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(Geneva, 1988)

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- This PDF includes Document No. 301-400
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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 301-E
20 September 1988
Original: French

COMMITTEE 6

France

PROPOSAL (AGENDA ITEM 5)

REVISION OF ARTICLE 1, No. 22 (FIXED-SATELLITE SERVICE)

F/301/1

MOD 22 Fixed-Satellite Service: a radiocommunication service between earth stations at specified fixed points given positions when one or more satellites are used; the given position may be a specified fixed point or any fixed point located in specified areas; in some cases ... services.

Reasons: A consequence of proposal F/117/1.

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 302-E
20 September 1988
Original: English

COMMITTEE 6

THIRD REPORT OF WORKING GROUP 6-A TO COMMITTEE 6

Working Group 6-A met on 14 and 16 September 1988 and discussed the two models of MPMs as presented already to Committee 6. The outcome of these discussions is as follows:

1. From discussion in the Working Group on the purpose of MPMs the Working Group has identified two models for focussing discussion. These models are by no means the only possibilities.

b1 a meeting of administrations which would be convened on request of an administration with the purpose of facilitating the coordination of new and proposed networks.

b2 a formal meeting structure, convened on a regular basis with the ability to make binding decisions.

Note - These models and the synthesis of the legal and financial considerations have already been presented to Committee 6 (Document 256).

LEGAL AND FINANCIAL CONCERNS

2.

b1	b2
a) this Conference is competent to make such changes and additions to the Radio Regulations as may be necessary to implement MPMs of this type;	a) this Conference is not competent to implement this type of MPM and the issue would need to be addressed to the next Plenipotentiary Conference;
b) decisions of such MPMs would have the status of coordination agreements;	b) decisions of this type of MPM would have the binding status of an international agreement;
c) administrations participating would fund the MPM. The services of the ITU would be on request and possibly on a contractual basis.	c) funding would be from the regular budget of the Union as determined by the Plenipotentiary Conference.

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PARTICIPATION

3.	b1	b2
	a) Who can participate in an MPM?	
	Those administrations who consider they are affected.	Participation is governed by the Convention (Article 61).
	b) What are the rights of non-participants?	
	The requirements of parties affected by the network under consideration but who cannot attend will need to be taken into account.	The existing practices for Conferences and meetings of the Union would apply.
	c) What is the role of the Union?	
	The support services of the Union would be on request and possibly on a contractual basis.	As determined by the Convention.
	d) How can multiadministration systems be address?	
	Where a multiadministration system is affected its representatives may participate in order to achieve coordination.	Multiadministration system participation shall be by the normal rules governing Conferences and meetings.
	e) What proxy arrangements are needed?	
	Proxy arrangements for affected administrations will be needed.	The provisions of the Convention shall apply (391).

VENUE

4.	a) Where would the meeting be held?	
	As determined by the participating administrations, with the Headquarters of the Union as one possibility.	Article 62 of the Convention would apply including consultation by the Secretary-General with the administration.

ORGANIZATION AND CONDUCT OF MEETINGS

5. a) How would a meeting be called?

When an administration identifies that it has a problem of obtaining access to the GSO, it may invite the other affected administrations to hold an MPM.

The Board's assistance can be sought in this regard.

Meetings would be part of the normal Conference programme as determined by the Plenipotentiary Conference.

b) Who would organize it?

The requesting administration in consultation with the other participants.

The Union in accordance with the Convention.

c) How would it be conducted?

As determined by the participating administrations.

Under the normal rules of procedure as provided for in the Convention.

d) How many MPMs would be called?

The number of MPM's needed would depend on the ability to reach coordination.

It is foreseen that, in view of the cost of such meetings, the number of MPMs should be held to the minimum necessary to resolve the questions.

The duration and frequency would be determined by the Plenipotentiary Conference.

6. Relationship to the Radio Regulations. Advice from the IFRB.

Working Group 6-A requested the Board's representative to indicate what would be the relationship between the Radio Regulations and the decisions of MPM. The Board's comments are given below in a summarized form:

1) in the case of MPM of b1 type, the results of the meeting should be notified to the Board and will be treated in accordance with Articles 11 and 13;

2) in the case of MPM of b2 type which is considered as a new ITU organ of the same nature as an administrative radio conference, the decisions of the meeting have to be included in an official document which may be a revision of the Radio Regulations, a special protocol or any other form. This would result in having in a given band two types of assignments:

- assignments that could be coordinated through the bilateral process and recorded in the Master Register following a finding by the Board;

- assignments coordinated by the MPM and included in a document adopted by a formal meeting of administrations.

This would lead to having in the same bands two different types of assignments with different status. If this situation is to be avoided, each MPM would have to establish a list of all networks which have been coordinated either through the normal process or through the MPM, thus giving the same status to all uses. This may be considered as a periodical planning of a band.

7. From discussion of the two models, the Working Group agreed that:

a) this Conference should adopt appropriate provisions to introduce MPMs as one of the methods for ensuring equitable access to the GSO;

b) such provisions should reflect the principles adopted at the First Session (3.3.5);

c) the provisions should also reflect as far as possible, the proposals and concerns of administrations and the discussions on the two models.

The Working Group agreed that the Chairman prepare a document to enable all aspects to be addressed, upon which the text for the provisions shall be based.

One Delegation raised the question of whether multiadministration systems included subregional systems.

The Secretary-General advised that this issue will be discussed elsewhere in the Conference. The IFRB indicated that in the application of the current regulations a multiadministration system is a system notified on behalf of a group of named administrations.

G.H. RAILTON
Chairman of Working Group 6-A

BLUE PAGES

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 303-E
20 September 1988

B.2

PLENARY MEETING

2nd SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following texts are submitted to the Plenary Meeting for first reading:

Source	Document	Title
COM.6	197(275) 249(275)	Article 1
	188(275)	Article 8
	197(275)	Article 27
	251(274)	Resolution COM6/1

P. ABOUDARHAM
Chairman of Committee 7

Annex: 4 pages

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ARTICLE 1

Terms and Definitions

Section IV. Radio Stations and Systems

MOD 109 Feeder Link: A radio link from an earth station at a given location to a space station, or vice versa, conveying information for a space radiocommunication service other than for the fixed-satellite service. The given location may be at a specified fixed point, or at any fixed point within specified areas.

Section VII. Frequency Sharing

ADD 168A 7.10 Effective Boresight Area (of a steerable satellite beam): An area on the surface of the Earth within which the boresight of a steerable satellite beam is intended to be pointed.

ADD 168B 7.11 Effective Antenna Gain Contour (of a steerable satellite beam): An envelope of antenna gain contours resulting from moving the boresight of a steerable satellite beam along the limits of the effective boresight area.

Section VIII. Technical Terms Relating to Space

MOD 169 Deep Space: Space at distances from the Earth equal to, or greater than, 2×10^6 kilometers.

ADD 183 8.15 Steerable Satellite Beam: A satellite antenna beam that can be repointed.

ARTICLE 8

Frequency Allocations

MOD 884 In the band 31 - 31.3 GHz the power flux-density limits specified in No. 2582 shall apply to the space research service.

ARTICLE 27

Terrestrial Radiocommunication Services Sharing Frequency Bands with Space Radiocommunication Services above 1 GHz

Section I. Choice of Sites and Frequencies

MOD 2502.1 [1] For their own protection receiving stations in the fixed or mobile service operating in bands shared with space radiocommunication services (space-to-Earth) should also avoid directing their antennas towards the geostationary-satellite orbit if their sensitivity is sufficiently high that interference from space station transmissions may be significant.

* For provisions governing the mobile services and the special services related to safety, see:

Special services related to safety:	Chapter IX
Aeronautical mobile service:	Chapter X
Maritime mobile service:	Chapter XI
Maritime mobile-satellite service:	Chapter XI
Land mobile service and land mobile-satellite service:	Chapter XII

BLUE PAGES

RESOLUTION COM6/1

Improvement of the Accuracy of the Master International Frequency Register, the International Frequency List, and List VIIIA

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that an accurate and updated Master International Frequency Register is essential for the application of all the relevant procedures in the Radio Regulations;

b) that there is a need to improve the accuracy and reliability of the Master International Frequency Register;

c) the importance to administrations of an accurate and up-to-date record in the Master International Frequency Register, the International Frequency List, and List VIIIA for the efficient use of the radio frequency spectrum and geostationary-satellite orbit;

d) that previous initiatives of the IFRB have shown that, with the cooperation of administrations, substantial improvements can be made in the accuracy and reliability of the Master International Frequency Register;

e) that the application of the periodical inquiry procedure in Article 13 by the IFRB has encountered difficulties;

recognizing

a) that only vigorous and cooperative world-wide action on this problem will lead to a solution;

b) that a procedure involving the mutual cooperation of all administrations and the IFRB is required for the purpose of revising parts of the Master International Frequency Register;

resolves

1. to urge administrations to observe the time limits prescribed in the Radio Regulations concerning modification, cancellation and review of entries in the Master International Frequency Register;

2. to urge administrations to cooperate fully with the IFRB in the application of the provisions of the Radio Regulations relating to the cancellation of assignments no longer in use and to the notification of suspended assignments to space and earth stations.

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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Original: English

Source: Documents DT/63, 264, 296, 285, DL/51

COMMITTEE 6

FIFTH REPORT BY THE CHAIRMAN OF WORKING GROUP 6-B TO COMMITTEE 6

1. This is the fifth report of Working Group 6-B to Committee 6. This report contains a consolidation of all of the texts adopted by the Working Group pertaining to Sections I and II of Article 11 and includes the material contained in the third and fourth reports.

2. The Delegation of France has reserved its position regarding the word value(s) in MOD 1067 pending decisions in the Technical Working Group of the Plenary.

3. The Working Group re-activated the Drafting Group under the chairmanship of Mr. Bates (United Kingdom) with revised terms of reference to consider the impact of the regulatory principles adopted in Working Group 6-B on the various provisions of Article 13.

4. A Drafting Group, chaired by Mr. Carew (Canada) with representatives from the United States, France and the IFRB was established by Sub-Working Group 6-B-1 to develop text for Sections I and II of Article 11 to accommodate the principle of simultaneous submission of the advanced information and the coordination information. As well, the Group was to consider, in the same context, appropriate provisions for the notification of non-geostationary satellite networks. This Group has now completed its work.

5. Due to the temporary absence of Mr. Sonesson, Chairman of Sub-Working Group 6-B-1, a Sub-Working Group (6-B-2), under the chairmanship of Mr. Bates (United Kingdom), was established to consider proposals to revise Article 13 taking into account the input received from the Drafting Group referred to in item 4 above.

6. The Working Group established an ad hoc Group, under the chairmanship of Mr. Withers (United Kingdom), to consider the joint proposal contained in Document 288 and any other proposals relevant to consideration of Article 14.

7. A proposal by Colombia to ADD 1060AA has been left in square brackets and is referred to Committee 6 for consideration. This proposal received some support when it was discussed in the Sub-Working Group but a number of delegations were opposed to it.

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8. The Working Group decided that Section III of Article 11 could be amended if the amendments are consequential in nature.

9. Working Group 6-B ad hoc 1 has held five meetings and set up a Drafting Group under the chairmanship of Mr. Garnons Williams (United Kingdom). Two DL documents have been prepared. One contains the new structure for Appendix 3 and the other contains the contents of Appendix 3. Coordination is being effected with the Technical Working Group of the Plenary.

A.V. CAREW
Chairman of Working Group 6-B

Annex: 1

ANNEX

ARTICLE 11

[NOC] **Coordination of Frequency Assignments to Stations in a Space Radiocommunication Service Except Stations in the Broadcasting-Satellite Service and to Appropriate Terrestrial Stations**[1] *

NOC **Section I. Procedures for the Advance Publication of Information on Planned Satellite Networks**[2]

NOC 1041 Publication of information

MOD 1042 § 1. (1) An administration (or one acting on behalf of a group of named administrations) which intends to bring into use a satellite network within a satellite system in a frequency band not listed in No. [ ] shall, prior to the coordination procedure in accordance with No. 1060 where applicable, send to the International Frequency Registration Board, not earlier than [five] [six] years[3] and preferably not later than two years before the date of bringing into service of each satellite network the information listed in Appendix [4].

MOD 1043 (2) Amendments to the information sent in accordance with No. 1042 shall also be sent to the Board as soon as they become available. Modifications which are of such a nature as to significantly change the character of the network may require recommencing the advance publication procedure.

NOC A.11.1 Orb-85 [1] For the coordination of frequency assignments to stations in the broadcasting-satellite service and other services in the frequency bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2) as well as the coordination of frequency assignments to feeder-link stations utilizing the fixed-satellite service (Earth-to-space) in the frequency band 17.3 - 17.8 GHz (in Region 2) and other services in these bands in Region 2, see also Article 15 and Article 15A respectively.

NOC A.11.2 [2] These procedures may be applicable to stations on board satellite launching vehicles.

ADD 1042.1 [1] See also MOD 1550.

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* The subject matter related to this item is presently under consideration in other Committees or Working Groups.

MOD 1044 (3) If the information is found to be incomplete, the Board shall immediately seek, from the administration concerned, any clarification and information not provided.

On receipt of the complete information sent under Nos. 1042 and 1043 the Board shall publish it in a special section of its weekly circular within 3 months and shall also, when the weekly circular contains such information, so advise all administrations by circular telegram. The circular telegram shall include the frequency bands to be used and, in the case of a geostationary satellite, the orbital location of the space station. When the Board is not in a position to comply with the time limit referred to above, it shall, periodically so inform the administrations giving the reasons therefore.

SUP 1045

NOC 1046 Comments on published information.

MOD 1047 § 2. If, after studying the information published under No. 1044, any administration is of the opinion that interference which may be unacceptable may be caused to assignments of its existing or planned satellite network it shall, within four months after the date of the weekly circular containing the complete information listed in Appendix [4], send its comments on the particulars of the interference to its existing or planned satellite systems to the administration concerned. A copy of these comments shall also be sent to the Board. If no such comments are received from an administration within the period mentioned above, it may be assumed that the administration has no basic objections to the planned satellite network(s) of that system on which details have been published.

ADD 1047A An administration sending information under RR 1042 and RR 1043 may request the assistance of the Board in determining, with the aid of Appendix 29, if its planned network could affect or be affected by other satellite networks for which complete Appendix [4] information has been received by the Board.

ADD 1047B An administration receiving information published under RR 1044 may request the assistance of the Board in identifying with the aid of Appendix 29, if its existing or planned networks for which complete Appendix [4] information has been sent to the Board could affect or be affected by the proposed network.

NOC 1048 Resolution of difficulties

MOD 1049 § 3. (1) An administration receiving comments sent in accordance with No. 1047 and administrations sending such comments shall endeavour to resolve any difficulties that may arise and shall provide any additional information that may be available.

NOC 1050 (2) In case of difficulties arising when any planned satellite network of a system is intended to use the geostationary-satellite orbit:

MOD 1051 a) the administration responsible for the planned network shall first explore all possible means of meeting its requirements, taking into account the characteristics of the geostationary-satellite networks of other systems, and without considering the possibility of adjustment to networks of other administrations. If no such means can be found, the administration concerned may then request other administrations, either bilaterally or multilaterally, to mutually help resolve these difficulties;

NOC 1052 b) an administration receiving a request under No. 1051 shall, in consultation with the requesting administration, explore all possible means of meeting the requirements of the requesting administration, for example, by relocating one or more of its own geostationary space stations involved, or by changing the emissions, frequency usage (including changes in frequency bands) or other technical or operational characteristics;

MOD 1053 c) if after following the procedure outlined in Nos. 1051 and 1052 there are unresolved difficulties, the administrations concerned shall together make every possible effort to resolve these difficulties by means of mutually acceptable adjustments, for example, to geostationary space station locations and to other characteristics of the networks involved in order to provide for the normal operation of both the planned and existing networks.

MOD 1054 (3) In their attempts to resolve the difficulties mentioned above administrations may seek the assistance of the Board which may consist of:

ADD 1054A a) evaluating the levels of interference;

ADD 1054B b) defining, with the agreement of the administrations concerned, the method and criteria to be used;

ADD 1054C c) making arrangements to facilitate discussions as mutually agreed by the administrations concerned.

ADD 1054D In seeking the assistance of the Board, the administration(s) concerned shall send the details of the comments which have given rise to the difficulties and make any suggestions that it may consider useful.

NOC 1055 Results of advance publication.

MOD 1056 § 4. An administration on behalf of which details of planned satellite networks have been published in accordance with the provisions of Nos. 1042 to 1044 shall, after the period of four months specified in No. 1047, inform the Board whether or not comments provided for in No. 1047 have been received and of the progress made in resolving any difficulties. Additional information on the progress made in resolving any remaining difficulties shall be sent to the Board at intervals not exceeding six months prior to the commencement of coordination or the

sending of the notices to the Board. The Board shall publish this information in the special section of its weekly circular specified in No. 1044 and shall also, when the weekly circular contains such information, so inform all administrations by circular telegram.

ADD 1056A When, upon expiry of a period corresponding to [five years augmented by the extension provided for in No. 1550] after the date of the publication of the special section referred to in No. 1044, the administration responsible for the network has not submitted the Appendix 3 information for coordination under No. 1060 or for notification under No. 1488, as appropriate, the information published under No. 1044 shall be cancelled subject to the agreement of the administration concerned.

NOC 1057 Commencement of Coordination or Notification Procedures

SUP 1058

ADD 1058A § 5 (1) When communicating to the Board the information referred to in No. 1042, an administration may, at the same time, or, at a later time, communicate;

ADD 1058B a) the information required for the network coordination of a frequency assignment to a station pertaining to a geostationary-satellite network in accordance with the provisions of No. 1074, including the copy of the request for coordination sent to any other administration; this information will be treated in accordance with the provisions of Section II of this Article; or

ADD 1058C b) the information required for notification of a frequency assignment to a station pertaining to a geostationary-satellite network for which coordination is not required; or

ADD 1058D c) the information required for notification of a frequency assignment to a station pertaining to a non-geostationary network.

ADD 1058E The coordination or notification information, as the case may be, shall be considered as having been received by the Board not earlier than six months after the date of receipt of the information referred to in No. 1042.

Section II. Coordination of Frequency Assignments to a Space Station on a Geostationary Satellite or an Earth Station Communicating with Such a Space Station in Relation to Stations of Other Geostationary-Satellite Networks *

NOC 1059 Requirement for Coordination

MOD 1060 § 6. (1) Before an administration (or one acting on behalf of one or more named administrations) notifies to the Board or brings into use any frequency assignment to a space station on a geostationary-satellite or to an earth station that is to communicate with a space station on a geostationary satellite, it shall, except in the cases described in Nos. 1066 to 1071, effect coordination of the assignment with any other administration whose assignment, for a space station on a geostationary satellite or for an earth station that communicates with a space station on a geostationary-satellite, might be affected.

ADD 1060A Coordination in accordance with No. 1060 may be effected for a satellite network using the information relating to the space station including its service area and the parameters of one or more typical earth stations which may be located in all or part of the space station service area.

MOD 1061 (2) Frequency assignments to be taken into account in the application of No. 1060 are those in the same frequency band as the planned assignment, pertaining to the same service or to another service to which the band is allocated with equal rights or a higher category of allocation (see Nos. 420-425), and which are:

MOD 1062 a) in conformity with No. 1503; and

NOC 1063 b) either recorded in the Master Register, or coordinated under the provisions of this Section; or

MOD 1064 c) included in the coordination procedure with effect from [the date of receipt by the Board, in accordance with No. 1074, of the relevant information as annotated in Appendix 3]; or

MOD 1065 d) already notified to the Board without any coordination in those cases where Nos. 1066 to 1071 apply.

NOC 1066 (3) No coordination under No. 1060 is required:

ADD 1066A aa) when an administration proposes to notify or bring into use, within the service area of the satellite network, a typical earth station or an earth station which would not cause or suffer interference of a level greater than the typical earth station;

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* The subject matter related to this item is presently under consideration in other Committees or Working Groups.

MOD 1067 a) when the use of a new frequency assignment will cause, to any service of another administration, an increase in the noise temperature of any space station receiver or earth station receiver, or an increase in the equivalent satellite link noise temperature, as appropriate, calculated in accordance with the method given in Appendix 29, which does not exceed the threshold value[s] defined therein;

NOC 1068 b) when the interference resulting from a modification to a frequency assignment which has previously been coordinated will not exceed that value agreed during coordination;

MOD 1069 c) when an administration proposes to notify or bring into use a new earth station which would not cause or suffer interference of a level greater than that which would be caused by an earth station pertaining to the same satellite network and whose characteristics have been published in accordance with No. 1078, or notified to the Board without coordination in those cases where coordination was not required;

NOC 1070 d) when, for a new frequency assignment to a receiving station, the notifying administration states that it accepts the interference resulting from the frequency assignments referred to in Nos. 1061 to 1065;

NOC 1071 e) between earth stations using frequency assignments in the same direction (either Earth-to-space or space-to-Earth).

NOC 1072 Coordination Data

MOD 1073 § 7. (1) For the purpose of effecting coordination, the administration requesting coordination shall send to any other administration concerned under No. 1060 all the information listed in Appendix [3] required for the coordination including the characteristic of one or more typical earth stations and the respective service areas. The request concerning coordination of a network may specify all or some of the frequency assignments expected to be used by the stations of the satellite network.

MOD 1074 (2) The administration requesting coordination shall at the same time send to the Board a copy of the request for coordination, with all the information listed in Appendix [3] required for coordination and the names(s) of the administration(s) with which coordination is sought. The Board shall immediately acknowledge the receipt of this information.

ADD 1074A (3) An administration believing that the provisions of Nos. 1066 to 1071 apply to its planned assignments may send to the Board the relevant information listed in Appendix [3], either under No. 1074 for publication or in accordance with Nos. 1488 to 1491.

MOD 1075 § 8 (1) On the receipt of the complete information referred to in No. 1074, the Board shall:

MOD 1076 a) immediately examine this information with respect to its conformity with No. 1503 and, as soon as possible, send a telegram to all administrations indicating the identity of the satellite network, its findings with respect to No. 1503 and the date of receipt[1] of the information; this date shall be considered as the date from which the assignment will be taken into account for coordination;

ADD 1076.1 See No. 1058E concerning the date to be considered as the date of receipt by the Board of the information relating to the coordination of a satellite network or a notification of a frequency assignment.

NOC 1077 b) examine the information received with a view to identifying those administrations whose services might be affected, in accordance with No. 1060, and inform the administrations concerned by telegram;

MOD 1078 c) publish in the special section of its weekly circular referred to in No. 1044 within three months the information received under No. 1074 and the result of the examination under Nos. 1076 and 1077, together with a reference to the weekly circular in which details of the satellite network were published in accordance with Section I of this Article. When the weekly circular contains such information, the Board shall so inform all administrations by circular telegram. When the Board is not in a position to comply with the time limit referred to above, it shall, periodically, so inform the administrations giving the reasons therefor.

ADD 1078A (2) If the information is found to be incomplete, the Board shall immediately seek, from the administration concerned, any clarification and information not provided.

NOC 1079 Requests for Inclusion in the Coordination Procedure

NOC 1080 § 9 An administration believing that it should have been included in the coordination procedure under No. 1060 shall have the right to request that it be brought into the coordination procedure. Such a request shall be sent to the administration initiating the coordination procedure, with a copy to the Board, as soon as possible.

NOC 1081 Acknowledgement of Receipt of Coordination Data

NOC 1082 § 10 An administration which coordination is sought under No. 1060 shall acknowledge receipt of the coordination data immediately by telegram. If no acknowledgement is received within thirty days after the date of the weekly circular publishing the information under No. 1078, the administration seeking coordination shall dispatch a telegram requesting acknowledgement, to which the receiving administration shall reply within a further period of fifteen days.

NOC 1083 Examination of Coordination Data and Agreement Between Administrations

MOD 1084 § 11. (1) On receipt of the coordination data, an administration shall promptly examine the matter with regard to interference[1] which would be caused to the frequency assignments of its network in respect of which coordination is sought under No. 1060 or caused by these assignments. In so doing, it shall have regard to the proposed date of bringing into use of the assignment for which coordination was requested. It shall then, within four months from the date of the relevant weekly circular, notify the administration requesting coordination of its agreement. If, however, the administration with which coordination is sought does not agree, it shall, within the same period, send to the administration seeking coordination the technical details upon which its disagreement is based, including those relevant characteristics contained in Appendix [3] which have not previously been notified to the Board, and make such suggestions as it is able to offer with a view to a satisfactory solution of the problem. A copy of these comments shall also be sent to the Board.

MOD 1084.1 [1]In the absence of specific provisions relating to the evaluation of the interference, the calculation methods and the criteria should be based on relevant CCIR Recommendations agreed by the administrations concerned either as a result of Resolution 703 or otherwise. In the event of disagreement on a CCIR Recommendation or in the absence of such Recommendations, the methods and criteria shall be agreed between the administrations concerned. Such agreements shall be concluded without prejudice to other administrations.

NOC 1085 (2) Either the administration seeking coordination or an administration with which coordination is sought may request additional information which it may require to assess the interference to assignments of the network concerned.

ADD 1085A (3) Affected administrations as well as the administration seeking coordination shall make all possible mutual efforts to overcome these difficulties such as by means of changes acceptable to the parties concerned.

ADD 1085B All administrations may use correspondence, any appropriate means of telecommunication, or bilateral or multilateral meetings as necessary to effect coordination with any other administration. The results thereof shall be communicated to the Board in accordance with No. 1087.

NOC 1086 Results of Coordination

MOD 1087 § 12. (1) An administration which has initiated a coordination procedure under the provisions of Nos. 1060 to 1074 shall communicate to the Board, on expiry of the period of four months following the date of the relevant weekly circular mentioned in No. 1078, the names of the administrations with which an agreement has been reached. It shall also inform the Board of the progress made in effecting coordination with the other administrations or of any difficulties. Such a communication shall be made to the Board every six months after the above-mentioned period. The Board shall publish this information in the special section of its weekly circular referred to in No. 1044.

ADD 1087A (2) An administration which initiated the coordination as well as any administration with which coordination is sought shall communicate to the Board any modification to their respective networks that was required to reach agreement on the proposed network. The Board shall publish this information in accordance with No. 1078 indicating that these modifications resulted from the joint effort of the administrations concerned to reach agreement on coordination and for this reason they should be given special consideration.

NOC 1088 Requests to the IFRB for Assistance in Effecting Coordination

NOC 1089 § 13 (1) An administration seeking coordination may request the Board to endeavour to effect coordination in those cases where:

NOC 1090 a) an administration with which coordination is sought under No. 1060 fails to acknowledge receipt, under No. 1082, within forty-five days after the date of the weekly circular publishing the information relating to the request for coordination;

NOC 1091 b) an administration has acknowledged receipt under No. 1082, but fails to give a decision within four months from the date of the relevant weekly circular;

ADD 1091A b)bis a bilateral or multilateral meeting is required to achieve coordination and the administration concerned experiences difficulties in making arrangements for it.

NOC 1092 c) there is disagreement between the administration seeking coordination and an administration with which coordination is sought as to the acceptable interference; or

MOD 1093 d) coordination is not possible for any other reason.

MOD 1094 (2) In so doing, the administration shall provide the necessary information to enable the Board to endeavour to effect such coordination.

NOC 1095 Action to be taken by the IFRB

NOC 1096 § 14 (1) Where the Board receives a request under No. 1090, it shall forthwith send a telegram to the administration concerned requesting immediate acknowledgement.

NOC 1097 (2) Where the Board receives an acknowledgement following its action under No. 1096, or where the Board receives a request under No. 1091, it shall forthwith send a telegram to the administration concerned requesting an early decision in the matter.

NOC 1098 (3) Where the Board receives a request under No. 1093, it shall endeavour to effect coordination in accordance with the provisions of No. 1060. The Board shall also act in accordance with Nos. 1075 to 1078. Where the Board receives no acknowledgement to its request for coordination within the periods specified in No. 1082 it shall act in accordance with No. 1096.

ADD 1098A (3bis) Where the Board receives a request under No. 1091A, it shall take appropriate steps to facilitate the holding of such meetings when all parties concerned agree to it and shall also provide requested assistance that may help in achieving coordination.

NOC 1099 (4) Where necessary, as part of the procedure under Nos. 1089 to 1094, the Board shall assess the interference. In any case, the Board shall inform the administrations concerned of the results obtained.

MOD 1100 (5) The Board may request additional information which it may require to assess the interference to assignments of the network concerned.

MOD 1101 (6) Where an administration fails to reply within thirty days of dispatch of the Board's telegram requesting acknowledgement sent under No. 1096, or fails to give a decision in the matter within thirty days of dispatch of the Board's telegram of request under No. 1097, or fails to reply to the Board's requests made in application of No. 1098A it shall be deemed that the administration with which coordination was sought has undertaken:

MOD 1102 a) that no complaint will be made in respect of any harmful interference affecting the services rendered by its space radiocommunication stations which may be caused by the use of the assignment to a station of the satellite network for which coordination was requested.

MOD 1103 b) that its space radiocommunication stations will not cause harmful interference to the assignment by a station of the satellite network for which coordination was requested.

SUP 1104

SUP 1105

ADD 1060AA Any frequency assignment or satellite network for a space station installed on board a geostationary-satellite without such coordination being effected may not be recorded by the Board in the Master Register.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 305-E
24 September 1988
Original: English

COMMITTEE 6

On page 1, paragraph 4.1

1. In third line after "... representative of the IFRB clarified that" insert "in accordance with the footnote of Resolution 4".

2. In the fourth and fifth lines delete the words "... the same frequency band(s), and the operational" and insert the words "... there is no change in the assigned frequency ...".

J.F. BROERE
Chairman of Committee 6

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 305-E
20 September 1988
Original: English

COMMITTEE 6

FIFTH REPORT OF WORKING GROUP 6-C TO COMMITTEE 6

1. Working Group 6-C held its fifth and sixth meetings on 16 and 20 September 1988 respectively. During these meetings, consideration continued on the tasks assigned to the Working Group with the following results.

2. Existing Resolutions and Recommendations (Document DT/46)

2.1 A review was made of those existing Resolutions and Recommendations attributed to the Working Group by Document DT/51. Decisions were made concerning Resolutions 6, 15, 100, 205(Rev.Mob-87), and 208(Mob-87), and Recommendations 2, 67, and 100. These are submitted to Committee 6 for consideration, as shown in points 1-8 in the annex.

2.2 A decision was also made to refer Resolution 34 to Committee 5 because it is of direct relevance to their work. The text forwarding that Resolution is contained in Document 289.

3. Status of Working Group 6-C ad hoc 3

3.1 Extensive discussions took place in the Working Group concerning a draft Recommendation developed by the ad hoc Group in international space monitoring, see Document 267 (Source: Document DT/40). Extensive dialogue also took place in the ad hoc Group extending over two sessions.

3.2 The Working Group agreed on specific guidance to the ad hoc, at its meeting on 20 September 1988. It is anticipated that the ad hoc Group will develop a revised Recommendation for consideration at the next meeting of the Working Group.

4. Definitions (Document DT/20)

4.1 The proposals by India to add a new definition for satellite network was discussed, (see IND/141/28 and 37). In response to a specific inquiry, the representative of the IFRB clarified that no new coordination would be required for a co-located satellite for a given frequency assignment, as long as the same frequency band(s), and the operational and technical characteristics were not changed. In view of this clarification, no further action is necessary.

4.2 The need for a consequential amendment to RR 22, definition of FSS, as mentioned by Committee 6 at its fifth meeting, was discussed by the Working Group. The need for a definition for transportable earth station arose during the debate. Consideration of these matters was deferred pending a new proposal that was just recently submitted by France. It was also noted that the Chairman would investigate possible language concerning definition of transportable earth station.

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4.3 The new definitions proposed by the United States in Document 283, concerning modified definitions for mobile-earth station and ship-earth station were discussed. While there was agreement in the Working Group of the existence of problems concerning these definitions, no immediate solution could be found. The Chairman agreed to develop specific possible solutions for consideration at the next meeting of the Working Group.

5. Article 8 changes (Document DT/17)

5.1 Several proposals were continued in a deferred status because of actions underway in other Committees. These included:

5.1.1 IND/141/38 and 39 - awaiting Committee 5;

5.1.2 CAN/60/5 - awaiting Working Group 6-B;

5.1.3 CAN/60/6 and J/53/21 - awaiting Committee 4; and

5.1.4 J/54/47 and USA/56/9-11 - awaiting Committee 5, and Working Group 6-B.

5.2 As regards the modifications to RR 858 as submitted by Malta (Document 217), and Turkey (Document 257), attention was drawn to the advice received from Committee 5 in Document 268. While the proposal to delete "and for Malta" was adopted, the proposal of Turkey to add their name to this footnote could not be decided. This proposal would exclude Turkey from use of the band 14 - 14.5 GHz for BSS feeder links permitting them to make other uses of the band, as appropriate. Further consideration of this matter was deferred until consultations among administrations and the IFRB could be held.

L.M. PALMER
Chairman of Working Group 6-C

Annex: 1

ANNEX

1) NOC Resolution 6

2) NOC Resolution 15

3) SUP Resolution 100

4) NOC Resolution 205(Rev.Mob-87)

5) NOC Resolution 208(Mob-87)

6) SUP Recommendation 2

7) NOC Recommendation 67

8) NOC Recommendation 700

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 306-E
20 September 1988
Original: English

COMMITTEE 4

Note by the Secretary-General

IFRB REPORT

RESULTS FOR THE SECOND DRAFT PLAN

At the request of the Chairman of Sub-Working Group 4-B-1, I have the honour to transmit to the Conference a copy of the results for the second draft Plan.

R.E. BUTLER
Secretary-General

Attachment

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IFRB REPORT

SECOND DRAFT PLAN

At the request of the Chairman of Sub-Working Group 4-B-1, the IFRB prepared the second draft Plan. This second draft Plan is identified as Plan 7-1-1-4 to indicate:

a) the updated requirements (Document 230(Rev.3)), (7)

b) no predetermined arc, (1)

c) multi-band plan, (1)

d) new technical parameters, including a satellite antenna pointing accuracy of 0.1 degrees. (4)

- Annex 1 Report 7-1-1-4 (6/4 GHz) sorted by orbital position
- Annex 2 Report 7-1-1-4 (6/4 GHz) sorted by beam name
- Annex 3 Report 7-1-1-4 (14/11-12 GHz) sorted by orbital position
- Annex 4 Report 7-1-1-4 (14/11-12 GHz) sorted by beam name
- Annex 5 Histogram showing the results for the two sets of bands
- Annex 6 Curves showing the minimum elevation angles resulting from this draft Plan
- Annex 7 A plot showing the distribution of the allotments on the geostationary orbit.

ANNEXES 1, 2, 3, AND 4

COLUMN	DESCRIPTION
1.	Beam Name
2.	Orbital Position (decimal degrees)
3.	Ellipse Boresight Longitude (decimal degrees)
4.	Ellipse Boresight Latitude (decimal degrees)
5.	Ellipse Major Axis (degrees)
6.	Ellipse Minor Axis (degrees)
7.	Major Axis Orientation (degrees counter-clockwise from Equator)
8.	Up-link e.i.r.p. (dBW/MHz)
9.	Down-link e.i.r.p. (dBW/MHz)
10.	Up-link Frequency (GHz)
11.	Down-link Frequency (GHz)
12.	Worst Aggregate C/I
13.	Western Limit of Service Arc
14.	Eastern Limit of Service Arc
15.	Minimum Elevation Angle

ANNEXE 1 - ANNEX 1 - ANEXO 1

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALS00000	-164.10	-159.54	57.48	6.21	1.60	179.75	54.17	21.27	6.88	4.65	50.46	-169.80	-158.20	9.75
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	65.94	23.24	6.88	4.65	54.39	-169.80	-158.20	16.15
GUMMRA00	-164.10	-213.93	16.62	1.70	1.60	78.93	52.50	21.52	6.88	4.65	49.58	-169.80	-158.20	26.41
HWA00000	-164.10	-157.61	20.74	1.60	1.60	90.00	52.50	19.81	6.88	4.65	69.61	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	1.60	1.60	90.00	52.50	18.11	6.88	4.65	60.43	-169.80	-158.20	75.33
JAR00000	-164.10	-160.00	-0.38	1.60	1.60	90.00	52.50	18.08	6.88	4.65	59.27	-169.80	-158.20	85.15
JON00000	-164.10	-168.50	17.00	1.60	1.60	90.00	52.50	17.78	6.88	4.65	70.02	-169.80	-158.20	69.41
MDW00000	-164.10	-177.42	28.22	1.60	1.60	90.00	52.50	17.96	6.88	4.65	65.95	-169.80	-158.20	53.92
MRL00000	-164.10	-184.75	8.75	2.35	1.60	96.04	53.21	21.11	6.88	4.65	58.32	-169.80	-158.20	57.90
PLM00000	-164.10	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	67.23	-169.80	-158.20	81.18
SMA00000	-164.10	-170.70	-14.22	1.60	1.60	90.00	52.50	17.77	6.88	4.65	48.93	-169.80	-158.20	71.62
WAK00000	-164.10	-193.50	19.20	1.60	1.60	90.00	52.50	18.02	6.88	4.65	59.99	-169.80	-158.20	49.76
BLZ00000	-134.00	-88.63	17.24	1.60	1.60	90.00	52.50	19.04	6.88	4.65	40.64	-138.40	-38.70	34.44
TON0IFRB	-133.60	-175.17	-21.17	1.60	1.60	90.00	52.50	18.80	6.88	4.65	42.15	-175.00	-126.00	37.34
CTR00000	-125.40	-86.06	8.25	1.60	1.60	90.00	52.50	20.04	6.88	4.65	38.51	-125.40	-44.00	40.01
SMO00000	-124.90	-172.11	-13.73	1.60	1.60	90.00	52.50	18.96	6.88	4.65	42.63	-175.00	-121.70	33.38
HND00000	-117.80	-86.19	15.41	1.60	1.60	90.00	52.50	19.78	6.88	4.65	33.92	-123.80	-48.10	45.98
GDL00002	-116.90	-61.76	16.40	1.60	1.60	90.00	52.50	19.71	6.88	4.65	34.27	-123.20	-81.20	24.65
GUF00002	-116.90	-53.29	4.30	1.60	1.60	90.00	53.50	20.67	6.88	4.65	39.46	-123.20	-81.20	16.59
OCE00000	-116.90	-141.90	-16.04	3.55	2.39	139.60	55.04	21.05	6.88	4.65	44.74	-123.20	-81.20	45.85
CAN0WEST	-116.30	-120.18	57.41	3.08	1.83	171.68	52.50	21.30	6.88	4.65	37.72	-119.00	-113.70	10.13
PRU00000	-110.20	-74.63	-8.39	3.44	1.94	97.20	56.40	21.63	6.88	4.65	39.89	-120.40	-38.20	40.17
VCT0IFRB	-108.60	-61.10	13.17	1.60	1.60	90.00	52.50	18.92	6.88	4.65	31.96	-112.30	-9.90	33.93
NCG0IFRB	-104.10	-84.88	12.94	1.60	1.60	90.00	52.50	19.42	6.88	4.65	34.42	-124.40	-45.90	60.25
VEN00001	-102.50	-66.57	6.90	2.55	1.73	124.14	55.34	21.56	6.88	4.65	33.80	-102.50	-24.70	40.07
VEN00002	-102.50	-63.62	15.67	1.60	1.60	90.00	52.50	18.66	6.88	4.65	33.51	-102.50	-24.70	42.11
CAN0CENT	-101.50	-95.03	51.31	4.07	2.31	161.21	54.71	21.55	6.88	4.65	39.46	-115.10	-101.00	10.03
CUB00000	-96.80	-79.66	21.02	1.91	1.60	169.21	52.50	20.85	6.88	4.65	35.72	-123.50	-36.10	54.92
BRB0IFRB	-95.80	-59.60	13.17	1.60	1.60	90.00	52.50	18.57	6.88	4.65	31.76	-110.80	-8.40	45.73
BOL00000	-95.10	-65.09	-17.07	2.38	2.00	91.33	55.27	21.45	6.88	4.65	33.85	-97.30	-23.20	42.11
EQA00000	-93.40	-82.85	-1.37	3.33	1.60	173.06	54.39	21.02	6.88	4.65	35.65	-122.10	-39.20	68.64
GTM00000	-92.40	-90.40	15.76	1.60	1.60	90.00	52.50	18.84	6.88	4.65	33.55	-139.30	-41.40	68.93
SCN0IFRB	-90.10	-62.90	17.33	1.60	1.60	90.00	52.50	18.41	6.88	4.65	33.14	-113.20	-12.60	52.87
TRD00000	-86.90	-61.05	10.80	1.60	1.60	90.00	52.50	18.36	6.88	4.65	32.18	-112.30	-9.90	56.97
MEX00000	-85.70	-102.29	23.15	5.21	2.57	164.46	57.43	21.33	6.88	4.65	35.55	-136.10	-61.00	40.34
CHL00000	-84.10	-84.47	-32.69	7.71	6.46	169.06	61.48	21.64	6.88	4.65	38.00	-96.40	-53.60	11.21
CAN0EAST	-81.40	-73.06	50.25	4.63	2.41	168.36	55.46	21.48	6.88	4.65	40.25	-108.00	-54.90	13.09
CPV0IFRB	-79.20	-24.10	16.00	1.60	1.60	90.00	52.50	18.53	6.88	4.65	34.33	-94.70	46.50	25.53
URG00000	-78.60	-56.34	-33.56	1.60	1.60	90.00	52.50	19.24	6.88	4.65	32.48	-108.90	-3.50	42.29
B 00002	-77.00	-46.18	-6.29	4.19	3.73	112.55	60.18	21.66	6.88	4.65	34.83	-84.70	-13.50	38.48
JMC00000	-76.00	-77.59	18.18	1.60	1.60	90.00	52.50	18.20	6.88	4.65	35.61	-127.50	-27.80	68.19
MTN0IFRB	-72.60	-10.75	20.45	2.19	1.60	109.60	52.50	21.47	6.88	4.65	36.08	-72.80	44.20	11.23
B 00001	-71.00	-62.74	-5.90	4.12	3.99	43.79	59.64	21.37	6.88	4.65	34.95	-97.00	-31.20	64.88
HTI0IFRB	-68.90	-73.00	18.83	1.60	1.60	90.00	52.50	18.19	6.88	4.65	31.82	-122.90	-23.10	67.42
USA00000	-65.00	-88.00	36.49	6.68	3.57	10.05	60.48	21.91	6.88	4.65	39.73	-130.30	-63.50	11.00
USAVIPRT	-65.00	-64.50	17.75	1.60	1.60	90.00	52.50	18.17	6.88	4.65	33.16	-130.30	-63.50	69.16
ABW00000	-61.60	-69.04	12.41	1.60	1.60	90.00	52.50	18.34	6.88	4.65	32.93	-119.40	-18.90	71.92
MLI0IFRB	-59.90	-5.41	17.70	2.47	1.60	106.04	53.55	21.73	6.88	4.65	35.25	-59.90	43.30	16.50
PTC00000	-59.50	-130.10	-25.07	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.71	-62.60	-58.50	8.92
DMA0IFRB	-57.90	-61.30	15.33	1.60	1.60	90.00	52.50	18.14	6.88	4.65	31.77	-112.10	-10.50	71.57
CNR00000	-56.30	-15.95	28.56	1.60	1.60	90.00	52.50	18.61	6.88	4.65	36.64	-61.10	50.70	32.40
E 00002	-56.30	-4.52	40.38	1.60	1.60	90.00	52.50	20.99	6.88	4.65	33.83	-61.10	50.70	13.50

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ATG0IFRB	-53.40	-61.80	17.00	1.60	1.60	90.00	52.50	18.18	6.88	4.65	32.13	-112.20	-11.40	67.82
PNR0IFRB	-52.60	-80.15	8.62	1.60	1.60	90.00	52.50	19.58	6.88	4.65	34.60	-120.00	-40.40	53.26
BFA00000	-52.20	-1.93	12.20	1.60	1.60	90.00	52.50	19.95	6.88	4.65	35.06	-54.60	46.20	26.97
BEL00000	-51.20	4.11	50.31	1.60	1.60	90.00	52.50	19.03	6.88	4.65	31.56	-53.60	62.00	11.43
BAH0IFRB	-50.60	-75.58	24.08	1.60	1.60	90.00	52.50	20.20	6.88	4.65	33.67	-121.10	-32.20	45.27
ARG00000	-49.10	-61.87	-33.96	4.66	2.88	97.05	59.58	21.91	6.88	4.65	39.31	-58.40	-23.40	25.08
ARGINSUL	-49.10	-59.69	-57.61	3.72	1.60	153.26	52.50	21.47	6.88	4.65	42.89	-58.40	-23.40	7.96
SLV0IFRB	-48.30	-89.00	13.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	35.04	-130.50	-47.50	40.89
AND00000	-46.60	1.53	42.52	1.60	1.60	90.00	52.50	18.72	6.88	4.65	31.47	-48.60	51.70	21.38
GUY00000	-46.00	-59.14	4.73	1.60	1.60	90.00	52.50	20.25	6.88	4.65	36.09	-100.10	-18.30	70.82
DOM0IFRB	-45.20	-70.40	18.67	1.60	1.60	90.00	52.50	18.40	6.88	4.65	32.82	-120.30	-20.50	53.90
BOT00000	-41.40	25.01	-21.75	1.60	1.60	90.00	52.50	20.69	6.88	4.65	36.77	-41.70	89.90	10.35
MCO00000	-40.80	7.40	43.67	1.60	1.60	90.00	52.50	18.99	6.88	4.65	31.58	-41.80	56.60	20.70
GHA00000	-40.30	-1.58	7.99	1.60	1.60	90.00	52.50	20.43	6.88	4.65	34.38	-41.70	39.30	41.65
CLM00000	-39.90	-73.50	5.46	3.59	1.91	106.08	57.45	21.71	6.88	4.65	34.70	-110.10	-39.90	40.03
B 00003	-38.60	-49.16	-20.97	3.97	3.44	91.92	59.03	21.53	6.88	4.65	36.03	-88.80	-15.20	47.65
DNK00002	-35.90	10.91	55.73	1.60	1.60	90.00	52.50	19.31	6.88	4.65	32.52	-40.80	-30.20	12.46
DNK00FAR	-35.90	-7.18	61.74	1.60	1.60	90.00	52.50	18.79	6.88	4.65	39.04	-40.80	-30.20	15.41
GRL00000	-35.90	-39.54	67.59	2.13	1.60	0.94	52.50	21.30	6.88	4.65	46.91	-40.80	-30.20	1.75
NMB0IFRB	-33.00	17.66	-21.03	2.63	1.60	67.81	52.50	21.09	6.88	4.65	32.72	-45.40	82.50	22.29
GMB00000	-32.70	-16.40	13.40	1.60	1.60	90.00	52.50	17.93	6.88	4.65	32.42	-77.30	44.50	65.41
SDN00001	-31.90	28.32	10.25	2.44	1.60	108.12	53.66	21.87	6.88	4.65	35.07	-31.90	92.90	13.58
SDN00002	-31.90	28.14	16.44	2.39	1.60	105.63	52.50	20.87	6.88	4.65	36.86	-31.90	92.90	10.05
SUI00000	-31.20	7.94	46.49	1.60	1.60	90.00	52.50	18.82	6.88	4.65	30.31	-35.90	52.70	22.71
GNE0IFRB	-29.70	10.50	1.67	1.60	1.60	90.00	52.50	19.01	6.88	4.65	33.37	-32.80	53.80	43.48
SUR0IFRB	-29.30	-55.50	3.87	1.60	1.60	90.00	52.50	19.38	6.88	4.65	36.13	-97.00	-15.00	56.09
ASCSTHTC	-27.70	-11.38	-19.48	5.63	1.94	81.18	54.32	20.92	6.88	4.65	43.35	-38.50	-27.10	43.94
BERCAYMS	-27.70	-68.27	22.55	3.62	1.99	48.51	56.62	21.98	6.88	4.65	36.42	-38.50	-27.10	26.31
FLKSTGGL	-27.70	-45.43	-59.62	3.84	1.60	165.75	52.50	21.31	6.88	4.65	38.83	-38.50	-27.10	5.13
G 00000	-27.70	-3.65	54.10	1.60	1.60	90.00	52.50	20.80	6.88	4.65	31.00	-38.50	-27.10	17.50
PRG00000	-26.70	-58.46	-23.22	1.83	1.60	133.47	53.22	21.39	6.88	4.65	35.88	-90.40	-23.20	41.95
SMR00000	-24.90	12.46	43.93	1.60	1.60	90.00	52.50	18.62	6.88	4.65	31.80	-36.40	61.40	27.12
NGR0IFRB	-23.70	7.85	17.25	2.38	2.11	17.56	52.50	20.75	6.88	4.65	33.48	-54.50	64.60	40.00
COG0IFRB	-22.60	14.76	-0.53	1.91	1.60	66.39	53.43	21.34	6.88	4.65	33.83	-24.70	56.50	42.35
GRD0IFRB	-22.20	-61.60	12.00	1.60	1.60	90.00	52.50	18.65	6.88	4.65	33.88	-113.00	-10.20	42.73
DNK00001	-21.40	10.93	55.91	1.60	1.60	90.00	52.50	19.35	6.88	4.65	29.98	-40.80	62.20	18.68
CYP00000	-19.90	33.20	35.10	1.60	1.60	90.00	52.50	18.81	6.88	4.65	33.47	-21.50	87.90	21.33
MRC00000	-19.30	-8.69	29.20	3.73	1.60	45.08	52.50	20.62	6.88	4.65	32.37	-56.80	48.50	45.34
SRL0IFRB	-18.50	-11.90	8.50	1.60	1.60	90.00	52.50	18.10	6.88	4.65	35.80	-63.80	40.00	77.36
AUT00000	-15.80	13.60	47.64	1.60	1.60	90.00	52.50	19.16	6.88	4.65	30.14	-27.90	55.40	26.37
LBN00000	-13.00	35.80	33.83	1.60	1.60	90.00	52.50	18.54	6.88	4.65	32.57	-31.60	103.20	25.32
RRW00000	-12.20	29.74	-1.89	1.60	1.60	90.00	52.50	18.40	6.88	4.65	39.29	-30.90	90.80	40.24
ALB00000	-11.70	19.98	41.11	1.60	1.60	90.00	52.50	18.84	6.88	4.65	31.59	-29.90	69.80	31.36
ATN00000	-10.70	-65.66	15.08	1.60	1.60	90.00	52.50	20.92	6.88	4.65	36.65	-50.10	1.90	22.84
HOL00000	-10.70	5.35	52.30	1.60	1.60	90.00	52.50	18.60	6.88	4.65	30.97	-50.10	1.90	26.30
SEN00000	-9.90	-14.13	13.72	1.60	1.60	90.00	52.50	19.50	6.88	4.65	33.21	-64.40	34.30	69.81
ISL00000	-9.20	-18.82	65.60	1.60	1.60	90.00	52.50	19.16	6.88	4.65	38.06	-53.00	14.80	14.76
EGY00000	-6.90	29.17	26.28	2.42	1.60	131.90	52.50	20.76	6.88	4.65	33.31	-33.70	93.30	32.77
POL00000	-5.90	18.39	51.18	1.60	1.60	90.00	52.50	20.13	6.88	4.65	30.68	-14.80	56.40	22.64
GUI0IFRB	-3.90	-11.02	10.22	1.60	1.60	90.00	52.50	20.64	6.88	4.65	32.42	-51.80	33.80	71.39
TGO00000	-2.10	0.85	8.57	1.60	1.60	90.00	52.50	19.39	6.88	4.65	33.48	-41.00	43.40	76.65
F 00000	-1.30	3.03	45.90	2.13	1.60	167.59	52.50	20.95	6.88	4.65	31.12	-13.90	5.70	31.52

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
GDL00000	-1.30	-61.97	16.31	1.60	1.60	90.00	52.50	19.90	6.88	4.65	37.84	-13.90	5.70	18.47
GUF00000	-1.30	-53.17	4.30	1.60	1.60	90.00	52.50	19.84	6.88	4.65	42.90	-13.90	5.70	29.53
MYT00000	-1.30	45.21	-12.83	1.60	1.60	90.00	52.50	18.87	6.88	4.65	40.43	-13.90	5.70	35.01
REU00000	-1.30	55.57	-21.12	1.60	1.60	90.00	52.50	19.37	6.88	4.65	43.25	-13.90	5.70	22.14
SPM00000	-1.30	-56.40	46.96	1.60	1.60	90.00	52.50	19.02	6.88	4.65	44.03	-13.90	5.70	14.52
CAF00000	-0.40	21.28	6.41	2.42	1.71	14.07	53.40	21.08	6.88	4.65	36.50	-24.80	57.60	56.97
TUR00000	0.30	34.06	38.79	2.48	1.60	165.64	52.50	21.25	6.88	4.65	32.23	-7.30	77.10	25.46
ZWE00000	2.90	29.72	-18.89	1.60	1.60	90.00	52.50	19.91	6.88	4.65	38.89	-27.00	85.50	48.30
LBR00000	3.40	-9.10	6.36	1.60	1.60	90.00	52.50	19.22	6.88	4.65	35.14	-50.40	35.50	70.79
YUG00000	4.70	17.98	43.99	1.60	1.60	90.00	52.50	20.38	6.88	4.65	30.74	-25.80	60.20	34.62
SOM0IFRB	7.90	44.75	6.33	3.16	1.60	76.30	52.50	20.71	6.88	4.65	39.71	-20.00	102.70	38.82
NOR00000	8.40	11.93	63.85	2.10	1.60	15.95	52.50	21.35	6.88	4.65	32.07	-2.90	29.10	3.21
BEN00000	8.90	2.34	9.29	1.60	1.60	90.00	52.50	19.77	6.88	4.65	37.21	-40.20	44.70	73.86
ISR00000	10.20	34.97	31.32	1.60	1.60	90.00	52.50	18.71	6.88	4.65	36.86	-20.40	90.80	42.97
CVA00000	11.20	12.50	41.88	1.60	1.60	90.00	52.50	18.28	6.88	4.65	30.82	-38.10	63.10	41.62
GNB0IFRB	11.80	-15.40	12.00	1.60	1.60	90.00	52.50	18.05	6.88	4.65	39.94	-76.50	45.70	55.55
IRL00000	13.10	-8.24	53.17	1.60	1.60	90.00	52.50	19.02	6.88	4.65	35.20	-41.00	25.70	24.24
KWT00000	15.20	47.88	29.22	1.60	1.60	90.00	52.50	18.30	6.88	4.65	39.44	-20.20	115.30	40.24
TCH00000	15.90	17.41	29.65	1.60	1.60	90.00	52.50	19.95	6.88	4.65	29.72	-21.30	54.40	31.53
LBY00000	17.80	18.94	26.00	3.26	2.53	156.24	53.27	20.75	6.88	4.65	32.19	-31.20	67.20	50.96
ZAI0IFRB	19.70	23.53	-4.55	4.25	3.86	12.30	59.42	21.19	6.88	4.65	36.22	-23.60	62.60	70.27
AZR00000	20.40	-28.25	38.58	1.60	1.60	90.00	52.50	18.92	6.88	4.65	39.89	-57.40	21.10	20.56
MDR00000	20.40	-16.14	31.55	1.60	1.60	90.00	52.50	18.61	6.88	4.65	38.21	-57.40	21.10	34.91
POR00000	20.40	-7.95	39.50	1.60	1.60	90.00	52.50	19.13	6.88	4.65	35.38	-57.40	21.10	33.26
D 00000	22.00	9.76	50.64	1.60	1.60	90.00	52.50	19.38	6.88	4.65	30.35	-30.40	53.10	26.08
FNL00000	25.30	25.08	61.61	1.60	1.60	90.00	52.50	19.73	6.88	4.65	31.01	7.10	46.80	11.38
CME00000	26.30	13.00	6.29	2.50	1.82	82.38	53.74	21.01	6.88	4.65	34.34	-27.30	51.20	68.00
GRC00000	27.10	24.78	38.24	1.62	1.60	166.04	52.50	20.73	6.88	4.65	30.37	-24.40	71.40	41.78
DDR00000	29.60	12.89	51.67	1.60	1.60	90.00	52.50	19.05	6.88	4.65	29.02	-26.80	51.70	26.03
CTI00000	30.20	-5.84	7.77	1.60	1.60	90.00	52.50	20.22	6.88	4.65	34.41	-46.50	35.60	44.71
ALG00000	32.00	3.66	27.90	3.46	2.40	40.05	53.79	21.04	6.88	4.65	32.95	-45.30	52.00	34.81
HNG00000	35.00	19.55	47.22	1.60	1.60	90.00	52.50	19.18	6.88	4.65	29.49	-22.20	62.40	32.19
UGA0IFRB	35.40	32.18	0.96	1.60	1.60	90.00	52.50	19.67	6.88	4.65	35.61	-27.20	91.60	83.26
STP0IFRB	36.00	7.00	1.00	1.60	1.60	90.00	52.50	18.35	6.88	4.65	36.97	-45.40	59.40	56.16
PAK00000	39.30	69.55	29.79	2.31	2.06	16.53	52.50	21.22	6.88	4.65	39.24	38.40	112.10	30.73
MOZ0IFRB	40.00	34.57	-17.17	3.51	1.83	66.10	53.55	20.88	6.88	4.65	33.82	-10.60	90.60	57.74
I 00000	40.30	13.06	40.83	1.69	1.60	56.75	52.50	20.79	6.88	4.65	28.25	-32.90	54.10	27.84
S 00000	43.00	18.18	60.63	1.89	1.60	27.98	52.50	21.29	6.88	4.65	30.41	-7.00	47.10	10.69
LUX00000	46.10	5.91	49.85	1.60	1.60	90.00	52.50	18.61	6.88	4.65	29.72	-53.90	66.10	21.24
CYPSBA00	46.80	32.95	34.58	1.60	1.60	90.00	52.50	18.19	6.88	4.65	31.25	44.70	59.20	47.18
GIB00000	46.80	-5.35	36.15	1.60	1.60	90.00	52.50	18.79	6.88	4.65	33.72	44.70	59.20	21.62
HKG00000	46.80	114.50	22.42	1.60	1.60	90.00	52.50	19.94	6.88	4.65	37.67	44.70	59.20	12.04
MDG0IFRB	47.20	46.53	-18.43	2.70	1.60	78.84	53.57	20.84	6.88	4.65	33.83	10.40	81.10	59.89
NIG00000	47.60	7.93	9.81	2.38	1.60	49.54	54.71	21.64	6.88	4.65	34.69	-29.60	49.60	37.98
ROU00000	50.40	25.47	45.51	1.60	1.60	90.00	52.50	20.13	6.88	4.65	30.28	-16.40	66.50	28.27
GAB0IFRB	52.50	12.09	-0.87	1.60	1.60	90.00	52.50	20.46	6.88	4.65	36.97	-30.00	52.80	39.55
LIE00000	54.60	9.50	47.20	1.60	1.60	90.00	52.50	18.69	6.88	4.65	30.76	-36.50	55.50	20.52
SWZ00000	55.00	31.29	-26.35	1.60	1.60	90.00	52.50	18.17	6.88	4.65	35.08	-26.80	89.20	49.00
JOR00000	55.30	36.70	31.26	1.60	1.60	90.00	52.50	18.81	6.88	4.65	31.92	-28.80	102.90	46.72
QAT00000	56.40	51.55	25.45	1.60	1.60	90.00	52.50	18.01	6.88	4.65	34.04	-16.90	120.00	58.82
TUN00000	57.50	10.48	33.20	1.60	1.60	90.00	52.50	20.52	6.88	4.65	31.43	-42.50	62.00	23.47
MWI0IFRB	57.90	34.11	-13.34	1.60	1.60	90.00	52.50	20.19	6.88	4.65	34.69	-25.00	93.70	56.99

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
THA00000	60.70	100.44	12.93	2.77	1.60	103.03	55.28	21.62	6.88	4.65	33.61	58.60	137.20	36.56
URS00001	61.80	57.82	48.27	7.50	3.50	178.29	58.91	21.71	6.88	4.65	33.59	56.70	65.40	8.58
TCD0IFRB	62.90	19.24	15.59	3.24	1.60	72.29	54.07	21.39	6.88	4.65	32.10	-36.50	67.50	31.39
BDI0IFRB	63.90	29.98	-3.39	1.60	1.60	90.00	52.50	18.43	6.88	4.65	31.99	-30.50	90.40	49.00
MLT00000	65.70	14.33	35.93	1.60	1.60	90.00	52.50	18.80	6.88	4.65	31.46	-39.80	68.50	22.21
UAE00000	66.30	53.79	24.80	1.60	1.60	90.00	52.50	18.91	6.88	4.65	32.28	-12.70	120.30	56.48
AGL0IFRB	66.80	17.53	-12.57	2.51	1.60	114.76	52.50	21.17	6.88	4.65	32.86	-37.20	74.10	25.51
BRM0IFRB	69.20	96.69	18.76	3.21	1.60	105.70	55.19	21.42	6.88	4.65	33.86	57.60	131.00	44.75
BUL00000	69.60	25.24	42.91	1.60	1.60	90.00	52.50	19.38	6.88	4.65	31.34	-20.60	71.50	21.28
TZA0IFRB	70.30	35.43	-5.93	2.41	1.60	117.15	52.50	20.70	6.88	4.65	32.72	-21.30	91.40	42.83
YEM0IFRB	71.10	44.71	14.84	1.60	1.60	90.00	52.50	18.82	6.88	4.65	32.19	-24.30	113.20	52.09
BHR00000	72.30	50.60	26.07	1.60	1.60	90.00	52.50	17.98	6.88	4.65	30.66	-18.60	119.80	51.13
AFS00000	72.90	27.35	-30.18	5.28	1.60	127.87	54.31	21.47	6.88	4.65	36.09	-25.80	84.20	20.70
SYR00000	74.90	39.04	34.90	1.60	1.60	90.00	52.50	20.07	6.88	4.65	32.46	-15.50	91.50	31.46
CHN00002	76.80	113.09	16.28	4.38	1.95	91.07	57.79	21.68	6.88	4.65	33.31	75.00	151.30	31.71
DJI0IFRB	77.20	42.60	11.67	1.60	1.60	90.00	52.50	18.07	6.88	4.65	33.16	-28.40	113.60	47.90
IND00000	80.00	83.12	18.85	6.12	5.06	113.98	62.37	21.49	6.88	4.65	36.62	51.30	116.40	46.77
ZMB0IFRB	80.90	28.36	-12.82	1.62	1.60	86.60	52.50	20.98	6.88	4.65	34.31	-27.90	82.50	21.61
IRQ00000	82.60	44.48	33.12	1.60	1.60	90.00	52.50	20.20	6.88	4.65	32.46	-8.00	95.90	29.95
PHL0IFRB	84.60	121.14	11.36	3.32	1.60	101.76	56.25	21.77	6.88	4.65	34.11	83.00	159.80	40.79
KEN00000	85.00	38.48	0.87	2.07	1.60	92.77	52.50	20.87	6.88	4.65	34.37	-19.80	95.70	31.47
URS00002	87.70	94.84	48.65	7.50	3.50	174.60	59.82	21.71	6.88	4.65	35.39	87.70	98.00	7.01
SNG00000	88.40	103.85	1.28	1.60	1.60	90.00	52.50	18.43	6.88	4.65	32.44	60.60	147.10	71.79
MAU0IFRB	88.80	57.50	-20.17	1.60	1.60	90.00	52.50	18.53	6.88	4.65	39.26	8.00	107.00	47.46
CBG0IFRB	90.60	105.05	12.84	1.60	1.60	90.00	52.50	19.57	6.88	4.65	33.50	61.20	144.20	64.00
IRN00000	91.80	56.05	32.31	2.31	2.03	71.05	52.50	21.17	6.88	4.65	32.40	-4.10	97.00	23.81
COM0IFRB	92.30	44.10	-12.17	1.60	1.60	90.00	52.50	18.92	6.88	4.65	32.91	-7.30	95.50	33.41
MLD0IFRB	92.90	73.14	2.48	2.30	1.60	89.00	52.50	20.72	6.88	4.65	33.84	21.10	124.90	64.73
SEY0IFRB	94.30	55.40	-4.50	1.60	1.60	90.00	52.50	18.59	6.88	4.65	34.01	3.10	107.70	44.72
MLA00000	95.00	108.54	4.62	3.81	1.60	0.96	55.35	21.19	6.88	4.65	33.87	76.40	143.20	60.79
NPL0IFRB	95.50	84.25	27.84	1.60	1.60	90.00	52.50	19.71	6.88	4.65	33.05	30.30	137.60	52.03
ETH00000	96.20	41.59	10.33	2.67	1.60	79.07	52.50	21.23	6.88	4.65	33.42	-16.70	97.70	18.29
LSO0IFRB	96.90	28.40	-29.50	1.60	1.60	90.00	52.50	18.97	6.88	4.65	37.03	-40.10	96.90	10.04
CLN00000	97.30	80.08	7.67	1.60	1.60	90.00	52.50	18.29	6.88	4.65	34.74	28.10	131.90	67.54
ARS00000	102.70	47.95	23.18	2.91	1.60	68.81	52.50	21.16	6.88	4.65	33.40	-13.80	103.20	10.51
CHN00001	107.00	104.87	34.96	8.19	4.27	5.68	61.85	21.62	6.88	4.65	39.85	90.40	139.40	26.98
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	48.30	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	45.58	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	46.58	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	42.06	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	46.76	113.00	114.30	10.03
YMS00000	113.60	48.97	15.17	1.60	1.60	90.00	52.50	20.17	6.88	4.65	34.25	-16.40	114.40	10.83
MAC00000	115.50	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	33.33	64.70	162.40	63.94
AFG00000	116.80	68.30	33.60	2.17	1.60	35.11	52.50	21.12	6.88	4.65	33.22	8.40	128.30	19.28
LAO0IFRB	117.80	103.60	18.18	1.91	1.60	126.55	52.50	20.47	6.88	4.65	31.60	56.60	149.90	58.17
KOR00000	118.50	127.71	36.15	1.60	1.60	90.00	52.50	19.75	6.88	4.65	33.56	83.00	169.60	44.22
BTN0IFRB	120.30	90.45	27.22	1.60	1.60	90.00	52.50	18.51	6.88	4.65	32.26	34.30	146.60	42.96
MNG00000	121.10	104.14	46.86	3.53	1.60	5.03	52.50	21.05	6.88	4.65	33.35	60.40	148.90	25.53
OMA00000	122.10	55.56	21.59	1.85	1.60	64.05	52.50	21.21	6.88	4.65	32.63	-9.80	122.20	10.16
INS00000	125.00	118.78	-1.81	9.23	4.34	169.73	64.29	21.58	6.88	4.65	42.56	98.50	135.30	51.58
BGD00000	127.90	90.13	23.99	1.60	1.60	90.00	52.50	19.51	6.88	4.65	34.17	44.60	135.50	36.63
URS00003	139.50	134.99	52.69	7.50	3.50	6.34	58.98	21.71	6.88	4.65	35.77	138.50	140.60	6.17

UNION INTERNATIONALE DES TELECOMMUNICATIONS

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
AUS00001	140.20	133.99	-24.45	6.55	5.48	151.20	64.19	21.82	6.88	4.65	39.94	102.20	148.10	40.01
AUS00002	140.20	163.31	-30.03	1.60	1.60	90.00	52.50	20.44	6.88	4.65	41.62	102.20	148.10	44.46
AUS00003	140.20	101.51	-11.47	1.60	1.60	90.00	52.50	19.57	6.88	4.65	37.36	102.20	148.10	38.47
AUS00004	140.20	158.97	-54.47	1.60	1.60	90.00	52.50	18.41	6.88	4.65	42.44	102.20	148.10	25.55
AUS00005	140.20	110.42	-66.27	1.60	1.60	90.00	52.50	18.72	6.88	4.65	42.24	102.20	148.10	11.94
TUV00000	142.60	179.16	-8.50	1.60	1.60	90.00	52.50	18.55	6.88	4.65	36.88	127.30	179.00	46.57
NRU0IFRB	143.60	166.90	-0.50	1.60	1.60	90.00	52.50	18.24	6.88	4.65	33.08	114.50	179.00	62.72
VTN00000	144.00	109.36	14.16	3.03	2.34	95.51	57.47	21.74	6.88	4.65	36.72	70.80	146.00	36.55
SLM0IFRB	148.40	158.99	-9.05	1.60	1.60	90.00	52.50	20.53	6.88	4.65	35.58	120.40	179.00	69.09
FJI0IFRB	149.90	178.50	-17.17	1.60	1.60	90.00	52.50	18.44	6.88	4.65	35.27	128.20	179.00	51.64
KIR0IFRB	151.70	173.00	1.00	1.60	1.60	90.00	52.50	18.21	6.88	4.65	38.41	120.60	179.00	65.02
VUT0IFRB	152.40	168.13	-17.25	1.60	1.60	90.00	52.50	19.71	6.88	4.65	34.39	127.40	179.00	59.30
KRE00000	152.90	127.72	39.95	1.60	1.60	90.00	52.50	20.40	6.88	4.65	34.00	95.40	161.70	34.97
BRU0IFRB	153.80	114.60	4.50	1.60	1.60	90.00	52.50	18.98	6.88	4.65	37.80	71.50	157.70	44.38
PNG00000	156.00	148.39	-6.65	3.30	2.26	166.05	55.94	21.05	6.88	4.65	37.14	114.20	179.00	69.43
J 00000	161.80	140.97	30.47	5.53	3.51	21.84	59.86	21.60	6.88	4.65	41.28	94.40	170.90	34.02
NZL00001	166.90	171.98	-46.74	3.98	1.60	64.06	53.07	21.65	6.88	4.65	52.39	150.90	179.00	3.47
NZL00002	166.90	194.98	-13.29	2.84	2.71	112.16	55.07	21.22	6.88	4.65	49.44	150.90	179.00	43.77

ANNEXE 2 - ANNEX 2 - ANEXO 2

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ABW00000	-61.60	-69.04	12.41	1.60	1.60	90.00	52.50	18.34	6.88	4.65	32.93	-119.40	-18.90	71.92
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	48.30	113.00	114.30	12.16
AFG00000	116.80	68.30	33.60	2.17	1.60	35.11	52.50	21.12	6.88	4.65	33.22	8.40	128.30	19.28
AFS00000	72.90	27.35	-30.18	5.28	1.60	127.87	54.31	21.47	6.88	4.65	36.09	-25.80	84.20	20.70
AGL0IFRB	66.80	17.53	-12.57	2.51	1.60	114.76	52.50	21.17	6.88	4.65	32.86	-37.20	74.10	25.51
ALB00000	-11.70	19.98	41.11	1.60	1.60	90.00	52.50	18.84	6.88	4.65	31.59	-29.90	69.80	31.36
ALG00000	32.00	3.66	27.90	3.46	2.40	40.05	53.79	21.04	6.88	4.65	32.95	-45.30	52.00	34.81
ALS00000	-164.10	-159.54	57.48	6.21	1.60	179.75	54.17	21.27	6.88	4.65	50.46	-169.80	-158.20	9.75
AND00000	-46.60	1.53	42.52	1.60	1.60	90.00	52.50	18.72	6.88	4.65	31.47	-48.60	51.70	21.38
ARG00000	-49.10	-61.87	-33.96	4.66	2.88	97.05	59.58	21.91	6.88	4.65	39.31	-58.40	-23.40	25.08
ARGINSUL	-49.10	-59.69	-57.61	3.72	1.60	153.26	52.50	21.47	6.88	4.65	42.89	-58.40	-23.40	7.96
ARS00000	102.70	47.95	23.18	2.91	1.60	68.81	52.50	21.16	6.88	4.65	33.40	-13.80	103.20	10.51
ASCSTHTC	-27.70	-11.38	-19.48	5.63	1.94	81.18	54.32	20.92	6.88	4.65	43.35	-38.50	-27.10	43.94
ATG0IFRB	-53.40	-61.80	17.00	1.60	1.60	90.00	52.50	18.18	6.88	4.65	32.13	-112.20	-11.40	67.82
ATN00000	-10.70	-65.66	15.08	1.60	1.60	90.00	52.50	20.92	6.88	4.65	36.65	-50.10	1.90	22.84
AUS00001	140.20	133.99	-24.45	6.55	5.48	151.20	64.19	21.82	6.88	4.65	39.94	102.20	148.10	40.01
AUS00002	140.20	163.31	-30.03	1.60	1.60	90.00	52.50	20.44	6.88	4.65	41.62	102.20	148.10	44.46
AUS00003	140.20	101.51	-11.47	1.60	1.60	90.00	52.50	19.57	6.88	4.65	37.36	102.20	148.10	38.47
AUS00004	140.20	158.97	-54.47	1.60	1.60	90.00	52.50	18.41	6.88	4.65	42.44	102.20	148.10	25.55
AUS00005	140.20	110.42	-66.27	1.60	1.60	90.00	52.50	18.72	6.88	4.65	42.24	102.20	148.10	11.94
AUT00000	-15.80	13.60	47.64	1.60	1.60	90.00	52.50	19.16	6.88	4.65	30.14	-27.90	55.40	26.37
AZR00000	20.40	-28.25	38.58	1.60	1.60	90.00	52.50	18.92	6.88	4.65	39.89	-57.40	21.10	20.56
B 00001	-71.00	-62.74	-5.90	4.12	3.99	43.79	59.64	21.37	6.88	4.65	34.95	-97.00	-31.20	64.88
B 00002	-77.00	-46.18	-6.29	4.19	3.73	112.55	60.18	21.66	6.88	4.65	34.83	-84.70	-13.50	38.48
B 00003	-38.60	-49.16	-20.97	3.97	3.44	91.92	59.03	21.53	6.88	4.65	36.03	-88.80	-15.20	47.65
BAH0IFRB	-50.60	-75.58	24.08	1.60	1.60	90.00	52.50	20.20	6.88	4.65	33.67	-121.10	-32.20	45.27
BDI00000	63.90	29.98	-3.39	1.60	1.60	90.00	52.50	18.43	6.88	4.65	31.99	-30.50	90.40	49.00
BEL00000	-51.20	4.11	50.31	1.60	1.60	90.00	52.50	19.03	6.88	4.65	31.56	-53.60	62.00	11.43
BEN00000	8.90	2.34	9.29	1.60	1.60	90.00	52.50	19.77	6.88	4.65	37.21	-40.20	44.70	73.86
BERCAYMS	-27.70	-68.27	22.55	3.62	1.99	48.51	56.62	21.98	6.88	4.65	36.42	-38.50	-27.10	26.31
BFA00000	-32.20	-1.93	12.20	1.60	1.60	90.00	52.50	19.95	6.88	4.65	35.06	-54.60	46.20	26.97
BGD00000	127.90	90.13	23.99	1.60	1.60	90.00	52.50	19.51	6.88	4.65	34.17	44.60	135.50	36.63
BHR00000	72.30	50.60	26.07	1.50	1.60	90.00	52.50	17.98	6.88	4.65	30.66	-18.60	119.80	51.13
BLZ00000	-134.00	-88.63	17.24	1.60	1.60	90.00	52.50	19.04	6.88	4.65	40.64	-138.40	-38.70	34.44
BOL00000	-95.10	-65.09	-17.07	2.38	2.00	91.33	55.27	21.45	6.88	4.65	33.85	-97.30	-23.20	42.11
BOT00000	-41.40	25.01	-21.75	1.60	1.60	90.00	52.50	20.69	6.88	4.65	36.77	-41.70	89.90	10.35
BRB0IFRB	-95.80	-59.60	13.17	1.60	1.60	90.00	52.50	18.57	6.88	4.65	31.76	-110.80	-8.40	45.73
BRM0IFRB	69.20	96.69	18.76	3.21	1.60	105.70	55.19	21.42	6.88	4.65	33.86	57.60	131.00	44.75
BRU0IFRB	153.80	114.60	4.50	1.60	1.60	90.00	52.50	18.98	6.88	4.65	37.80	71.50	157.70	44.38
BTN0IFRB	120.30	90.45	27.22	1.60	1.60	90.00	52.50	18.51	6.88	4.65	32.26	34.30	146.60	42.96
BUL00000	69.60	25.24	42.91	1.60	1.60	90.00	52.50	19.38	6.88	4.65	31.34	-20.60	71.50	21.28
CAF00000	-0.40	21.28	6.41	2.42	1.71	14.07	53.40	21.08	6.88	4.65	36.50	-24.80	57.60	56.97
CANDEAST	-81.40	-73.06	50.25	4.63	2.41	168.36	55.66	21.48	6.88	4.65	40.25	-108.00	-54.90	13.09
CANOCENT	-101.50	-95.03	51.31	4.07	2.31	161.21	54.71	21.55	6.88	4.65	39.46	-115.10	-101.00	10.03
CANOWEST	-116.30	-120.18	57.41	3.08	1.83	171.68	52.50	21.30	6.88	4.65	37.72	-119.00	-113.70	10.13
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	65.94	23.24	6.88	4.65	54.39	-169.80	-158.20	16.15
CBG0IFRB	90.60	105.05	12.84	1.60	1.60	90.00	52.50	19.57	6.88	4.65	33.50	61.20	144.20	64.00
CHL00000	-84.10	-84.47	-32.69	7.71	6.46	169.06	61.48	21.64	6.88	4.65	38.00	-96.40	-53.60	11.21
CHN00001	107.00	104.87	34.96	8.19	4.27	5.68	61.85	21.62	6.88	4.65	39.85	90.40	139.40	26.98
CHN00002	76.80	113.09	16.28	4.38	1.95	91.07	57.79	21.68	6.88	4.65	33.31	75.00	151.30	31.71
CLM00000	-39.90	-73.50	5.46	3.59	1.91	106.08	57.45	21.71	6.88	4.65	34.70	-110.10	-39.90	40.03
CLN00000	97.30	80.08	7.67	1.60	1.60	90.00	52.50	18.29	6.88	4.65	34.74	28.10	131.90	67.54

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CME00000	26.30	13.00	6.29	2.50	1.82	82.38	53.74	21.01	6.88	4.65	34.34	-27.30	51.20	68.00
CNR00000	-56.30	-15.95	28.56	1.60	1.60	90.00	52.50	18.61	6.88	4.65	36.64	-61.10	50.70	32.40
COG0IFRB	-22.60	14.76	-0.53	1.91	1.60	66.39	53.43	21.34	6.88	4.65	33.83	-24.70	56.50	42.35
COM0IFRB	92.30	44.10	-12.17	1.60	1.60	90.00	52.50	18.92	6.88	4.65	32.91	-7.30	55.50	33.41
CPV0IFRB	-79.20	-24.10	16.00	1.60	1.60	90.00	52.50	18.53	6.88	4.65	34.33	-94.70	46.50	25.53
CTI00000	30.20	-5.84	7.77	1.60	1.60	90.00	52.50	20.22	6.88	4.65	34.41	-46.50	35.60	44.71
CTR00000	-125.40	-86.06	8.25	1.60	1.60	90.00	52.50	20.04	6.88	4.65	38.51	-125.40	-44.00	40.01
CUB00000	-96.80	-79.66	21.02	1.91	1.60	169.21	52.50	20.85	6.88	4.65	35.72	-123.50	-36.10	54.92
CVA00000	11.20	12.50	41.88	1.60	1.60	90.00	52.50	18.28	6.88	4.65	30.82	-38.10	63.10	41.62
CYP00000	-19.90	33.20	35.10	1.60	1.60	90.00	52.50	18.81	6.88	4.65	33.47	-21.50	87.90	21.33
CYPSBA00	46.80	32.95	34.58	1.60	1.60	90.00	52.50	18.19	6.88	4.65	31.25	44.70	59.20	47.18
D 00000	22.00	9.76	50.64	1.60	1.60	90.00	52.50	19.38	6.88	4.65	30.35	-30.40	53.10	26.08
DDR00000	29.60	12.89	51.67	1.60	1.60	90.00	52.50	19.05	6.88	4.65	29.02	-26.80	51.70	26.03
DJI0IFRB	77.20	42.60	11.67	1.60	1.60	90.00	52.50	18.07	6.88	4.65	33.16	-28.40	113.60	47.90
DMA0IFRB	-57.90	-61.30	15.33	1.60	1.60	90.00	52.50	18.14	6.88	4.65	31.77	-112.10	-10.50	71.57
DNK00001	-21.40	10.93	55.91	1.60	1.60	90.00	52.50	19.35	6.88	4.65	29.98	-40.80	62.20	18.68
DNK00002	-35.90	10.91	55.73	1.60	1.60	90.00	52.50	19.31	6.88	4.65	32.52	-40.80	-30.20	12.46
DNK00FAR	-45.90	-7.18	61.74	1.60	1.60	90.00	52.50	18.79	6.88	4.65	39.04	-40.80	-30.20	15.41
DOM0IFRB	-45.20	-70.40	18.67	1.60	1.60	90.00	52.50	18.40	6.88	4.65	32.82	-120.30	-20.50	53.90
E 00002	-56.30	-4.52	40.38	1.60	1.60	90.00	52.50	20.99	6.88	4.65	33.83	-61.10	50.70	13.50
EGY00000	-6.90	29.17	26.28	2.42	1.60	131.90	52.50	20.76	6.88	4.65	33.31	-33.70	93.30	32.77
EQA00000	-93.40	-82.85	-1.37	3.33	1.60	173.06	54.39	21.02	6.88	4.65	35.65	-122.10	-39.20	68.64
ETH00000	96.20	41.59	10.33	2.67	1.60	79.07	52.50	21.23	6.88	4.65	33.42	-16.70	97.70	18.29
F 00000	-1.30	3.03	45.90	2.13	1.60	167.59	52.50	20.95	6.88	4.65	31.12	-13.90	5.70	31.52
FJI0IFRB	149.90	178.50	-17.17	1.60	1.60	90.00	52.50	18.44	6.88	4.65	35.27	128.20	179.00	51.64
FLKSTGGL	-27.70	-45.43	-59.62	3.84	1.60	165.75	52.50	21.31	6.88	4.65	38.83	-38.50	-27.10	5.13
FNL00000	25.30	25.08	61.61	1.60	1.60	90.00	52.50	19.73	6.88	4.65	31.01	7.10	46.80	11.38
G 00000	-27.70	-3.65	54.10	1.60	1.60	90.00	52.50	20.80	6.88	4.65	31.00	-38.50	-27.10	17.50
GAB0IFRB	52.50	12.09	-0.87	1.60	1.60	90.00	52.50	20.46	6.88	4.65	36.97	-30.00	52.80	39.55
GDL00000	-1.30	-61.97	16.31	1.60	1.60	90.00	52.50	19.90	6.88	4.65	37.84	-13.90	5.70	18.47
GDL00002	-116.90	-61.76	16.40	1.60	1.60	90.00	52.50	19.71	6.88	4.65	34.27	-123.20	-81.20	24.65
GHA00000	-40.30	-1.58	7.99	1.60	1.60	90.00	52.50	20.43	6.88	4.65	34.38	-41.70	39.30	41.65
GIB00000	46.80	-5.35	36.15	1.60	1.60	90.00	52.50	18.79	6.88	4.65	33.72	44.70	59.20	21.62
GMB00000	-32.70	-16.40	13.40	1.60	1.60	90.00	52.50	17.93	6.88	4.65	32.42	-77.30	44.50	65.41
GNB0IFRB	11.80	-15.40	12.00	1.60	1.60	90.00	52.50	18.05	6.88	4.65	39.94	-76.50	45.70	55.55
GNE0IFRB	-29.70	10.50	1.67	1.60	1.60	90.00	52.50	19.01	6.88	4.65	33.37	-32.80	53.80	43.48
GRC00000	27.10	24.78	38.24	1.62	1.60	166.04	52.50	20.73	6.88	4.65	30.37	-24.40	71.40	41.78
GRD0IFRB	-22.20	-61.60	12.00	1.60	1.60	90.00	52.50	18.65	6.88	4.65	33.88	-113.00	-10.20	42.73
GRL00000	-35.90	-39.54	67.59	2.13	1.60	0.94	52.50	21.30	6.88	4.65	46.91	-40.80	-30.20	1.75
GTM00000	-92.40	-90.40	15.76	1.60	1.60	90.00	52.50	18.84	6.88	4.65	33.55	-139.30	-41.40	68.93
GUF00000	-1.30	-53.17	4.30	1.60	1.60	90.00	52.50	19.84	6.88	4.65	42.90	-13.90	5.70	29.53
GUF00002	-116.90	-53.29	4.30	1.60	1.60	90.00	53.50	20.67	6.88	4.65	39.46	-123.20	-81.20	16.59
GUI0IFRB	-3.90	-11.02	10.22	1.60	1.60	90.00	52.50	20.64	6.88	4.65	32.42	-51.80	33.80	71.39
GUMMRA00	-164.10	-213.93	16.62	1.70	1.60	78.93	52.50	21.52	6.88	4.65	49.58	-169.80	-158.20	26.41
GUY00000	-46.00	-59.14	4.73	1.60	1.60	90.00	52.50	20.25	6.88	4.65	36.09	-100.10	-18.30	70.82
HKG00000	46.80	114.50	22.42	1.60	1.60	90.00	52.50	19.94	6.88	4.65	37.67	44.70	59.20	12.04
HND00000	-117.80	-86.19	15.41	1.60	1.60	90.00	52.50	19.78	6.88	4.65	33.92	-123.80	-68.10	45.98
HNG00000	35.00	19.55	47.22	1.60	1.60	90.00	52.50	19.18	6.88	4.65	29.49	-22.20	62.40	32.19
HOL00000	-10.70	5.35	52.30	1.60	1.60	90.00	52.50	18.60	6.88	4.65	30.97	-50.10	1.90	26.30
HTI0IFRB	-68.90	-73.00	18.83	1.60	1.60	90.00	52.50	18.19	6.88	4.65	31.82	-122.90	-23.10	67.42
HWA00000	-164.10	-157.61	20.74	1.60	1.60	90.00	52.50	19.81	6.88	4.65	69.61	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	1.60	1.60	90.00	52.50	18.11	6.88	4.65	60.43	-169.80	-158.20	75.33

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I 00000	40.30	13.06	40.83	1.69	1.60	56.75	52.50	20.79	6.88	4.65	28.25	-32.90	54.10	27.84
IND00000	80.00	83.12	18.85	6.12	5.06	113.98	62.37	21.49	6.88	4.65	36.62	51.30	116.40	46.77
INS00000	125.00	118.78	-1.81	9.23	4.34	169.73	64.29	21.58	6.88	4.65	42.56	98.50	135.30	51.58
IRL00000	13.10	-8.24	53.17	1.60	1.60	90.00	52.50	19.02	6.88	4.65	35.20	-41.00	25.70	24.24
IRN00000	91.80	56.05	32.31	2.31	2.03	71.05	52.50	21.17	6.88	4.65	32.40	-4.10	97.00	23.81
IRQ00000	82.60	44.48	33.12	1.60	1.60	90.00	52.50	20.20	6.88	4.65	32.46	-8.00	95.90	29.95
ISL00000	-9.20	-18.82	65.60	1.60	1.60	90.00	52.50	19.16	6.88	4.65	38.06	-53.00	14.80	14.76
ISR00000	10.20	34.97	31.32	1.60	1.60	90.00	52.50	18.71	6.88	4.65	36.86	-20.40	90.80	42.97
J 00000	161.80	140.97	30.47	5.53	3.51	21.84	59.86	21.60	6.88	4.65	41.28	94.40	170.90	34.02
JAR00000	-164.10	-160.00	-0.38	1.60	1.60	90.00	52.50	18.08	6.88	4.65	59.27	-169.80	-158.20	85.15
JMC00000	-76.00	-77.59	18.18	1.60	1.60	90.00	52.50	18.20	6.88	4.65	35.61	-127.50	-27.80	68.19
JON00000	-164.10	-168.50	17.00	1.60	1.60	90.00	52.50	17.78	6.88	4.65	70.02	-169.80	-158.20	69.41
JOR00000	55.30	36.70	31.26	1.60	1.60	90.00	52.50	18.81	6.88	4.65	31.92	-28.80	102.90	46.72
KEN00000	85.00	38.48	0.87	2.07	1.60	92.77	52.50	20.87	6.88	4.65	34.37	-19.80	95.70	31.47
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	45.58	113.00	114.30	10.90
KIR0IFRB	151.70	173.00	1.00	1.60	1.60	90.00	52.50	18.21	6.88	4.65	38.41	120.60	179.00	65.02
KOR00000	118.50	127.71	36.15	1.60	1.60	90.00	52.50	19.75	6.88	4.65	33.56	83.00	169.60	44.22
KRE00000	152.90	127.72	39.95	1.60	1.60	90.00	52.50	20.40	6.88	4.65	34.00	95.40	161.70	34.97
KWT00000	15.20	47.89	29.22	1.60	1.60	90.00	52.50	18.30	6.88	4.65	39.44	-20.20	115.30	40.24
LAO0IFRB	117.80	103.60	18.18	1.91	1.60	126.55	52.50	20.47	6.88	4.65	31.60	56.60	149.90	58.17
LBN00000	-13.00	35.80	33.83	1.60	1.60	90.00	52.50	18.54	6.88	4.65	32.57	-31.60	103.20	25.32
LBR00000	3.40	-9.10	6.36	1.60	1.60	90.00	52.50	19.22	6.88	4.65	35.14	-50.40	35.50	70.79
LBY00000	17.80	18.94	26.00	3.26	2.53	156.24	53.27	20.75	6.88	4.65	32.19	-31.20	67.20	50.96
LIE00000	54.60	9.50	47.20	1.60	1.60	90.00	52.50	18.69	6.88	4.65	30.76	-36.50	55.50	20.52
LSO0IFRB	96.90	28.40	-29.50	1.60	1.60	90.00	52.50	18.97	6.88	4.65	37.03	-40.10	96.90	10.04
LUX00000	46.10	5.91	49.85	1.60	1.60	90.00	52.50	18.61	6.88	4.65	29.72	-53.90	66.10	21.24
MAC00000	115.50	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	33.33	64.70	162.40	63.94
MAU0IFRB	88.80	57.50	-20.17	1.60	1.60	90.00	52.50	18.53	6.88	4.65	39.26	8.00	107.00	47.46
MCO00000	-40.80	7.40	43.67	1.60	1.60	90.00	52.50	18.99	6.88	4.65	31.58	-41.80	56.60	20.70
MDG0IFRB	47.20	46.53	-18.43	2.70	1.60	78.84	53.57	20.84	6.88	4.65	33.83	10.40	81.10	59.89
MDR00000	20.40	-16.14	31.55	1.60	1.60	90.00	52.50	18.61	6.88	4.65	38.21	-57.40	21.10	34.91
MDW00000	-164.10	-177.42	28.22	1.60	1.60	90.00	52.50	17.96	6.88	4.65	65.95	-169.80	-158.20	53.92
MEX00000	-85.70	-102.29	23.15	5.21	2.57	164.46	57.43	21.33	6.88	4.65	35.55	-136.10	-61.00	40.34
MLA00000	95.00	108.54	4.62	3.81	1.60	0.96	55.35	21.19	6.88	4.65	33.87	76.40	143.20	60.79
MLD0IFRB	92.90	73.14	2.48	2.30	1.60	89.00	52.50	20.72	6.88	4.65	33.84	21.10	124.90	64.73
MLI0IFRB	-59.90	-5.41	17.70	2.47	1.60	106.04	53.55	21.73	6.88	4.65	35.25	-59.90	43.30	16.50
MLT00000	65.70	14.33	35.93	1.60	1.60	90.00	52.50	18.80	6.88	4.65	31.46	-39.80	68.50	22.21
MNG00000	121.10	104.14	46.86	3.53	1.60	5.03	52.50	21.05	6.88	4.65	33.35	60.40	148.90	25.53
MOZ0IFRB	40.00	34.57	-17.17	3.51	1.83	66.10	53.55	20.88	6.88	4.65	33.82	-10.60	90.60	57.74
MRC00000	-19.30	-8.69	29.20	3.73	1.60	45.08	52.50	20.62	6.88	4.65	32.37	-56.80	48.50	45.34
MRL00000	-164.10	-184.75	8.75	2.35	1.60	96.04	53.21	21.11	6.88	4.65	58.32	-169.80	-158.20	57.90
MTN0IFRB	-72.60	-10.75	20.45	2.19	1.60	109.60	52.50	21.47	6.88	4.65	36.08	-72.80	44.20	11.23
MWI0IFRB	57.90	34.11	-13.34	1.60	1.60	90.00	52.50	20.19	6.88	4.65	34.69	-25.00	93.70	56.99
MYT00000	-1.30	45.21	-12.83	1.60	1.60	90.00	52.50	18.87	6.88	4.65	40.43	-13.90	5.70	35.01
NCG0IFRB	-104.10	-84.88	12.94	1.60	1.60	90.00	52.50	19.42	6.88	4.65	34.42	-124.40	-45.90	60.25
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	46.58	113.00	114.30	24.44
NGR0IFRB	-23.70	7.85	17.25	2.38	2.11	17.56	52.50	20.75	6.88	4.65	33.48	-54.50	64.60	40.00
NIG00000	47.60	7.93	9.81	2.38	1.60	49.54	54.71	21.64	6.88	4.65	34.69	-29.60	69.60	37.98
NMB0IFRB	-33.00	17.66	-21.03	2.63	1.60	67.81	52.50	21.09	6.88	4.65	32.72	-45.40	82.50	22.29
NOR00000	8.40	11.93	63.85	2.10	1.60	15.95	52.50	21.35	6.88	4.65	32.07	2.90	29.10	3.21
NPL0IFRB	95.50	84.25	27.84	1.60	1.60	90.00	52.50	19.71	6.88	4.65	33.05	30.30	137.60	52.03
NRU0IFRB	143.60	166.90	-0.50	1.60	1.60	90.00	52.50	18.24	6.88	4.65	33.08	114.50	179.00	62.72

ADMINISTRATION

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NZL00001	166.90	171.98	-46.74	3.98	1.60	64.06	53.07	21.65	6.88	4.65	52.39	150.90	179.00	3.47
NZL00002	166.90	194.98	-13.29	2.84	2.71	112.16	55.07	21.22	6.88	4.65	49.44	150.90	179.00	43.77
OCE00000	-116.90	-141.90	-16.04	3.55	2.39	139.60	55.04	21.05	6.88	4.65	44.74	-123.20	-81.20	45.85
OMA00000	122.10	55.56	21.59	1.85	1.60	64.05	52.50	21.21	6.88	4.65	32.63	-9.80	122.20	10.16
PAK00000	39.30	69.55	29.79	2.31	2.06	16.53	52.50	21.22	6.88	4.65	39.24	38.40	112.10	30.73
PHL0IFRB	84.60	121.14	11.36	3.32	1.60	101.76	56.25	21.77	6.88	4.65	34.11	83.00	159.80	40.79
PLM00000	-164.10	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	67.23	-169.80	-158.20	81.18
PNG00000	156.00	148.39	-6.65	3.30	2.26	166.05	55.94	21.05	6.88	4.65	37.14	114.20	179.00	69.43
PNR0IFRB	-52.60	-80.15	8.62	1.60	1.60	90.00	52.50	19.58	6.88	4.65	34.60	-120.00	-40.40	53.26
POL00000	-5.90	18.39	51.18	1.60	1.60	90.00	52.50	20.13	6.88	4.65	30.68	-14.80	56.40	22.64
POR00000	20.40	-7.95	39.50	1.60	1.60	90.00	52.50	19.13	6.88	4.65	35.38	-57.40	21.10	33.26
PRG00000	-26.70	-58.46	-23.22	1.83	1.60	133.47	53.22	21.39	6.88	4.65	35.88	-90.40	-23.20	41.95
PRU00000	-110.20	-74.63	-8.39	3.44	1.94	97.20	56.40	21.63	6.88	4.65	39.89	-120.40	-38.20	40.17
PTC00000	-59.50	-130.10	-25.07	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.71	-62.60	-58.50	8.92
QAT00000	56.40	51.55	25.45	1.60	1.60	90.00	52.50	18.01	6.88	4.65	34.04	-16.90	120.00	58.82
REU00000	-1.30	55.57	-21.12	1.60	1.60	90.00	52.50	19.37	6.88	4.65	43.25	-13.90	5.70	22.14
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	42.06	113.00	114.30	21.57
ROU00000	50.40	25.47	45.51	1.60	1.60	90.00	52.50	20.13	6.88	4.65	30.28	-16.40	66.50	28.27
RRW00000	-12.20	29.74	-1.89	1.60	1.60	90.00	52.50	18.40	6.88	4.65	39.29	-30.90	90.80	40.24
S 00000	43.00	18.18	60.63	1.89	1.60	27.98	52.50	21.29	6.88	4.65	30.41	-7.00	47.10	10.69
SCN0IFRB	-90.10	-62.90	17.33	1.60	1.60	90.00	52.50	18.41	6.88	4.65	33.14	-113.20	-12.60	52.87
SDN00001	-31.90	28.32	10.25	2.44	1.60	108.12	53.66	21.87	6.88	4.65	35.07	-31.90	92.90	13.58
SDN00002	-31.90	28.14	16.44	2.39	1.60	105.63	52.50	20.87	6.88	4.65	36.86	-31.90	92.90	10.05
SEN00000	-9.90	-14.13	13.72	1.60	1.60	90.00	52.50	19.50	6.88	4.65	33.21	-64.40	34.30	69.81
SEY0IFRB	94.30	55.40	-4.50	1.60	1.60	90.00	52.50	18.59	6.88	4.65	34.01	3.10	107.70	44.72
SLM0IFRB	148.40	158.99	-9.05	1.60	1.60	90.00	52.50	20.53	6.88	4.65	35.58	120.40	179.00	69.09
SLV0IFRB	-48.30	-89.00	13.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	35.04	-130.50	-47.50	60.89
SMA00000	-164.10	-170.70	-14.22	1.60	1.60	90.00	52.50	17.77	6.88	4.65	48.93	-169.80	-158.20	71.62
SMO00000	-124.90	-172.11	-13.73	1.60	1.60	90.00	52.50	18.96	6.88	4.65	42.63	-175.00	-121.70	33.38
SMR00000	-24.90	12.46	43.93	1.60	1.60	90.00	52.50	18.62	6.88	4.65	31.80	-36.40	61.40	27.12
SNG00000	88.40	103.85	1.28	1.60	1.60	90.00	52.50	18.43	6.88	4.65	32.44	60.60	147.10	71.79
SOM0IFRB	7.90	44.75	6.33	3.16	1.60	76.30	52.50	20.71	6.88	4.65	39.71	-20.00	102.70	38.82
SPM00000	-1.30	-56.40	46.96	1.60	1.60	90.00	52.50	19.32	6.88	4.65	44.03	-13.90	5.70	14.52
SRL0IFRB	-18.50	-11.90	8.50	1.60	1.60	90.00	52.50	18.10	6.88	4.65	35.80	-63.80	40.00	77.36
STP0IFRB	36.00	7.00	1.00	1.60	1.60	90.00	52.50	18.35	6.88	4.65	36.97	-45.40	59.40	56.16
SUI00000	-31.20	7.94	46.49	1.60	1.60	90.00	52.50	18.82	6.88	4.65	30.31	-35.90	52.70	22.71
SUR0IFRB	-29.30	-55.50	3.87	1.60	1.60	90.00	52.50	19.38	6.88	4.65	36.13	-97.00	-15.00	56.09
SWZ00000	55.00	31.29	-26.35	1.60	1.60	90.00	52.50	18.17	6.88	4.65	35.08	-26.80	89.20	49.00
SYR00000	74.90	39.04	34.90	1.60	1.60	90.00	52.50	20.07	6.88	4.65	32.46	-15.50	91.50	31.46
TCD0IFRB	62.90	19.24	15.59	3.24	1.60	72.29	54.07	21.39	6.88	4.65	32.10	-36.50	67.50	31.39
TCH00000	15.90	17.41	49.65	1.60	1.60	90.00	52.50	19.95	6.88	4.65	29.72	-21.30	54.40	31.53
TGO00000	-2.10	0.85	8.57	1.60	1.60	90.00	52.50	19.39	6.88	4.65	33.48	-41.00	43.40	76.65
THA00000	60.70	100.44	12.93	2.77	1.60	103.03	55.28	21.62	6.88	4.65	33.61	58.60	137.20	36.56
TON0IFRB	-133.60	-175.17	-21.17	1.60	1.60	90.00	52.50	18.80	6.88	4.65	42.15	-175.00	-126.00	37.34
TRD00000	-86.90	-61.05	10.80	1.60	1.60	90.00	52.50	18.36	6.88	4.65	32.18	-112.30	-9.90	56.97
TUN00000	57.50	10.48	33.20	1.60	1.60	90.00	52.50	20.52	6.88	4.65	31.43	-42.50	62.00	23.47
TUR00000	0.30	34.06	38.79	2.48	1.60	165.64	52.50	21.25	6.88	4.65	32.23	-7.30	77.10	25.46
TUV00000	142.60	179.16	-8.50	1.60	1.60	90.00	52.50	18.55	6.88	4.65	36.88	127.30	179.00	46.57
ZA0IFRB	70.30	35.43	-5.93	2.41	1.60	117.15	52.50	20.70	6.88	4.65	32.72	-21.30	91.40	42.83
UAE00000	66.30	53.79	24.80	1.60	1.60	90.00	52.50	18.91	6.88	4.65	32.28	-12.70	120.30	56.48
UGA0IFRB	35.40	32.18	0.96	1.60	1.60	90.00	52.50	19.67	6.88	4.65	35.61	-27.20	91.60	83.26
URG00000	-78.60	-56.34	-33.56	1.60	1.60	90.00	52.50	19.24	6.88	4.65	32.48	-108.90	-3.50	42.29

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
URS00001	61.80	57.82	48.27	7.50	3.50	178.29	58.91	21.71	6.88	4.65	33.59	56.70	65.40	8.58
URS00002	87.70	94.84	48.65	7.50	3.50	174.60	59.82	21.71	6.88	4.65	35.39	87.70	98.00	7.01
URS00003	139.50	134.99	52.69	7.50	3.50	6.34	58.98	21.71	6.88	4.65	35.77	138.50	140.60	6.17
USA00000	-65.00	-88.00	36.49	6.68	3.57	10.05	60.48	21.91	6.88	4.65	39.73	-130.30	-63.50	11.00
USAVIPRT	-65.00	-64.50	17.75	1.60	1.60	90.00	52.50	18.17	6.88	4.65	33.16	-130.30	-63.50	69.16
VCT0IFRB	-108.60	-61.10	13.17	1.60	1.60	90.00	52.50	18.92	6.88	4.65	31.96	-112.30	-9.90	33.93
VEN00001	-102.50	-66.57	6.90	2.55	1.73	124.14	55.34	21.56	6.88	4.65	33.80	-102.50	-24.70	40.07
VEN00002	-102.50	-63.62	15.67	1.60	1.60	90.00	52.50	18.66	6.88	4.65	33.51	-102.50	-24.70	42.11
VTN00000	144.00	109.36	14.16	3.03	2.34	95.51	57.47	21.74	6.88	4.65	36.72	70.80	146.00	36.55
VUT0IFRB	152.40	168.13	-17.25	1.60	1.60	90.00	52.50	19.71	6.88	4.65	34.39	127.40	179.00	59.30
WAK00000	-164.10	-193.50	19.20	1.60	1.60	90.00	52.50	18.02	6.88	4.65	59.99	-169.80	-158.20	49.76
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	46.76	113.00	114.30	10.03
YEM0IFRB	71.10	44.71	14.84	1.60	1.60	90.00	52.50	18.82	6.88	4.65	32.19	-24.30	113.20	52.09
YMS00000	113.60	48.97	15.17	1.60	1.60	90.00	52.50	20.17	6.88	4.65	34.25	-14.40	114.40	10.83
YUG00000	4.70	17.98	43.99	1.60	1.60	90.00	52.50	20.38	6.88	4.65	30.74	-25.80	60.20	34.62
ZAI0IFRB	19.70	23.53	-4.55	4.25	3.86	12.30	59.42	21.19	6.88	4.65	36.22	-23.60	62.60	70.27
ZMB0IFRB	80.90	28.36	-12.82	1.62	1.60	86.60	52.50	20.98	6.88	4.65	34.31	-27.90	82.50	21.61
ZWE00000	2.90	29.72	-18.89	1.60	1.60	90.00	52.50	19.91	6.88	4.65	38.89	-27.00	85.50	48.30

FOR CONFERENCE

SATELLITE POSITION ORDER

ANNEXE 3 - ANNEX 3 - ANEXO 3

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALS00000	-164.10	-159.54	57.48	6.21	1.52	179.75	62.63	31.43	13.00	11.20	47.05	-169.80	-158.20	9.75
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	73.23	38.35	13.00	11.20	52.29	-169.80	-158.20	16.15
GUMMRA0C	-164.10	-213.93	16.62	1.70	0.99	78.93	60.84	37.68	13.00	11.20	48.80	-169.80	-158.20	26.41
HWA00000	-164.10	-157.61	20.74	1.24	1.00	157.70	58.70	36.86	13.00	11.20	69.14	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	0.80	0.80	90.00	53.42	32.49	13.00	11.20	60.84	-169.80	-158.20	75.33
JAR00000	-164.10	-160.00	-0.38	0.80	0.80	90.00	53.35	32.42	13.00	11.20	58.79	-169.80	-158.20	85.15
JON00000	-164.10	-168.50	17.00	0.80	0.80	90.00	50.70	27.52	13.00	11.20	64.32	-169.80	-158.20	69.41
MDW00000	-164.10	-177.42	28.22	0.80	0.80	90.00	50.70	27.79	13.00	11.20	60.30	-169.80	-158.20	53.92
MRL00000	-164.10	-184.75	8.75	2.35	1.53	96.04	63.78	37.33	13.00	11.20	62.79	-169.80	-158.20	57.90
PLM00000	-164.10	-161.42	7.00	0.80	0.80	90.00	53.35	32.43	13.00	11.20	65.74	-169.80	-158.20	81.18
SMA00000	-164.10	-170.70	-14.22	0.80	0.80	90.00	50.70	27.51	13.00	11.20	40.62	-169.80	-158.20	71.62
WAK00000	-164.10	-193.50	19.20	0.80	0.80	90.00	50.70	27.88	13.00	11.20	56.40	-169.80	-158.20	49.76
BLZ00000	-134.00	-88.63	17.24	0.80	0.80	90.00	54.78	35.82	13.00	11.20	42.13	-138.40	-38.70	34.44
TON0IFRB	-133.60	-175.17	-21.17	0.80	0.80	90.00	54.12	35.16	13.00	11.20	47.61	-175.00	-126.00	37.34
CTR00000	-125.40	-86.06	8.25	1.10	0.98	78.75	58.36	37.13	13.00	11.20	41.42	-125.40	-44.00	40.01
SMO00000	-124.90	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	44.49	-175.00	-121.70	33.38
HND00000	-117.80	-86.19	15.41	1.06	0.99	39.16	58.06	36.95	13.00	11.20	37.32	-123.80	-48.10	45.98
GDL00002	-116.90	-61.76	16.40	0.80	0.80	90.00	56.22	37.26	13.00	11.20	36.53	-123.20	-81.20	24.65
GUF00002	-116.90	-53.29	4.30	0.80	0.80	90.00	55.57	36.61	13.00	11.20	37.40	-123.20	-81.20	16.59
OCE00000	-116.90	-141.90	-16.04	3.55	2.39	139.60	67.74	35.77	13.00	11.20	49.03	-123.20	-81.20	45.85
CAN0WEST	-116.30	-120.18	57.41	3.08	1.83	171.68	60.27	31.35	13.00	11.20	35.26	-119.00	-113.70	10.13
PRU00000	-110.20	-74.63	-8.39	3.44	1.94	97.20	66.93	37.79	13.00	11.20	40.81	-120.40	-38.20	40.17
VCT0IFRB	-108.60	-61.10	13.17	0.80	0.80	90.00	54.17	35.21	13.00	11.20	29.69	-112.30	-9.90	33.93
NCG0IFRB	-104.10	-84.88	12.94	1.04	0.96	157.10	57.79	36.90	13.00	11.20	36.09	-124.40	-45.90	60.25
VEN00001	-102.50	-66.57	6.90	2.55	1.73	124.14	64.88	37.54	13.00	11.20	36.01	-102.50	-24.70	40.07
VEN00002	-102.50	-63.62	15.67	0.80	0.80	90.00	54.03	34.67	13.00	11.20	36.15	-102.50	-24.70	42.11
CAN0CENT	-101.50	-95.03	51.31	4.07	2.31	161.21	64.74	33.03	13.00	11.20	37.50	-115.10	-101.00	10.03
CUB00000	-96.80	-79.66	21.02	1.91	0.98	169.21	60.96	35.90	13.00	11.20	36.63	-123.50	-36.10	54.92
BRB0IFRB	-95.80	-59.60	13.17	0.80	0.80	90.00	53.96	34.30	13.00	11.20	30.91	-110.80	-8.40	45.73
BOL00000	-95.10	-65.09	-17.07	2.38	2.00	91.33	65.16	37.48	13.00	11.20	34.55	-97.30	-23.20	42.11
EQA00000	-93.40	-82.85	-1.37	3.33	1.44	173.06	64.98	37.27	13.00	11.20	36.68	-122.10	-39.20	68.64
GTM00000	-92.40	-90.40	15.76	0.81	0.99	149.95	56.49	34.53	13.00	11.20	32.22	-139.30	-41.40	68.93
SCN0IFRB	-90.10	-62.90	17.33	0.80	0.80	90.00	53.86	33.58	13.00	11.20	38.64	-113.20	-12.60	52.87
TRD00000	-86.90	-61.05	10.80	0.80	0.80	90.00	53.91	33.32	13.00	11.20	33.62	-112.30	-9.90	56.97
MEX00000	-85.70	-102.29	23.15	5.21	2.57	164.46	69.98	36.39	13.00	11.20	40.32	-136.10	-61.00	40.34
CHL00000	-84.10	-84.47	-32.69	7.71	6.46	169.06	69.89	31.56	13.00	11.20	32.96	-96.40	-53.60	11.21
CAN0EAST	-81.40	-73.06	50.25	4.63	2.41	168.36	65.74	33.18	13.00	11.20	37.33	-108.00	-54.90	13.09
CPV0IFRB	-79.20	-24.10	16.00	0.80	0.80	90.00	50.70	29.11	13.00	11.20	29.73	-94.70	46.50	25.53
URG00000	-78.60	-56.34	-33.56	1.08	0.98	46.66	54.18	31.92	13.00	11.20	29.28	-108.90	-3.50	42.29
B 00002	-77.00	-46.18	-6.29	4.19	3.73	112.55	70.65	37.81	13.00	11.20	35.08	-84.70	-13.50	38.48
JMC00000	-76.00	-77.59	18.18	0.80	0.80	90.00	53.75	32.77	13.00	11.20	35.29	-127.50	-27.80	68.19
MTN0IFRB	-72.60	-10.75	20.45	2.19	1.00	109.60	60.76	34.64	13.00	11.20	35.73	-72.80	44.20	11.23
B 00001	-71.00	-62.74	-5.90	4.12	3.99	43.79	70.68	37.62	13.00	11.20	34.99	-97.00	-31.20	64.88
HTI0IFRB	-68.90	-73.00	18.83	0.80	0.80	90.00	53.69	32.72	13.00	11.20	33.10	-122.90	-23.10	67.42
USA00000	-65.00	-88.00	36.49	6.68	3.57	10.05	73.08	36.86	13.00	11.20	44.67	-130.30	-63.50	11.00
USAVIPRT	-65.00	-64.50	17.75	0.80	0.80	90.00	53.63	32.65	13.00	11.20	38.68	-130.30	-63.50	69.16
ABW00000	-61.60	-69.04	12.41	0.80	0.80	90.00	54.29	33.94	13.00	11.20	37.47	-119.40	-18.90	71.92
MLI0IFRB	-59.90	-5.41	17.7	2.47	1.38	106.04	64.18	37.96	13.00	11.20	38.78	-59.90	43.30	16.50
PTC00000	-59.50	-130.10	-25.07	0.80	0.80	90.00	50.70	28.62	13.00	11.20	33.51	-62.60	-58.50	8.92
DMA0IFRB	-57.90	-61.30	15.33	0.80	0.80	90.00	53.53	32.57	13.00	11.20	33.34	-112.10	-10.50	71.57
CNR00000	-56.30	-15.95	28.56	0.80	0.80	90.00	50.70	29.69	13.00	11.20	33.16	-61.10	50.70	32.40
E 00002	-56.30	-4.52	40.38	1.52	1.00	140.54	59.89	35.06	13.00	11.20	39.89	-61.10	50.70	13.50

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ATG0IFRB	-53.40	-61.80	17.00	0.80	0.80	90.00	53.68	32.70	13.00	11.20	32.71	-112.20	-11.40	67.82
PNR0IFRB	-52.60	-80.15	8.62	1.05	1.00	11.03	57.94	36.83	13.00	11.20	35.90	-120.00	-40.40	53.26
BFA00000	-52.20	-1.93	12.20	1.07	0.99	81.08	58.51	37.36	13.00	11.20	34.16	-54.60	46.20	26.97
BEL00000	-51.20	4.11	50.31	0.80	0.80	90.00	50.70	30.61	13.00	11.20	29.83	-53.60	62.00	11.43
BAH0IFRB	-50.60	-75.58	24.08	1.38	1.00	120.00	59.48	36.47	13.00	11.20	33.83	-121.10	-32.20	45.27
ARG00000	-49.10	-61.87	-33.96	4.66	2.88	97.05	70.28	38.10	13.00	11.20	39.22	-58.40	-23.40	25.08
ARGINSUL	-49.10	-59.69	-57.61	3.72	1.27	153.26	59.49	31.40	13.00	11.20	40.44	-58.40	-23.40	7.96
SLV0IFRB	-48.30	-89.00	13.67	0.80	0.80	90.00	54.04	35.08	13.00	11.20	36.29	-130.50	-47.50	40.89
AND00000	-46.60	1.53	42.52	0.80	0.80	90.00	50.70	30.47	13.00	11.20	29.79	-48.60	51.70	21.38
GUY00000	-46.00	-59.14	4.73	1.44	1.00	99.66	59.41	36.93	13.00	11.20	37.70	-100.10	-18.30	70.82
DOM0IFRB	-45.20	-70.40	18.67	0.80	0.80	90.00	53.84	33.51	13.00	11.20	32.08	-120.30	-20.50	53.90
BOT00000	-41.40	25.01	-21.75	1.44	1.00	70.05	56.07	32.44	13.00	11.20	34.39	-41.70	89.90	10.35
MCO00000	-40.80	7.40	43.67	0.80	0.80	90.00	54.44	33.68	13.00	11.20	33.85	-41.80	56.60	20.70
GHA00000	-40.30	-1.58	7.99	1.32	1.00	100.22	59.29	37.19	13.00	11.20	34.89	-41.70	39.30	41.65
CLM00000	-39.90	-73.50	5.46	3.59	1.91	106.08	66.94	37.68	13.00	11.20	34.19	-110.10	-39.90	40.03
B 00003	-38.60	-49.16	-20.97	3.97	3.44	91.92	70.03	37.77	13.00	11.20	36.15	-88.80	-15.20	47.65
DNK00002	-35.90	10.91	55.73	0.80	0.80	90.00	51.45	31.58	13.00	11.20	34.34	-40.80	-30.20	12.46
DNK00FAR	-35.90	-7.18	61.74	0.80	0.80	90.00	50.70	29.84	13.00	11.20	36.64	-40.80	-30.20	15.41
GRL00000	-35.90	-39.54	67.59	2.13	1.00	0.94	57.23	32.20	13.00	11.20	45.56	-40.80	-30.20	1.75
NMB0IFRB	-33.00	17.66	-21.03	2.63	1.33	67.81	59.02	31.84	13.00	11.20	33.27	-45.40	82.50	22.29
GMB00000	-32.70	-16.40	13.40	0.80	0.80	90.00	50.70	28.96	13.00	11.20	31.65	-77.30	44.50	65.41
SDN00001	-31.90	28.32	10.25	2.44	1.00	108.12	62.87	38.10	13.00	11.20	42.59	-31.90	92.90	13.58
SDN00002	-31.90	28.14	16.44	2.39	1.08	105.63	58.71	32.66	13.00	11.20	38.41	-31.90	92.90	10.05
SUI00000	-31.20	7.94	46.49	0.80	0.80	90.00	51.30	31.09	13.00	11.20	32.04	-35.90	52.70	22.71
GNE0IFRB	-29.70	10.50	1.67	0.80	0.80	90.00	54.00	35.04	13.00	11.20	33.78	-32.80	53.80	43.48
SUR0IFRB	-29.30	-55.50	3.87	0.95	0.98	154.06	57.40	36.81	13.00	11.20	36.08	-97.00	-15.00	56.99
ASCSTHTC	-27.70	-11.38	-19.48	5.63	1.94	81.18	63.07	31.20	13.00	11.20	42.10	-38.50	-27.10	43.94
BERCAYMS	-27.70	-68.27	22.55	3.62	1.99	48.51	67.64	38.17	13.00	11.20	40.43	-38.50	-27.10	26.31
FLKSTGGL	-27.70	-45.43	-59.62	3.84	1.31	165.75	59.86	31.45	13.00	11.20	34.95	-38.50	-27.10	5.13
G 00000	-27.70	-3.65	54.10	1.56	1.00	153.79	55.70	31.95	13.00	11.20	35.15	-38.50	-27.10	17.50
PRG00000	-26.70	-58.46	-23.22	1.83	1.00	133.47	60.93	37.41	13.00	11.20	33.56	-90.40	-23.20	41.95
SMR00000	-24.90	12.46	43.93	0.80	0.80	90.00	50.92	30.64	13.00	11.20	33.46	-36.40	61.40	27.12
NGR0IFRB	-23.70	7.85	17.25	2.38	2.11	17.56	60.78	31.93	13.00	11.20	33.60	-54.50	64.60	40.00
COG0IFRB	-22.60	14.76	-0.53	1.91	1.00	66.39	61.13	37.42	13.00	11.20	36.88	-24.70	56.50	42.35
GRD0IFRB	-22.20	-61.60	12.00	0.80	0.80	90.00	54.01	34.66	13.00	11.20	33.17	-113.00	-10.20	42.73
DNK00001	-21.40	10.93	55.91	0.80	0.80	90.00	51.50	31.87	13.00	11.20	31.41	-40.80	62.20	18.68
CYP00000	-19.90	33.20	35.10	0.80	0.80	90.00	52.20	31.59	13.00	11.20	34.78	-21.50	87.90	21.33
MRC00000	-19.30	-8.69	29.20	3.73	1.21	45.08	60.17	31.78	13.00	11.20	38.00	-56.80	48.50	45.34
SRL0IFRB	-18.50	-11.90	8.50	0.80	0.80	90.00	53.39	32.46	13.00	11.20	36.54	-63.80	40.00	77.36
AUT00000	-15.80	13.60	47.64	0.80	0.80	90.00	52.99	32.82	13.00	11.20	32.70	-27.90	55.40	26.37
LBN00000	-13.00	35.80	33.83	0.80	0.80	90.00	50.70	29.13	13.00	11.20	29.94	-31.60	103.20	25.32
RRW00000	-12.20	29.74	-1.89	0.80	0.80	90.00	50.70	29.81	13.00	11.20	37.91	-30.90	90.80	40.24
ALB00000	-11.70	19.98	41.11	0.80	0.80	90.00	53.38	32.69	13.00	11.20	36.99	-29.90	69.80	31.36
ATN00000	-10.70	-65.66	15.08	1.36	1.00	56.81	59.85	37.62	13.00	11.20	36.92	-50.10	1.90	22.84
HOL00000	-10.70	5.35	52.30	0.80	0.80	90.00	50.70	29.13	13.00	11.20	30.63	-50.10	1.90	26.30
SEN00000	-9.90	-14.13	13.72	1.26	1.07	155.58	58.99	34.79	13.00	11.20	32.10	-64.40	34.30	69.81
ISL00000	-9.20	-18.82	65.60	0.80	0.80	90.00	50.92	31.11	13.00	11.20	39.82	-53.00	14.80	14.76
EGY00000	-6.90	29.17	26.28	2.42	1.53	131.90	58.36	31.12	13.00	11.20	34.00	-33.70	93.30	32.77
POL00000	-5.90	18.39	51.18	1.34	0.97	157.34	54.59	31.69	13.00	11.20	31.22	-14.80	56.40	22.64
GUI0IFRB	-3.90	-11.02	10.22	1.59	1.23	155.84	60.83	37.02	13.00	11.20	34.93	-51.80	33.80	71.39
TGO00000	-2.10	0.85	8.57	1.12	1.00	113.59	58.09	36.70	13.00	11.20	36.40	-41.00	43.40	76.65
F 00000	-1.30	3.03	45.90	2.13	1.10	167.59	59.78	33.67	13.00	11.20	33.66	-13.90	5.70	31.52

PUBLICATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
GDL00000	-1.30	-61.97	16.31	0.80	0.80	90.00	55.78	36.82	13.00	11.20	35.11	-13.90	5.70	18.47
GUF00000	-1.30	-53.17	4.30	0.80	0.80	90.00	55.32	36.36	13.00	11.20	40.08	-13.90	5.70	29.53
MYT00000	-1.30	45.21	-12.83	0.80	0.80	90.00	54.16	35.20	13.00	11.20	39.87	-13.90	5.70	35.01
REU00000	-1.30	55.57	-21.12	0.80	0.80	90.00	54.44	35.48	13.00	11.20	42.37	-13.90	5.70	22.14
SPM00000	-1.30	-56.40	46.96	0.80	0.80	90.00	53.27	32.40	13.00	11.20	40.52	-13.90	5.70	14.52
CAF00000	-0.40	21.28	6.41	2.42	1.71	14.07	64.39	37.33	13.00	11.20	39.31	-24.80	57.60	56.97
TUR00000	0.30	34.06	38.79	2.48	1.00	165.64	60.95	34.40	13.00	11.20	34.10	-7.30	77.10	25.46
ZWE00000	2.90	29.72	-18.89	1.51	1.31	8.96	55.12	30.64	13.00	11.20	34.72	-27.00	85.50	48.30
LBR00000	3.40	-9.10	6.36	1.02	0.99	141.92	57.61	36.67	13.00	11.20	34.44	-50.40	35.50	70.79
YUG00000	4.70	17.98	43.99	1.49	1.00	156.67	56.51	32.66	13.00	11.20	31.12	-25.80	60.20	34.62
SOM0IFRB	7.90	44.75	6.33	3.16	1.27	76.30	59.28	31.52	13.00	11.20	39.15	-20.00	102.70	38.82
NOR00000	8.40	11.93	63.85	2.10	1.00	15.95	57.38	32.36	13.00	11.20	34.57	2.90	29.10	3.21
BEN00000	8.90	2.34	9.29	1.28	1.00	83.25	58.78	36.81	13.00	11.20	39.46	-40.20	44.70	73.86
ISR00000	10.20	34.97	31.32	0.80	0.80	90.00	53.17	32.61	13.00	11.20	37.32	-20.40	90.80	42.97
CVA00000	11.20	12.50	41.88	0.80	0.80	90.00	50.70	29.63	13.00	11.20	31.91	-38.10	63.10	41.62
GNB0IFRB	11.80	-15.40	12.00	0.80	0.80	90.00	50.70	29.24	13.00	11.20	36.84	-76.50	45.70	55.55
IRL00000	13.10	-8.24	53.17	0.80	0.80	90.00	51.13	31.31	13.00	11.20	36.15	-41.00	25.70	24.24
KWT00000	15.20	47.89	29.22	0.80	0.80	90.00	50.70	28.76	13.00	11.20	39.19	-20.20	115.30	40.24
TCH00000	15.90	17.41	49.65	1.33	1.00	173.36	55.06	31.92	13.00	11.20	31.07	-21.30	54.40	31.53
LBY00000	17.80	18.94	26.00	3.26	2.53	156.24	63.07	32.02	13.00	11.20	29.71	-31.20	67.20	50.96
ZAI0IFRB	19.70	23.53	-4.55	4.25	3.86	12.30	70.50	37.46	13.00	11.20	37.81	-23.60	62.60	70.27
AZR00000	20.40	-28.25	38.58	0.80	0.80	90.00	52.25	31.76	13.00	11.20	35.62	-57.40	21.10	20.56
MDR00000	20.40	-16.14	31.55	0.80	0.80	90.00	50.70	30.32	13.00	11.20	32.36	-57.40	21.10	34.91
POR00000	20.40	-7.95	39.50	0.80	0.80	90.00	53.17	33.03	13.00	11.20	31.68	-57.40	21.10	33.26
D 00000	22.00	9.76	50.64	1.01	0.93	30.90	52.74	31.38	13.00	11.20	29.61	-30.40	53.10	26.08
FNL00000	25.30	25.08	61.61	1.16	1.00	7.12	53.18	31.01	13.00	11.20	33.55	7.10	46.80	11.38
CME00000	26.30	13.00	6.29	2.50	1.82	82.38	64.74	37.26	13.00	11.20	34.16	-27.30	51.20	68.00
GRC00000	27.10	24.78	38.24	1.62	1.09	166.04	58.28	33.41	13.00	11.20	34.00	-24.40	71.40	41.78
DDR00000	29.60	12.89	51.67	0.80	0.80	90.00	51.23	31.50	13.00	11.20	28.84	-26.80	51.70	26.03
CTI00000	30.20	-5.84	7.77	1.29	0.99	74.67	59.07	37.11	13.00	11.20	37.96	-46.50	35.60	44.71
ALG00000	32.00	3.66	27.90	3.46	2.40	40.05	64.27	32.92	13.00	11.20	36.16	-45.30	52.00	34.81
HNG00000	35.00	19.55	47.22	0.80	0.80	90.00	52.83	32.82	13.00	11.20	28.99	-22.20	62.40	32.19
UGA0IFRB	35.40	32.18	0.96	1.47	1.01	69.45	54.51	31.05	13.00	11.20	31.11	-27.20	91.60	83.26
STP0IFRB	36.00	7.00	1.00	0.80	0.80	90.00	53.81	33.32	13.00	11.20	35.21	-45.40	59.40	56.16
PAK00000	39.30	69.55	29.79	2.31	2.06	16.53	65.24	35.44	13.00	11.20	39.75	38.40	112.10	30.73
MOZ0IFRB	40.00	34.57	-17.17	3.51	1.83	66.10	66.29	35.31	13.00	11.20	37.11	-10.60	90.60	57.74
I 00000	40.30	13.06	40.83	1.69	1.33	56.75	58.22	32.58	13.00	11.20	27.00	-32.90	54.10	27.84
S 00000	43.00	18.18	60.63	1.89	0.99	27.98	56.80	32.26	13.00	11.20	31.56	-7.00	47.10	10.69
LUX00000	46.10	5.91	49.85	0.80	0.80	90.00	50.70	29.01	13.00	11.20	28.97	-53.90	66.10	21.24
CYPSBA00	46.80	32.95	34.58	0.80	0.80	90.00	50.70	29.56	13.00	11.20	30.20	-44.70	59.20	47.18
GIB00000	46.80	-5.35	36.15	0.80	0.80	90.00	52.11	31.52	13.00	11.20	31.53	-44.70	59.20	21.62
HKG00000	46.80	114.50	22.42	0.80	0.80	90.00	54.64	35.68	13.00	11.20	34.72	-44.70	59.20	12.04
MDG0IFRB	47.20	46.53	-18.43	2.70	1.14	78.84	62.97	37.19	13.00	11.20	36.68	10.40	81.10	59.89
NIG00000	47.60	7.93	9.81	2.38	1.47	49.54	63.98	37.64	13.00	11.20	36.58	-29.60	49.60	37.98
ROU00000	50.40	25.47	45.51	1.33	0.96	8.08	55.72	32.58	13.00	11.20	30.13	-16.40	66.50	28.27
GAB0IFRB	52.50	12.09	-0.87	1.28	1.00	82.02	59.17	37.20	13.00	11.20	37.22	-30.00	52.80	39.55
LIE00000	54.60	9.50	47.20	0.80	0.80	90.00	50.70	29.93	13.00	11.20	32.21	-36.50	55.50	20.52
SWZ00000	55.00	31.29	-26.35	0.80	0.80	90.00	50.70	29.40	13.00	11.20	31.86	-26.80	89.20	49.00
JOR00000	55.30	36.70	31.26	0.80	0.80	90.00	50.70	31.09	13.00	11.20	33.66	-28.80	102.90	46.72
QAT00000	56.40	51.55	25.45	0.80	0.80	90.00	50.70	28.00	13.00	11.20	34.50	-16.90	120.00	58.82
TUN00000	57.50	10.48	33.20	1.44	1.00	55.93	57.78	33.66	13.00	11.20	33.28	-42.50	62.00	23.47
MWI0IFRB	57.90	34.11	-13.34	1.57	1.00	109.12	54.61	30.98	13.00	11.20	32.05	-25.00	93.70	56.99

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
THA00000	60.70	100.44	12.93	2.77	1.27	103.03	64.01	37.65	13.00	11.20	34.11	58.60	137.20	36.56
URS00001	61.80	57.82	48.27	7.50	3.50	178.29	68.80	33.85	13.00	11.20	33.88	56.70	65.40	8.58
TCD0IFRB	62.90	19.24	15.59	3.24	1.23	72.29	64.67	37.77	13.00	11.20	35.97	-36.50	67.50	31.39
BDI00000	63.90	29.98	-3.39	0.80	0.80	90.00	50.70	30.04	13.00	11.20	27.99	-30.50	90.40	49.00
MLT00000	65.70	14.33	35.93	0.80	0.80	90.00	52.32	31.67	13.00	11.20	30.26	-39.80	68.50	22.21
UAE00000	66.30	53.79	24.80	1.12	0.99	12.01	51.22	29.56	13.00	11.20	30.59	-12.70	120.30	56.48
AGL0IFRB	66.80	17.53	-12.57	2.51	1.46	114.76	61.56	33.55	13.00	11.20	34.58	-37.20	74.10	25.51
BRM0IFRB	69.20	96.69	18.76	3.21	1.37	105.70	64.92	37.59	13.00	11.20	33.12	57.60	131.00	44.75
BUL00000	69.60	25.24	42.91	0.80	0.80	90.00	54.24	33.75	13.00	11.20	29.16	-20.60	71.50	21.28
TZA0IFRB	70.30	35.43	-5.93	2.41	1.43	117.15	59.63	32.26	13.00	11.20	34.00	-21.30	91.40	42.83
YEM0IFRB	71.10	44.71	14.84	1.06	1.00	60.24	51.57	29.93	13.00	11.20	32.62	-24.30	113.20	52.09
BHR00000	72.30	50.60	26.07	0.80	0.80	90.00	50.70	27.61	13.00	11.20	32.27	-18.60	119.80	51.13
AFS00000	72.90	27.35	-30.18	5.28	1.36	127.87	64.13	33.39	13.00	11.20	36.93	-25.80	84.20	20.70
SYR00000	74.90	39.04	34.90	1.34	0.98	31.72	56.05	32.68	13.00	11.20	33.43	-15.50	91.50	31.46
CHN00002	76.80	113.09	16.28	4.38	1.95	91.07	67.99	37.78	13.00	11.20	33.51	75.00	151.30	31.71
DJI0IFRB	77.20	42.60	11.67	0.80	0.80	90.00	50.70	28.12	13.00	11.20	28.40	-28.40	113.60	47.90
IND00000	80.00	83.12	18.85	6.12	5.06	113.98	73.58	37.78	13.00	11.20	37.36	51.30	116.40	46.77
ZMB0IFRB	80.90	28.36	-12.82	1.62	1.07	86.60	56.70	32.34	13.00	11.20	30.89	-27.90	82.50	21.61
IRQ00000	82.60	44.48	33.12	1.43	1.15	43.03	56.85	32.55	13.00	11.20	29.18	-8.00	95.90	29.95
PHL0IFRB	84.60	121.14	11.36	3.32	1.40	101.76	65.36	37.79	13.00	11.20	33.32	83.00	159.80	40.79
KEN00000	85.00	38.48	0.87	2.07	1.12	92.77	58.87	32.97	13.00	11.20	32.71	-19.80	95.70	31.47
URS00002	87.70	94.84	48.65	7.50	3.50	174.60	70.65	33.85	13.00	11.20	33.52	87.70	98.00	7.01
SNG00000	88.40	103.85	1.28	0.80	0.80	90.00	53.65	34.69	13.00	11.20	27.79	60.60	167.10	71.79
MAU0IFRB	88.80	57.50	-20.17	0.80	0.80	90.00	53.94	34.11	13.00	11.20	41.86	8.00	107.00	47.46
CBG0IFRB	90.60	105.05	12.84	1.15	1.00	36.56	58.32	36.81	13.00	11.20	35.30	61.20	144.20	64.00
IRN00000	91.80	56.05	32.31	2.31	2.03	71.05	62.58	33.51	13.00	11.20	31.78	-4.10	97.00	23.81
COM0IFRB	92.30	44.10	-12.17	0.80	0.80	90.00	54.18	35.22	13.00	11.20	37.97	-7.30	95.50	33.41
MLD0IFRB	92.90	73.14	2.48	2.30	0.80	89.00	60.79	35.32	13.00	11.20	33.73	21.10	124.90	64.73
SEY0IFRB	94.30	55.40	-4.50	0.80	0.80	90.00	53.97	34.36	13.00	11.20	39.06	3.10	107.70	44.72
MLA00000	95.00	108.54	4.62	3.81	1.39	0.96	65.56	37.42	13.00	11.20	35.80	76.40	143.20	60.79
NPL0IFRB	95.50	84.25	27.84	1.37	1.00	168.43	54.80	31.55	13.00	11.20	27.93	30.30	137.60	52.03
ETH00000	96.20	41.59	10.33	2.67	1.33	79.07	61.91	33.92	13.00	11.20	35.26	-16.70	97.70	18.29
LSO0IFRB	96.90	28.40	-29.50	0.80	0.80	90.00	50.99	30.70	13.00	11.20	35.28	-40.10	96.90	10.04
CLN00000	97.30	80.08	7.67	0.80	0.80	90.00	54.07	33.08	13.00	11.20	39.37	28.10	131.90	67.54
ARS00000	102.70	47.95	23.18	2.91	1.38	68.81	60.24	32.32	13.00	11.20	31.62	-13.80	103.20	10.51
CHN00001	107.00	104.87	34.96	8.19	4.27	5.68	74.44	36.56	13.00	11.20	41.40	90.40	139.40	26.98
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	46.21	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	47.00	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	48.66	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.46	35.50	13.00	11.20	46.02	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	45.94	113.00	114.30	10.03
YMS00000	113.60	48.97	15.17	1.22	1.00	59.27	55.74	32.69	13.00	11.20	32.79	-16.40	114.40	10.83
MAC00000	115.50	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	28.44	64.70	162.40	63.94
AFG00000	116.80	68.30	33.60	2.17	1.00	35.11	57.06	31.91	13.00	11.20	26.63	8.40	128.30	19.28
LAO0IFRB	117.80	103.60	18.18	1.91	1.03	126.55	60.93	35.46	13.00	11.20	29.87	56.60	149.90	58.17
KOR00000	118.50	127.71	36.15	1.27	0.97	6.04	56.69	33.37	13.00	11.20	31.51	83.00	169.60	44.22
BTN0IFRB	120.30	90.45	27.22	0.80	0.80	90.00	50.81	30.75	13.00	11.20	29.69	34.30	146.60	42.96
MNG00000	121.10	104.14	46.86	3.53	1.13	5.03	60.43	32.48	13.00	11.20	32.26	60.40	148.90	25.53
OMA00000	122.10	55.56	21.59	1.85	1.00	64.05	56.25	31.84	13.00	11.20	28.71	-9.80	122.20	10.16
INS00000	125.00	118.78	-1.81	9.23	4.34	169.73	74.63	37.70	13.00	11.20	43.69	98.50	135.30	51.58
BGD00000	127.90	90.13	23.99	0.80	0.80	90.00	56.98	38.02	13.00	11.20	35.24	44.60	135.50	36.63
URS00003	139.50	134.99	52.69	7.50	3.50	6.34	68.76	33.85	13.00	11.20	33.86	138.50	140.60	6.17

PROVISIONAL CONSIDERATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
AUS00001	140.20	133.99	-24.45	6.55	5.48	151.20	74.35	37.91	13.00	11.20	40.73	102.20	148.10	40.01
AUS00002	140.20	163.31	-30.03	1.53	1.00	16.76	58.14	33.74	13.00	11.20	41.87	102.20	148.10	44.46
AUS00003	140.20	101.51	-11.47	1.24	1.00	14.76	54.06	31.34	13.00	11.20	30.52	102.20	148.10	38.47
AUS00004	140.20	158.97	-54.47	0.80	0.80	90.00	50.70	27.73	13.00	11.20	39.05	102.20	148.10	25.55
AUS00005	140.20	110.42	-66.27	0.80	0.80	90.00	50.70	28.12	13.00	11.20	39.27	102.20	148.10	11.94
TUV00000	142.60	179.16	-8.50	0.80	0.80	90.00	53.96	34.15	13.00	11.20	40.37	127.30	179.00	46.57
NRU0IFRB	143.60	166.90	-0.50	0.80	0.80	90.00	53.73	32.90	13.00	11.20	32.62	114.50	179.00	62.72
VTN00000	144.00	109.36	14.16	3.03	2.34	95.51	67.15	37.75	13.00	11.20	37.43	70.80	146.00	36.55
SLM0IFRB	148.40	158.99	-9.05	1.53	1.00	147.14	59.72	36.97	13.00	11.20	32.91	120.40	179.00	69.09
FJI0IFRB	149.90	178.50	-17.17	0.80	0.80	90.00	53.87	33.68	13.00	11.20	42.93	128.20	179.00	51.64
KIR0IFRB	151.70	173.00	1.00	0.80	0.80	90.00	53.71	32.80	13.00	11.20	39.97	120.60	179.00	65.02
VUT0IFRB	152.40	168.13	-17.25	1.18	1.00	115.97	58.48	36.86	13.00	11.20	38.18	127.40	179.00	59.30
KRE00000	152.90	127.72	39.95	1.37	1.00	19.48	59.62	37.23	13.00	11.20	30.11	95.40	161.70	34.97
BRU0IFRB	153.80	114.60	4.50	0.80	0.80	90.00	53.98	35.02	13.00	11.20	31.75	71.50	157.70	44.38
PNG00000	156.00	148.39	-6.65	3.30	2.26	166.05	66.92	37.29	13.00	11.20	37.38	114.20	179.00	69.43
J 00000	161.80	140.97	30.47	5.53	3.51	21.84	71.73	37.95	13.00	11.20	42.57	94.40	170.90	34.02
NZL00001	166.90	171.98	-46.74	3.98	1.42	64.06	62.52	33.06	13.00	11.20	51.32	150.90	179.00	3.47
NZL00002	166.90	194.98	-13.29	2.84	2.71	112.16	67.42	36.70	13.00	11.20	52.80	150.90	179.00	43.77

ANNEXE 4 - ANNEX 4 - ANEXO 4

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ABW00000	-61.60	-69.04	12.41	0.80	0.80	90.00	54.29	33.34	13.00	11.20	37.47	-119.40	-18.90	71.92
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	46.21	113.00	114.30	12.16
AFG00000	116.80	68.30	33.60	2.17	1.00	35.11	57.06	31.91	13.00	11.20	26.63	8.40	128.30	19.28
AFS00000	72.90	27.35	-30.18	5.28	1.36	127.87	64.13	33.39	13.00	11.20	36.93	-25.80	84.20	20.70
AGL0IFRB	66.80	17.53	-12.57	2.51	1.46	114.76	61.56	33.55	13.00	11.20	34.58	-37.20	74.10	25.51
ALB00000	-11.70	19.98	41.11	0.80	0.80	90.00	53.38	32.69	13.00	11.20	36.99	-29.90	69.80	31.36
ALG00000	32.00	3.66	27.90	3.46	2.40	40.05	64.27	32.92	13.00	11.20	36.16	-45.30	52.00	34.81
ALS00000	-164.10	-159.54	57.48	6.21	1.52	179.75	62.63	31.43	13.00	11.20	47.05	-169.80	-158.20	9.75
AND00000	-46.60	1.53	42.52	0.80	0.80	90.00	50.70	30.47	13.00	11.20	29.79	-48.60	51.70	21.38
ARG00000	-49.10	-61.87	-33.96	4.66	2.88	97.05	70.28	38.10	13.00	11.20	39.22	-58.40	-23.40	25.08
ARGINSUL	-49.10	-59.69	-57.61	3.72	1.27	153.26	59.49	31.40	13.00	11.20	40.44	-58.40	-23.40	7.96
ARS00000	102.70	47.95	23.18	2.91	1.38	68.81	60.24	32.32	13.00	11.20	31.62	-13.80	103.20	10.51
ASCSTHTC	-27.70	-11.38	-19.48	5.63	1.94	81.18	63.07	31.20	13.00	11.20	42.10	-38.50	-27.10	43.94
ATG0IFRB	-53.40	-61.80	17.00	0.80	0.80	90.00	53.68	32.70	13.00	11.20	32.71	-112.20	-11.40	67.82
ATN00000	-10.70	-65.66	15.08	1.36	1.00	56.81	59.85	37.62	13.00	11.20	36.92	-50.10	1.90	22.84
AUS00001	140.20	133.99	-24.45	6.55	5.48	151.20	74.35	37.91	13.00	11.20	40.73	102.20	148.10	40.01
AUS00002	140.20	163.31	-30.03	1.53	1.00	16.76	58.14	33.74	13.00	11.20	41.87	102.20	148.10	44.46
AUS00003	140.20	101.51	-11.47	1.24	1.00	14.76	54.06	31.34	13.00	11.20	30.52	102.20	148.10	38.47
AUS00004	140.20	158.97	-54.47	0.80	0.80	90.00	50.70	27.73	13.00	11.20	39.05	102.20	148.10	25.55
AUS00005	140.20	110.42	-66.27	0.80	0.80	90.00	50.70	28.12	13.00	11.20	39.27	102.20	148.10	11.94
AUT00000	-15.80	13.60	47.64	0.80	0.80	90.00	52.99	32.82	13.00	11.20	32.70	-27.90	55.40	26.37
AZR00000	20.40	-28.25	38.58	0.80	0.80	90.00	52.25	31.76	13.00	11.20	35.62	-57.40	21.10	20.56
B 00001	-71.00	-62.74	-5.90	4.12	3.99	43.79	70.68	37.62	13.00	11.20	34.99	-97.00	-31.20	64.88
B 00002	-77.00	-46.18	-6.29	4.19	3.73	112.55	70.65	37.81	13.00	11.20	35.08	-84.70	-13.50	38.48
B 00003	-38.60	-49.16	-20.97	3.97	3.44	91.92	70.03	37.77	13.00	11.20	36.15	-88.80	-15.20	47.65
BAH0IFRB	-50.60	-75.58	24.08	1.38	1.00	120.00	59.48	36.47	13.00	11.20	33.83	-121.10	-32.20	45.27
BDI00000	63.90	29.98	-3.39	0.80	0.80	90.00	50.70	30.04	13.00	11.20	27.99	-30.50	90.40	49.00
BEL00000	-51.20	4.11	50.31	0.80	0.80	90.00	50.70	30.61	13.00	11.20	29.83	-53.60	62.00	11.43
BEN00000	8.90	2.34	9.29	1.28	1.00	83.25	58.78	36.81	13.00	11.20	39.46	-40.20	44.70	73.86
BERCAYMS	-27.70	-68.27	22.55	3.62	1.99	48.51	67.64	38.17	13.00	11.20	40.43	-38.50	-27.10	26.31
BFA00000	-52.20	-1.93	12.20	1.07	0.99	81.08	58.51	37.36	13.00	11.20	34.16	-54.60	46.20	26.97
BGD00000	127.90	90.13	23.99	0.80	0.80	90.00	56.98	38.02	13.00	11.20	35.24	44.60	135.50	36.63
BHR00000	72.30	50.60	26.07	0.80	0.80	90.00	50.70	27.61	13.00	11.20	32.27	-18.60	119.80	51.13
BLZ00000	-134.00	-88.63	17.24	0.80	0.80	90.00	54.78	35.82	13.00	11.20	42.13	-138.40	-38.70	34.44
BOL00000	-95.10	-65.09	-17.07	2.38	2.00	91.33	65.16	37.48	13.00	11.20	34.55	-97.30	-23.20	42.11
BOT00000	-41.40	25.01	-21.75	1.44	1.00	70.05	56.07	32.44	13.00	11.20	34.39	-41.70	89.90	10.35
BRB0IFRB	-95.80	-59.60	13.17	0.80	0.80	90.00	53.96	34.30	13.00	11.20	30.91	-110.80	-8.40	45.73
BRM0IFRB	69.20	96.69	18.76	3.21	1.37	165.70	64.92	37.59	13.00	11.20	33.12	57.60	131.00	44.75
BRU0IFRB	153.80	114.60	4.50	0.80	0.80	90.00	53.98	35.02	13.00	11.20	31.75	71.50	157.70	44.38
BTN0IFRB	120.30	90.45	27.22	0.80	0.80	90.00	50.81	30.75	13.00	11.20	29.69	34.30	146.60	42.96
BUL00000	69.60	25.24	42.91	0.80	0.80	90.00	54.24	33.75	13.00	11.20	29.16	-20.60	71.50	21.28
CAF00000	-0.40	21.28	6.41	2.42	1.71	14.07	64.39	37.33	13.00	11.20	39.31	-24.80	57.60	56.97
CANDEAST	-81.40	-73.56	50.25	4.63	2.41	168.36	65.74	33.18	13.00	11.20	37.33	-108.00	-54.90	13.09
CANDCENT	-101.50	-95.03	51.31	4.07	2.31	161.21	64.74	33.03	13.00	11.20	37.50	-115.10	-101.00	10.03
CANDWEST	-116.30	-120.18	57.41	3.08	1.83	171.68	60.27	31.35	13.00	11.20	35.26	-119.00	-113.70	10.13
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	73.23	38.35	13.00	11.20	52.29	-169.80	-158.20	16.15
CBG0IFRB	90.60	105.05	12.84	1.15	1.00	36.56	58.32	36.81	13.00	11.20	35.30	61.20	144.20	64.00
CHL00000	-84.10	-84.47	-32.69	7.71	6.46	169.96	67.89	31.56	13.00	11.20	32.96	-96.40	-53.60	11.21
CHN00001	107.00	104.87	34.96	8.19	4.27	5.68	74.44	36.56	13.00	11.20	41.40	90.60	139.40	26.98
CHN00002	76.80	113.99	16.28	6.38	1.95	91.57	67.99	37.78	13.00	11.20	33.51	75.90	151.30	31.71
CLM00000	-39.90	-73.50	5.46	3.59	1.91	156.68	66.94	37.68	13.00	11.20	34.19	-110.10	-39.90	46.03
CLN00000	97.30	80.08	7.67	0.80	0.80	90.00	54.07	33.08	13.00	11.20	39.37	28.10	131.90	67.04

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CME00000	26.30	13.00	6.29	2.50	1.82	82.38	64.74	37.26	13.00	11.20	34.16	-27.30	51.20	68.00
CNR00000	-56.30	-15.95	28.56	0.80	0.80	90.00	50.70	29.69	13.00	11.20	33.16	-61.10	50.70	32.40
COG0IFRB	-22.60	14.76	-0.53	1.91	1.00	66.39	61.13	37.42	13.00	11.20	36.88	-24.70	56.50	42.35
COM0IFRB	92.30	44.10	-12.17	0.80	0.80	90.00	54.18	35.22	13.00	11.20	37.97	-7.30	95.50	33.41
CPV0IFRB	-79.20	-24.10	16.00	0.80	0.80	90.00	50.70	29.11	13.00	11.20	29.73	-94.70	46.50	25.53
CTI00000	30.20	-5.84	7.77	1.29	0.99	74.67	59.07	37.11	13.00	11.20	37.96	-46.50	35.60	44.71
CTR00000	-125.40	-86.06	8.25	1.10	0.98	78.75	58.36	37.13	13.00	11.20	41.42	-125.40	-44.00	40.01
CUB00000	-96.80	-79.66	21.02	1.91	0.98	169.21	60.96	35.90	13.00	11.20	36.63	-123.50	-36.10	54.92
CVA00000	11.20	12.50	41.88	0.80	0.80	90.00	50.70	29.63	13.00	11.20	31.91	-38.10	63.10	41.62
CYP00000	-19.90	33.20	35.10	0.80	0.80	90.00	52.20	31.59	13.00	11.20	34.78	-21.50	87.90	21.33
CYPSBA00	46.80	32.95	34.58	0.80	0.80	90.00	50.70	29.56	13.00	11.20	30.20	-44.70	59.20	47.18
D 00000	22.00	9.76	50.64	1.01	0.93	30.90	52.74	31.38	13.00	11.20	29.61	-30.40	53.10	26.08
DDR00000	29.60	12.89	51.67	0.80	0.80	90.00	51.23	31.50	13.00	11.20	28.84	-26.80	51.70	26.03
DJI0IFRB	77.20	42.60	11.67	0.80	0.80	90.00	50.70	28.12	13.00	11.20	28.40	-28.40	113.60	47.90
DMA0IFRB	-57.90	-61.30	15.33	0.80	0.80	90.00	53.53	32.57	13.00	11.20	33.34	-112.10	-10.50	71.57
DNK00001	-21.40	10.93	55.91	0.80	0.80	90.00	51.50	31.87	13.00	11.20	31.41	-40.80	62.20	18.68
DNK00002	-35.90	10.91	55.73	0.80	0.80	90.00	51.45	31.58	13.00	11.20	34.34	-40.80	-30.20	12.46
DNK00FAR	-35.90	-7.18	61.74	0.80	0.80	90.00	50.70	29.84	13.00	11.20	36.64	-40.80	-30.20	15.41
DOM0IFRB	-45.20	-70.40	18.67	0.80	0.80	90.00	53.84	33.51	13.00	11.20	32.08	-120.30	-20.50	53.90
E 00002	-56.30	-4.52	40.38	1.52	1.00	140.54	59.89	35.06	13.00	11.20	39.89	-61.10	50.70	13.50
EGY00000	-6.90	29.17	26.28	2.42	1.53	131.90	58.36	31.12	13.00	11.20	34.00	-33.70	93.30	32.77
EQA00000	-93.40	-82.85	-1.37	3.33	1.44	173.06	64.98	37.27	13.00	11.20	36.68	-122.10	-39.20	68.64
ETH00000	96.20	41.59	10.33	2.67	1.33	79.07	61.91	33.92	13.00	11.20	35.26	-16.70	97.70	18.29
F 00000	-1.30	3.03	45.90	2.13	1.10	167.59	59.78	33.67	13.00	11.20	33.66	-13.90	5.70	31.52
FJI0IFRB	149.90	178.50	-17.17	0.80	0.80	90.00	53.87	33.68	13.00	11.20	42.93	128.20	179.00	51.64
FLKSTGGL	-27.70	-45.43	-59.62	3.84	1.31	165.75	59.86	31.45	13.00	11.20	34.95	-38.50	-27.10	5.13
FNL00000	25.30	25.08	61.61	1.16	1.00	7.12	53.18	31.01	13.00	11.20	33.55	7.10	46.80	11.38
G 00000	-27.70	-3.65	54.10	1.56	1.00	153.79	55.70	31.95	13.00	11.20	35.15	-38.50	-27.10	17.50
GAB0IFRB	52.50	12.09	-0.87	1.28	1.00	82.02	59.17	37.20	13.00	11.20	37.22	-30.00	52.80	39.55
GDL00000	-1.30	-61.97	16.31	0.80	0.80	90.00	55.78	36.82	13.00	11.20	35.11	-13.90	5.70	18.47
GDL00002	-116.90	-61.76	16.40	0.80	0.80	90.00	56.22	37.26	13.00	11.20	36.53	-123.20	-81.20	24.65
GHA00000	-40.30	-1.58	7.99	1.32	1.00	100.22	59.29	37.19	13.00	11.20	34.89	-41.70	39.30	41.65
GIB00000	46.80	-5.35	36.15	0.80	0.80	90.00	52.11	31.52	13.00	11.20	31.53	44.70	59.20	21.62
GMB00000	-32.70	-16.40	13.40	0.80	0.80	90.00	50.70	28.96	13.00	11.20	31.65	-77.30	44.50	65.41
GNB0IFRB	11.80	-15.40	12.00	0.80	0.80	90.00	50.70	29.24	13.00	11.20	36.84	-76.50	45.70	55.55
GNE0IFRB	-29.70	10.50	1.67	0.80	0.80	90.00	54.00	35.04	13.00	11.20	33.78	-32.80	53.80	43.48
GRC00000	27.10	24.78	38.24	1.62	1.09	166.04	58.28	33.41	13.00	11.20	34.00	-24.40	71.40	41.78
GRD0IFRB	-22.20	-61.60	12.00	0.80	0.80	90.00	54.01	34.66	13.00	11.20	33.17	-113.00	-10.20	42.73
GRL00000	-35.90	-39.54	67.59	2.13	1.00	0.94	57.23	32.20	13.00	11.20	45.56	-40.80	-30.20	1.75
GTM00000	-92.40	-90.40	15.76	0.81	0.99	149.95	56.49	34.53	13.00	11.20	32.22	-139.30	-41.40	68.93
GUF00000	-1.30	-53.17	4.30	0.80	0.80	90.00	55.32	36.36	13.00	11.20	40.08	-13.90	5.70	29.53
GUF00002	-116.90	-53.29	4.30	0.80	0.80	90.00	55.57	36.61	13.00	11.20	37.40	-123.20	-81.20	16.59
GUI0IFRB	-3.90	-11.02	10.22	1.59	1.23	155.84	60.83	37.02	13.00	11.20	34.93	-51.80	33.80	71.39
GUMMRA00	-164.10	-213.93	16.62	1.70	0.99	78.93	60.84	37.68	13.00	11.20	48.80	-169.80	-158.20	26.41
GUY00000	-46.00	-59.14	4.73	1.44	1.00	99.66	59.41	36.93	13.00	11.20	37.70	-100.10	-18.30	70.82
HKG00000	46.80	114.50	22.42	0.80	0.80	90.00	54.64	35.68	13.00	11.20	34.72	44.70	59.20	12.04
HND00000	-117.80	-86.19	15.41	1.06	0.99	39.16	58.06	36.95	13.00	11.20	37.32	-123.80	-48.10	45.98
HNG00000	35.00	19.55	47.22	0.80	0.80	90.00	52.83	32.82	13.00	11.20	28.99	-22.20	62.40	32.19
HOL00000	-10.70	5.35	52.30	0.80	0.80	90.00	50.70	29.13	13.00	11.20	30.63	-50.10	1.90	26.30
HTI0IFRB	-68.90	-73.00	18.83	0.80	0.80	90.00	53.69	32.72	13.00	11.20	33.10	-122.90	-23.10	67.42
HWA00000	-164.10	-157.61	20.74	1.24	1.00	157.70	58.70	36.86	13.00	11.20	69.14	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	0.80	0.80	90.00	53.42	32.49	13.00	11.20	60.84	-169.80	-158.20	75.33

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I 00000	40.30	13.06	40.83	1.69	1.33	56.75	58.22	32.58	13.00	11.20	27.00	-32.90	54.10	27.84
IND00000	80.00	83.12	18.85	6.12	5.06	113.98	73.58	37.78	13.00	11.20	37.36	51.30	116.40	46.77
INS00000	125.00	118.78	-1.81	9.23	4.34	169.73	74.63	37.70	13.00	11.20	43.69	98.50	135.30	51.58
IRL00000	13.10	-8.24	53.17	0.80	0.80	90.00	51.13	31.31	13.00	11.20	36.15	-41.00	25.70	24.24
IRN00000	91.80	56.05	32.31	2.31	2.03	71.05	62.58	33.51	13.00	11.20	31.78	-4.10	97.00	23.81
IRQ00000	82.60	44.48	33.12	1.43	1.15	43.03	56.85	32.55	13.00	11.20	29.18	-8.00	95.90	29.95
ISL00000	-9.20	-18.82	65.60	0.80	0.80	90.00	50.92	31.11	13.00	11.20	39.82	-53.00	14.80	14.76
ISR00000	10.20	34.97	31.32	0.80	0.80	90.00	53.17	32.61	13.00	11.20	37.32	-20.40	90.80	42.97
J 00000	161.80	140.97	30.47	5.53	3.51	21.84	71.73	37.95	13.00	11.20	42.57	94.40	170.90	34.02
JAR00000	-164.10	-160.00	-0.38	0.80	0.80	90.00	53.35	32.42	13.00	11.20	58.79	-169.80	-158.20	85.15
JMC00000	-76.00	-77.59	18.18	0.80	0.80	90.00	53.75	32.77	13.00	11.20	35.29	-127.50	-27.80	68.19
JON00000	-164.10	-168.50	17.00	0.80	0.80	90.00	50.70	27.52	13.00	11.20	64.32	-169.80	-158.20	69.41
JOR00000	55.30	36.70	31.26	0.80	0.80	90.00	50.70	31.09	13.00	11.20	33.66	-28.80	102.90	46.72
KEN00000	85.00	38.48	0.87	2.07	1.12	92.77	58.87	32.97	13.00	11.20	32.71	-19.80	95.70	31.47
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	47.00	113.00	114.30	10.90
KIR0IFRB	151.70	173.00	1.00	0.80	0.80	90.00	53.71	32.80	13.00	11.20	39.97	120.60	179.00	65.02
KOR00000	118.50	127.71	36.15	1.27	0.97	6.04	56.69	33.37	13.00	11.20	31.51	83.00	169.60	44.22
KRE00000	152.90	127.72	39.95	1.37	1.00	19.48	59.62	37.23	13.00	11.20	30.11	95.40	161.70	34.97
KWT00000	15.20	47.89	29.22	0.80	0.80	90.00	50.70	28.76	13.00	11.20	39.19	-20.20	115.30	40.24
LAO0IFRB	117.80	103.60	18.18	1.91	1.03	126.55	60.93	35.46	13.00	11.20	29.87	56.60	149.90	58.17
LBN00000	-13.00	35.80	33.83	0.80	0.80	90.00	50.70	29.13	13.00	11.20	29.94	-31.60	103.20	25.32
LBR00000	3.40	-9.10	6.36	1.02	0.99	141.92	57.61	36.67	13.00	11.20	34.44	-50.40	35.50	70.79
LBY00000	17.80	18.94	26.00	3.26	2.53	156.24	63.07	32.02	13.00	11.20	29.71	-31.20	67.20	50.96
LIE00000	54.60	9.50	47.20	0.80	0.80	90.00	50.70	29.93	13.00	11.20	32.21	-36.50	55.50	20.52
LSO0IFRB	96.90	28.40	-29.50	0.80	0.80	90.00	50.99	30.70	13.00	11.20	35.28	-40.10	96.90	10.04
LUX00000	46.10	5.91	49.85	0.80	0.80	90.00	50.70	29.01	13.00	11.20	28.97	-53.90	66.10	21.24
MAC00000	115.50	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	28.44	64.70	162.40	63.94
MAU0IFRB	88.80	57.50	-20.17	0.80	0.80	90.00	53.94	34.11	13.00	11.20	41.86	8.00	107.00	47.46
MCO00000	-40.80	7.40	43.67	0.80	0.80	90.00	54.44	33.68	13.00	11.20	33.85	-41.80	56.60	20.70
MDG0IFRB	47.20	46.53	-18.43	2.70	1.14	78.84	62.97	37.19	13.00	11.20	36.68	10.40	81.10	59.89
MDR00000	20.40	-16.14	31.55	0.80	0.80	90.00	50.70	30.32	13.00	11.20	32.36	-57.40	21.20	34.91
MDW00000	-164.10	-177.42	28.22	0.80	0.80	90.00	50.70	27.79	13.00	11.20	60.30	-169.80	-158.20	53.92
MEX00000	-85.70	-102.29	23.15	5.21	2.57	164.46	69.98	36.39	13.00	11.20	40.32	-136.10	-61.00	40.34
MLA00000	95.00	108.54	4.62	3.81	1.39	0.96	65.56	37.42	13.00	11.20	35.80	76.40	143.20	60.79
MLD0IFRB	92.90	73.14	2.48	2.30	0.80	89.00	60.79	35.32	13.00	11.20	33.73	21.10	124.90	64.73
MLI0IFRB	-59.90	-5.41	17.70	2.47	1.38	106.04	64.18	37.96	13.00	11.20	38.78	-59.90	43.30	16.50
MLT00000	65.70	14.33	35.93	0.80	0.80	90.00	52.32	31.67	13.00	11.20	30.26	-39.80	68.50	22.21
MNG00000	121.10	104.14	46.86	3.53	1.13	5.03	60.43	32.48	13.00	11.20	32.26	60.40	148.90	25.53
MOZ0IFRB	40.00	34.57	-17.17	3.51	1.83	66.10	66.29	35.31	13.00	11.20	37.11	-10.60	90.60	57.74
MRC00000	-19.30	-8.69	29.20	3.73	1.21	45.08	60.17	31.78	13.00	11.20	38.00	-56.80	48.50	45.34
MRL00000	-164.10	-184.75	8.75	2.35	1.53	96.04	63.78	37.33	13.00	11.20	62.79	-169.80	-158.20	57.90
MTN0IFRB	-72.60	-10.75	20.45	2.19	1.00	109.60	60.76	34.64	13.00	11.20	35.73	-72.80	44.20	11.23
MWI0IFRB	57.90	34.11	-13.34	1.57	1.00	109.12	54.61	30.98	13.00	11.20	32.05	-25.00	93.70	56.99
MYT00000	-1.30	45.21	-12.83	0.80	0.80	90.00	54.16	35.20	13.00	11.20	39.87	-13.90	5.70	35.01
NCG0IFRB	-104.10	-84.88	12.94	1.04	0.96	157.10	57.79	36.90	13.00	11.20	36.09	-124.40	-45.90	60.25
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	48.66	113.00	114.30	24.44
NGR0IFRB	-23.70	7.85	17.25	2.38	2.11	17.56	60.78	31.93	13.00	11.20	33.60	-54.50	64.60	40.00
NIG00000	47.60	7.93	9.81	2.38	1.47	49.54	63.98	37.64	13.00	11.20	36.58	-29.60	49.60	37.98
NMB0IFRB	-33.00	17.66	-21.03	2.63	1.33	67.81	59.02	31.84	13.00	11.20	33.27	-45.40	82.50	22.29
NOR00000	8.40	11.93	63.85	2.10	1.00	15.95	57.38	32.36	13.00	11.20	34.57	2.90	29.10	3.21
NPL0IFRB	95.50	84.25	27.84	1.37	1.00	168.43	54.80	31.55	13.00	11.20	27.93	30.30	137.60	52.03
NRU0IFRB	143.60	166.90	-0.50	0.80	0.80	90.00	53.73	32.90	13.00	11.20	32.62	114.50	179.00	62.72

DOCUMENTATION

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NZL00001	166.90	171.98	-46.74	3.98	1.42	64.06	62.52	33.06	13.00	11.20	51.32	150.90	179.00	3.47
NZL00002	166.90	194.98	-13.29	2.84	2.71	112.16	67.42	36.70	13.00	11.20	52.80	150.90	179.00	43.77
OCE00000	-116.90	-141.90	-16.04	3.55	2.39	139.60	67.74	35.77	13.00	11.20	49.03	-123.20	-81.20	45.85
OMA00000	122.10	55.56	21.59	1.85	1.00	64.05	56.25	31.84	13.00	11.20	28.71	-9.80	122.20	10.16
PAK00000	39.30	69.55	29.79	2.31	2.06	16.53	65.24	35.44	13.00	11.20	39.75	38.40	112.10	30.73
PHL0IFRB	84.60	121.14	11.36	3.32	1.40	101.76	65.36	37.79	13.00	11.20	33.32	83.00	159.80	40.79
PLM00000	-164.10	-161.42	7.00	0.80	0.80	90.00	53.35	32.43	13.00	11.20	65.74	-169.80	-158.20	81.18
PNG00000	156.00	148.39	-6.65	3.30	2.26	166.05	66.92	37.29	13.00	11.20	37.38	114.20	179.00	69.43
PNR0IFRB	-52.60	-80.15	8.62	1.05	1.00	11.03	57.94	36.83	13.00	11.20	35.90	-120.00	-40.40	53.26
POL00000	-5.90	18.39	51.18	1.34	0.97	157.34	54.59	31.69	13.00	11.20	31.22	-14.80	56.40	22.64
POR00000	20.40	-7.95	39.50	0.80	0.80	90.00	53.17	33.03	13.00	11.20	31.68	-57.40	21.10	33.26
PRG00000	-26.70	-58.46	-23.22	1.83	1.00	133.47	60.93	37.41	13.00	11.20	33.56	-90.40	-23.20	41.95
PRU00000	-110.20	-74.63	-8.39	3.44	1.94	97.20	66.93	37.79	13.00	11.20	40.81	-120.40	-38.20	40.17
PTC00000	-59.50	-130.10	-25.07	0.80	0.80	90.00	50.70	28.62	13.00	11.20	33.51	-62.60	-58.50	8.92
QAT00000	56.40	51.55	25.45	0.80	0.80	90.00	50.70	28.00	13.00	11.20	34.50	-16.90	120.00	58.82
REU00000	-1.30	55.57	-21.12	0.80	0.80	90.00	54.44	35.48	13.00	11.20	42.37	-13.90	5.70	22.14
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.46	35.50	13.00	11.20	46.02	113.00	114.30	21.57
ROU00000	50.40	25.47	45.51	1.33	0.96	8.08	55.72	32.58	13.00	11.20	30.13	-16.40	66.50	28.27
RRW00000	-12.20	29.74	-1.89	0.80	0.80	90.00	50.70	29.81	13.00	11.20	37.91	-30.90	90.80	40.24
S 00000	43.00	18.18	60.63	1.89	0.99	27.98	56.80	32.26	13.00	11.20	31.56	-7.00	47.10	10.69
SCN0IFRB	-90.10	-62.90	17.33	0.80	0.80	90.00	53.86	33.58	13.00	11.20	38.64	-113.20	-12.60	52.87
SDN00001	-31.90	28.32	10.25	2.44	1.00	108.12	62.87	38.10	13.00	11.20	42.59	-31.90	92.90	13.58
SDN00002	-31.90	28.14	16.44	2.39	1.08	105.63	58.71	32.66	13.00	11.20	38.41	-31.90	92.90	10.05
SEN00000	-9.90	-14.13	13.72	1.26	1.07	155.58	58.99	34.79	13.00	11.20	32.10	-64.40	34.30	69.81
SEY0IFRB	94.30	55.40	-4.50	0.80	0.80	90.00	53.97	34.36	13.00	11.20	39.06	3.10	107.70	44.72
SLM0IFRB	148.40	158.99	-9.05	1.53	1.00	147.14	59.72	36.97	13.00	11.20	32.91	120.40	179.00	69.09
SLV0IFRB	-48.30	-89.00	13.67	0.80	0.80	90.00	54.04	35.08	13.00	11.20	36.29	-130.50	-47.50	40.89
SMA00000	-164.10	-170.70	-14.22	0.80	0.80	90.00	50.70	27.51	13.00	11.20	40.62	-169.80	-158.20	71.62
SMO00000	-124.90	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	44.49	-175.00	-121.70	33.38
SMR00000	-24.90	12.46	43.93	0.80	0.80	90.00	50.92	30.64	13.00	11.20	33.46	-36.40	61.40	27.12
SNG00000	88.40	103.85	1.28	0.80	0.80	90.00	53.65	34.69	13.00	11.20	27.79	60.60	147.10	71.79
SOM0IFRB	7.90	44.75	6.33	3.16	1.27	76.30	59.28	31.52	13.00	11.20	39.15	-20.00	102.70	38.82
SPM00000	-1.30	-56.40	46.96	0.80	0.80	90.00	53.27	32.40	13.00	11.20	40.52	-13.90	5.70	14.52
SRL0IFRB	-18.50	-11.90	8.50	0.80	0.80	90.00	53.39	32.46	13.00	11.20	36.54	-63.80	40.00	77.36
STP0IFRB	36.00	7.00	1.00	0.80	0.80	90.00	53.81	33.32	13.00	11.20	35.21	-45.40	59.40	56.16
SUI00000	-31.20	7.94	46.49	0.80	0.80	90.00	51.30	31.09	13.00	11.20	32.04	-35.90	52.70	22.71
SUR0IFRB	-29.30	-55.50	3.87	0.95	0.98	154.06	57.40	36.81	13.00	11.20	36.08	-97.00	-15.00	56.09
SWZ00000	55.00	31.29	-26.35	0.80	0.80	90.00	50.70	29.40	13.00	11.20	31.86	-26.80	89.20	49.00
SYR00000	74.90	39.04	34.90	1.34	0.98	31.72	56.05	32.68	13.00	11.20	33.43	-15.50	91.50	31.46
TCD0IFRB	62.90	19.24	15.59	3.24	1.23	72.29	64.67	37.77	13.00	11.20	35.97	-36.50	67.50	31.39
TCH00000	15.90	17.41	49.65	1.33	1.00	173.36	55.06	31.92	13.00	11.20	31.07	-21.30	54.40	31.53
TGO00000	-2.10	0.85	8.57	1.12	1.00	113.59	58.09	36.70	13.00	11.20	36.40	-41.00	43.40	76.65
THA00000	60.70	100.44	12.93	2.77	1.27	103.03	64.01	37.65	13.00	11.20	34.11	58.60	137.20	36.56
TON0IFRB	-133.60	-175.17	-21.17	0.80	0.80	90.00	54.12	35.16	13.00	11.20	47.61	-175.00	-126.00	37.34
TRD00000	-86.90	-61.05	10.80	0.80	0.80	90.00	53.91	33.32	13.00	11.20	33.62	-112.30	-9.90	56.97
TUN00000	57.50	10.48	33.20	1.44	1.00	55.93	57.78	33.66	13.00	11.20	33.28	-42.50	62.00	23.67
TUR00000	0.30	34.06	38.79	2.48	1.00	165.64	60.95	34.40	13.00	11.20	34.10	-7.30	77.10	25.46
TUV00000	142.60	179.16	-8.50	0.80	0.80	90.00	53.96	34.15	13.00	11.20	40.37	127.30	179.00	46.57
TZA0IFRB	70.30	35.43	-5.93	2.41	1.43	117.15	59.63	32.26	13.00	11.20	34.00	-21.30	91.40	42.83
UAE00000	66.30	53.79	24.80	1.12	0.99	12.01	51.22	29.56	13.00	11.20	30.59	-12.70	120.30	56.48
UGA0IFRB	35.40	32.18	0.96	1.47	1.01	69.45	54.51	31.05	13.00	11.20	31.11	-27.20	91.60	83.26
URG00000	-78.60	-56.34	-33.56	1.08	0.98	46.66	54.18	31.92	13.00	11.20	29.28	-108.90	-3.50	42.29

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 7-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 7-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 7-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

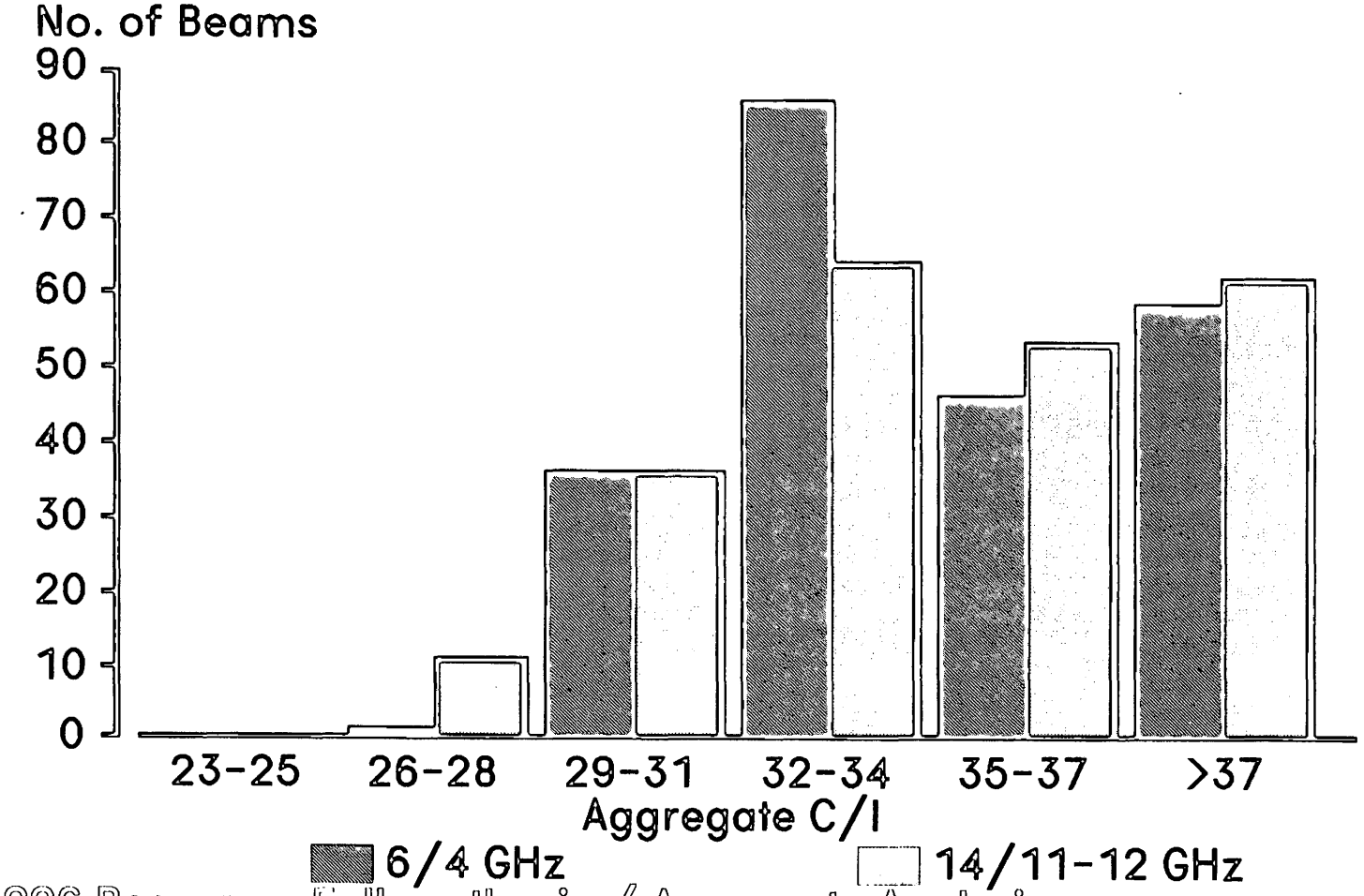
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
URS00001	61.80	57.82	48.27	7.50	3.50	178.29	68.80	33.85	13.00	11.20	33.88	56.70	65.40	8.58
URS00002	87.70	94.84	48.65	7.50	3.50	174.60	70.65	33.85	13.00	11.20	33.52	87.70	98.00	7.01
URS00003	139.50	134.99	52.69	7.50	3.50	6.34	68.76	33.85	13.00	11.20	33.86	138.50	140.60	6.17
USA00000	-65.00	-88.00	36.49	6.68	3.57	10.05	73.08	36.86	13.00	11.20	44.67	-130.30	-63.50	11.00
USAVIPRT	-65.00	-64.50	17.75	0.80	0.80	90.00	53.63	32.65	13.00	11.20	38.68	-130.30	-63.50	69.16
VCT0IFRB	-108.60	-61.10	13.17	0.80	0.80	90.00	54.17	35.21	13.00	11.20	29.69	-112.30	-9.90	33.93
VEN00001	-102.50	-66.57	6.90	2.55	1.73	124.14	64.88	37.54	13.00	11.20	36.01	-102.50	-24.70	40.07
VEN00002	-102.50	-63.62	15.67	0.80	0.80	90.00	54.03	34.67	13.00	11.20	36.15	-102.50	-24.70	42.11
VTN00000	144.00	109.36	14.16	3.03	2.34	95.51	67.15	37.75	13.00	11.20	37.43	70.80	146.00	36.55
VUT0IFRB	152.40	168.13	-17.25	1.18	1.00	115.97	58.48	36.86	13.00	11.20	38.18	127.40	179.00	59.30
WAK00000	-164.10	-193.50	19.20	0.80	0.80	90.00	50.70	27.88	13.00	11.20	56.40	-169.80	-158.20	49.76
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	45.94	113.00	114.30	10.03
YEM0IFRB	71.10	44.71	14.84	1.06	1.00	60.24	51.57	29.93	13.00	11.20	32.62	-24.30	113.20	52.09
YMS00000	113.60	48.97	15.17	1.22	1.00	59.27	55.74	32.69	13.00	11.20	32.79	-16.40	114.40	10.83
YUG00000	4.70	17.98	43.99	1.49	1.00	156.67	56.51	32.66	13.00	11.20	31.12	-25.80	60.20	34.62
ZAI0IFRB	19.70	23.53	-4.55	4.25	3.86	12.30	70.50	37.46	13.00	11.20	37.81	-23.60	62.60	70.27
ZMB0IFRB	80.90	28.36	-12.82	1.62	1.07	86.60	56.70	32.34	13.00	11.20	30.89	-27.90	82.50	21.61
ZWE00000	2.90	29.72	-18.89	1.51	1.31	8.96	55.12	30.64	13.00	11.20	34.72	-27.00	85.50	48.30

WRC CONFERENCE

7-1-1-4

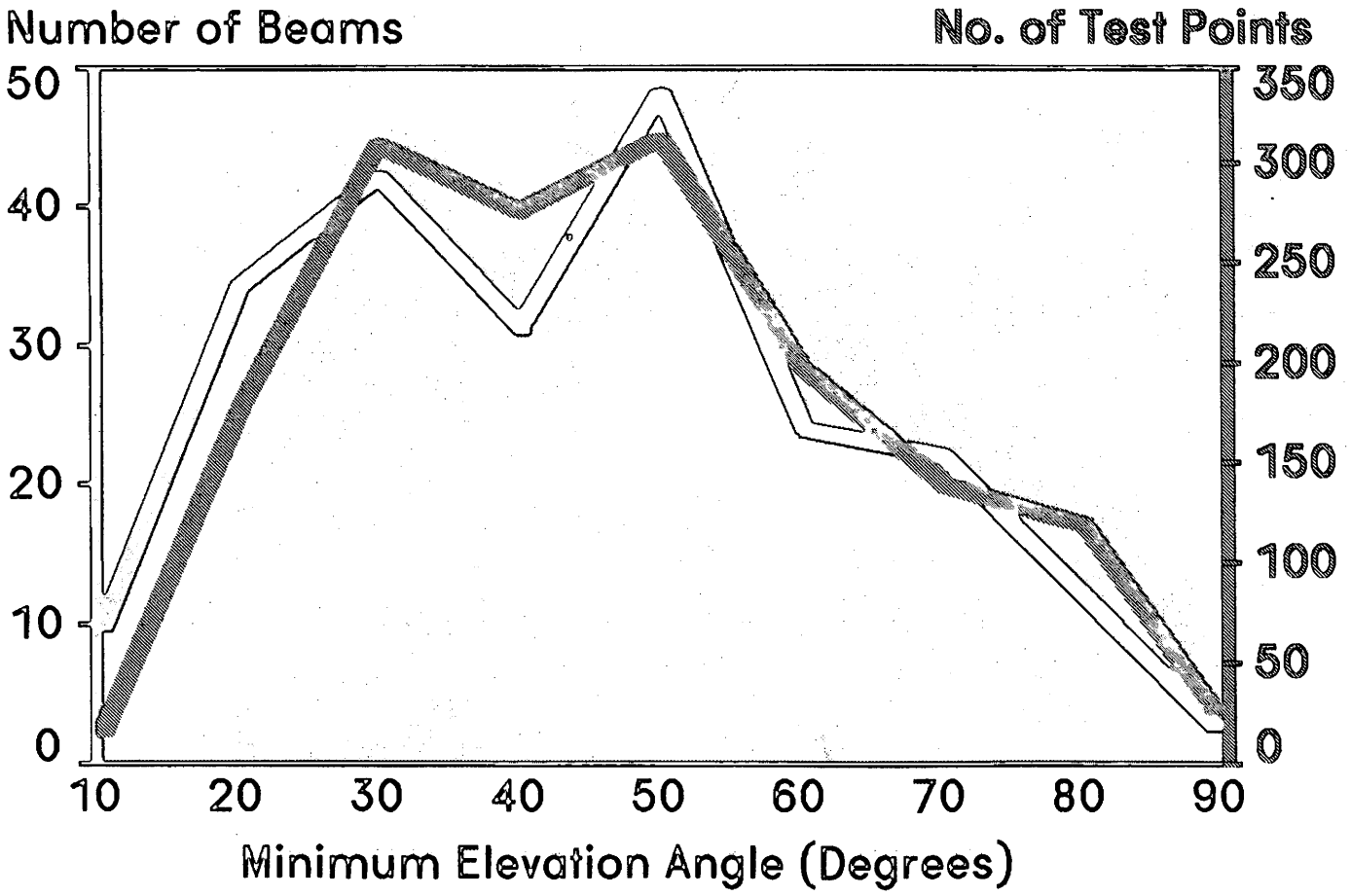
Second Draft Plan



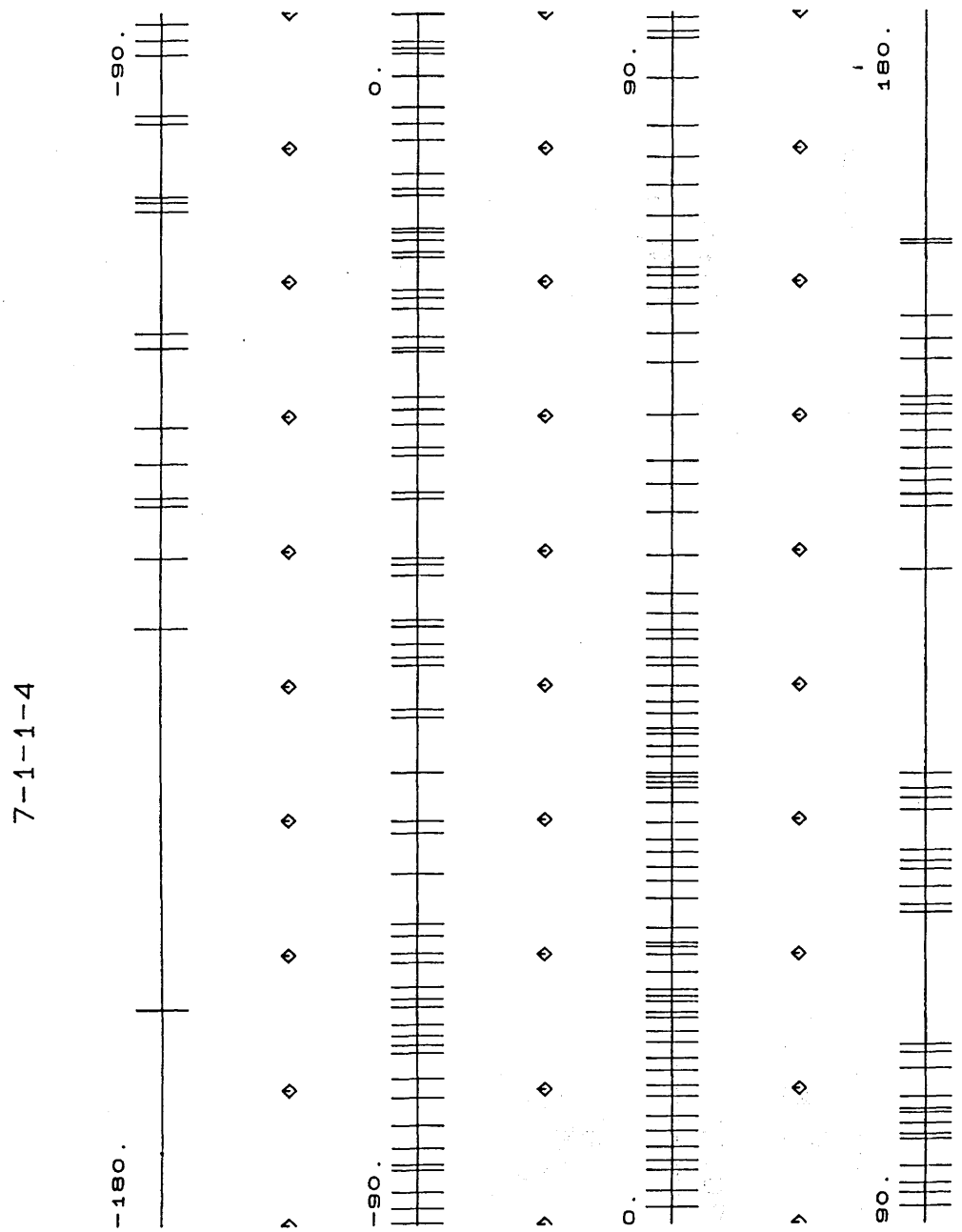
226 Beams. Full synthesis / Aggregate Analysis.

7-1-1-4

Second Draft Plan



ANNEXE 7 - ANNEX 7 - ANEXO 7



7-1-1-4

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 307-E
20 September 1988
Original: English

COMMITTEE 4

Note by the Secretary-General

IFRB REPORT

RESULTS FOR THE THIRD DRAFT PLAN

At the request of the Chairman of Sub-Working Group 4-B-1, I have the honour to transmit to the Conference a copy of the results for the third draft Plan.

R.E. BUTLER
Secretary-General

Attachment

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

IFRB REPORT

THIRD DRAFT PLAN

At the request of the Chairman of Sub-Working Group 4-B-1, the IFRB prepared the third draft Plan. This third draft Plan is identified as Plan 6-1-1-4 to indicate:

a) the updated requirements (Document 230(Rev.3)), (6)

b) no predetermined arc, (1)

c) multi-band plan, (1)

d) new technical parameters, including a satellite antenna pointing accuracy of 0.1 degrees. (4)

Annex 1 - Report 6-1-1-4 (6/4 GHz) sorted by orbital position

Annex 2 - Report 6-1-1-4 (6/4 GHz) sorted by beam name

Annex 3 - Report 6-1-1-4 (14/11-12 GHz) sorted by orbital position

Annex 4 - Report 6-1-1-4 (14/11-12 GHz) sorted by beam name

Annex 5 - Histogram showing the results for the two sets of bands

Annex 6 - Curves showing the minimum elevation angles resulting from this draft Plan

Annex 7 - A plot showing the distribution of the allotments on the geostationary orbit.

This draft Plan was obtained in Sub-Working Group 4-B-1 by performing a number of manual modifications to improve the results.

ANNEXES 1, 2, 3 AND 4

COLUMN	DESCRIPTION
1.	Beam Name
2.	Orbital Position (decimal degrees)
3.	Ellipse Boresight Longitude (decimal degrees)
4.	Ellipse Boresight Latitude (decimal degrees)
5.	Ellipse Major Axis (degrees)
6.	Ellipse Minor Axis (degrees)
7.	Major Axis Orientation (degrees counter-clockwise from Equator)
8.	Up-link e.i.r.p. (dBW/MHz)
9.	Down-link e.i.r.p. (dBW/MHz)
10.	Up-link Frequency (GHz)
11.	Down-link Frequency (GHz)
12.	Worst Aggregate C/I
13.	Western Limit of Service Arc
14.	Eastern Limit of Service Arc
15.	Minimum Elevation Angle

ANNEXE 1 - ANNEX 1 - ANEXO 1

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALS00000	-164.10	-159.54	57.48	6.21	1.60	179.75	54.17	21.27	6.88	4.65	50.31	-169.80	-158.20	9.75
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	65.94	23.24	6.88	4.65	54.55	-169.80	-158.20	16.15
GUMMRA00	-164.10	-213.93	16.62	1.70	1.60	78.93	52.50	21.52	6.88	4.65	50.83	-169.80	-158.20	26.41
HWA00000	-164.10	-157.61	20.74	1.60	1.60	90.00	52.50	19.81	6.88	4.65	70.88	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	1.60	1.60	90.00	52.50	18.11	6.88	4.65	59.48	-169.80	-158.20	75.33
JAR00000	-164.10	-160.00	-0.38	1.60	1.60	90.00	52.50	18.08	6.88	4.65	60.65	-169.80	-158.20	85.15
JON00000	-164.10	-168.50	17.00	1.60	1.60	90.00	52.50	17.78	6.88	4.65	69.22	-169.80	-158.20	69.41
MDW00000	-164.10	-177.42	28.22	1.60	1.60	90.00	52.50	17.96	6.88	4.65	67.71	-169.80	-158.20	53.92
MRL00000	-164.10	-184.75	8.75	2.35	1.60	96.04	53.21	21.11	6.88	4.65	57.95	-169.80	-158.20	57.90
PLM00000	-164.10	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	68.64	-169.80	-158.20	81.18
SMA00000	-164.10	-170.70	-14.22	1.60	1.60	90.00	52.50	17.77	6.88	4.65	49.65	-169.80	-158.20	71.62
WAK00000	-164.10	-193.50	19.20	1.60	1.60	90.00	52.50	18.02	6.88	4.65	61.12	-169.80	-158.20	49.76
GTM00000	-135.70	-90.47	15.49	1.60	1.60	90.00	52.50	19.54	6.88	4.65	32.90	-139.30	-41.40	33.72
SLV0IFRB	-130.50	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	29.50	-130.50	-47.50	40.05
TON0IFRB	-128.00	-175.17	-21.17	1.60	1.60	90.00	52.50	18.97	6.88	4.65	32.27	-175.00	-126.00	31.98
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	57.52	21.48	6.88	4.65	28.22	-136.10	-61.00	39.11
SMO00000	-125.50	-172.11	-13.73	1.60	1.60	90.00	52.50	18.94	6.88	4.65	32.03	-175.00	-121.70	34.01
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	61.48	22.00	6.88	4.65	31.57	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	1.60	1.60	90.00	52.50	19.39	6.88	4.65	34.52	-130.30	-63.50	22.27
GDL00002	-115.90	-61.76	16.37	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.60	-123.20	-81.20	25.66
GUF00002	-115.90	-53.28	4.30	1.60	1.60	90.00	53.48	20.58	6.88	4.65	44.59	-123.20	-81.20	17.64
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	55.02	21.07	6.88	4.65	49.39	-123.20	-81.20	44.85
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	52.50	21.29	6.88	4.65	32.06	-119.00	-113.70	10.17
GRD0IFRB	-104.70	-61.60	12.00	1.60	1.60	90.00	52.50	18.76	6.88	4.65	34.09	-113.00	-10.20	38.82
EQA00000	-104.00	-83.13	-1.41	3.06	1.60	173.53	54.33	21.09	6.88	4.65	32.82	-104.00	-94.10	56.41
CAN0CENT	-103.60	-95.29	51.30	4.12	2.26	159.47	54.69	21.56	6.88	4.65	32.16	-115.10	-101.00	10.12
ABW00000	-98.20	-69.05	12.41	1.60	1.60	90.00	52.50	18.58	6.88	4.65	33.01	-119.40	-18.90	52.23
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	55.26	21.60	6.88	4.65	34.29	-108.00	-90.10	12.57
VCT0IFRB	-93.10	-61.10	13.17	1.60	1.60	90.00	52.50	18.47	6.88	4.65	31.29	-112.30	-9.90	50.10
HTI0IFRB	-92.00	-73.00	18.83	1.60	1.60	90.00	52.50	18.30	6.88	4.65	31.44	-122.90	-23.10	59.04
BLZ00000	-90.80	-88.61	17.24	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.75	-138.40	-38.70	68.24
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	56.69	21.28	6.88	4.65	37.26	-120.40	-38.20	58.99
SCN0IFRB	-88.80	-62.90	17.33	1.60	1.60	90.00	52.50	18.39	6.88	4.65	30.58	-113.20	-12.60	54.09
JMC00000	-87.60	-77.59	18.18	1.60	1.60	90.00	52.50	18.23	6.88	4.65	30.65	-127.50	-27.80	65.58
URG00000	-86.00	-56.26	33.70	1.60	1.60	90.00	52.50	19.32	6.88	4.65	36.78	-108.90	-3.50	37.67
CPV0IFRB	-85.60	-24.10	16.00	1.60	1.60	90.00	52.50	18.70	6.88	4.65	36.95	-94.70	46.50	19.09
NCG0IFRB	-84.40	-84.88	12.91	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.44	-124.40	-45.90	72.33
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	55.05	21.09	6.88	4.65	32.42	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	1.60	1.60	90.00	52.50	18.27	6.88	4.65	32.37	-102.50	-24.70	61.34
CUB00000	-80.60	-79.54	21.02	1.99	1.60	171.62	52.50	20.75	6.88	4.65	29.75	-123.50	-36.10	62.58
PNR0IFRB	-79.20	-80.16	8.54	1.60	1.60	90.00	52.50	19.57	6.88	4.65	30.58	-120.00	-40.40	78.04
GMB00000	-77.30	-16.40	13.40	1.60	1.60	90.00	52.50	18.86	6.88	4.65	34.47	-77.30	44.50	20.08
ATG0IFRB	-76.70	-61.80	17.00	1.60	1.60	90.00	52.50	18.24	6.88	4.65	30.55	-112.20	-11.40	63.70
SUR0IFRB	-76.00	-55.66	3.90	1.60	1.60	90.00	52.50	19.31	6.88	4.65	31.21	-97.00	-15.00	63.39
HND00000	-75.20	-86.11	15.45	1.60	1.60	90.00	52.50	20.02	6.88	4.65	29.60	-123.80	-48.10	65.67
CHL00000	-73.90	-82.36	-32.81	8.13	6.07	153.26	61.43	21.61	6.88	4.65	35.87	-96.40	-53.60	11.48
BAH0IFRB	-73.30	-75.78	23.99	1.61	1.60	132.77	52.50	20.61	6.88	4.65	30.42	-121.10	-32.20	57.15
TRD00000	-72.40	-61.09	10.83	1.60	1.60	90.00	52.50	18.18	6.88	4.65	28.36	-112.30	-9.90	71.08
MTN0IFRB	-70.60	-10.87	20.16	2.28	1.60	108.57	52.50	21.41	6.88	4.65	35.54	-72.80	44.20	13.08
CLM00000	-69.90	-74.00	5.69	4.00	2.33	121.05	56.99	21.14	6.88	4.65	30.11	-110.10	-39.90	69.46
DMA0IFRB	-68.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.16	6.88	4.65	28.93	-112.10	-10.50	70.11
B 00003	-67.70	-49.97	-20.92	4.28	3.03	60.46	58.72	21.52	6.88	4.65	28.81	-70.00	-60.10	47.83

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B 00001	-64.00	-62.55	-6.00	4.15	4.02	43.10	59.56	21.31	6.88	4.65	27.68	-70.00	-60.10	69.54
PTC00000	-61.00	-130.10	-25.07	1.60	1.60	90.00	52.50	18.79	6.88	4.65	40.60	-62.60	-58.50	10.30
B 00002	-60.10	-45.39	-6.26	4.65	4.10	151.77	60.26	21.35	6.88	4.65	29.45	-70.00	-60.10	57.38
ARG00000	-56.50	-62.41	-33.77	4.74	2.94	83.00	59.72	21.89	6.88	4.65	34.15	-58.40	-54.60	26.55
ARGINSUL	-56.50	-60.82	-57.11	3.26	1.60	154.97	52.50	21.45	6.88	4.65	39.45	-58.40	-54.60	7.24
BEL00000	-52.40	4.11	50.31	1.60	1.60	90.00	52.50	19.05	6.88	4.65	31.80	-53.60	62.00	10.74
SRL0IFRB	-51.80	-11.90	8.50	1.60	1.60	90.00	52.50	18.64	6.88	4.65	34.94	-63.80	40.00	43.01
AND00000	-48.50	1.53	42.52	1.60	1.60	90.00	52.50	18.75	6.88	4.65	30.56	-48.60	51.70	20.10
DOM0IFRB	-47.90	-70.40	18.67	1.60	1.60	90.00	52.50	18.35	6.88	4.65	40.86	-120.30	-20.50	56.26
SEN00000	-46.90	-14.09	13.98	1.60	1.60	90.00	52.50	19.67	6.88	4.65	33.42	-64.40	34.30	46.65
DNK00002	-45.60	11.19	55.93	1.60	1.60	90.00	52.50	19.39	6.88	4.65	30.69	-50.00	-43.10	7.51
DNK00FAR	-45.60	-7.18	61.74	1.60	1.60	90.00	52.50	18.89	6.88	4.65	40.22	-50.00	-43.10	12.55
GRL00000	-45.60	-42.04	68.39	2.27	1.60	175.23	52.50	21.41	6.88	4.65	41.26	-50.00	-43.10	2.78
CTR00000	-45.10	-85.62	8.17	1.60	1.60	90.00	52.50	20.15	6.88	4.65	39.12	-125.40	-44.00	41.23
ALG00000	-43.20	1.21	27.82	3.26	1.83	126.90	52.96	21.32	6.88	4.65	30.40	-45.30	52.00	21.67
BRB0IFRB	-42.50	-59.60	13.17	1.60	1.60	90.00	52.50	18.22	6.88	4.65	39.94	-110.80	-8.40	64.86
LBR00000	-41.80	-8.94	6.50	1.60	1.60	90.00	52.50	19.57	6.88	4.65	35.11	-50.40	35.50	49.57
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	52.50	21.05	6.88	4.65	31.63	-54.50	64.60	25.50
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.60	78.07	52.50	20.88	6.88	4.65	35.94	-37.20	74.10	21.20
DNK00001	-35.60	10.91	55.73	1.60	1.60	90.00	52.50	19.31	6.88	4.65	29.99	-40.80	62.20	12.61
I 00000	-32.90	10.71	40.86	2.06	1.60	138.74	52.50	21.18	6.88	4.65	29.95	-32.90	54.10	20.04
GNE0IFRB	-32.30	10.50	1.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	30.90	-32.80	53.80	40.58
BEN00000	-30.60	2.28	9.30	1.60	1.60	90.00	52.50	20.05	6.88	4.65	27.99	-40.20	44.70	48.37
ASCSTHTC	-29.50	-11.51	-19.61	5.58	1.93	80.13	54.27	20.93	6.88	4.65	35.34	-38.50	-27.10	43.25
BERCAYMS	-29.50	-68.30	22.55	3.65	2.06	46.49	56.59	21.93	6.88	4.65	40.88	-38.50	-27.10	28.08
FLKSTGGL	-29.50	-45.85	-59.64	3.84	1.60	166.84	52.50	21.26	6.88	4.65	38.99	-38.50	-27.10	5.32
G 00000	-29.50	-3.84	53.96	1.60	1.60	90.00	52.50	20.87	6.88	4.65	32.73	-38.50	-27.10	17.03
PRG00000	-28.60	-58.48	-23.22	1.85	1.60	133.17	53.08	21.31	6.88	4.65	27.96	-90.40	-23.20	43.68
LBN00000	-27.00	35.80	33.83	1.60	1.60	90.00	52.50	18.85	6.88	4.65	41.25	-31.60	103.20	13.88
ISL00000	-25.20	-19.08	64.90	1.60	1.60	90.00	52.50	19.21	6.88	4.65	34.77	-53.00	14.80	14.98
BOL00000	-24.90	-64.24	-17.15	2.65	1.60	123.95	55.01	21.66	6.88	4.65	29.58	-97.30	-23.20	35.74
GUY00000	-24.10	-59.18	4.73	1.60	1.60	90.00	52.50	20.57	6.88	4.65	36.56	-100.10	-18.30	46.47
ZAI0IFRB	-22.20	22.08	-4.53	3.69	2.58	80.18	58.99	21.95	6.88	4.65	34.64	-23.60	62.60	28.65
HNG00000	-21.70	19.17	47.13	1.60	1.60	90.00	52.50	19.03	6.88	4.65	29.28	-22.20	62.40	20.30
TGO00000	-21.10	0.83	8.18	1.60	1.60	90.00	52.50	19.55	6.88	4.65	31.62	-41.00	43.40	61.36
LSO0IFRB	-18.70	28.40	-29.50	1.60	1.60	90.00	52.50	18.45	6.88	4.65	35.60	-40.10	96.90	28.72
DJI0IFRB	-18.30	42.60	11.67	1.60	1.60	90.00	52.50	18.67	6.88	4.65	31.82	-28.40	113.60	20.29
AUT00000	-17.10	13.66	47.65	1.60	1.60	90.00	52.50	19.17	6.88	4.65	26.56	-18.60	46.40	25.75
QAT00000	-16.90	51.26	25.34	1.60	1.60	90.00	52.50	18.95	6.88	4.65	29.63	-16.90	120.00	10.01
COG0IFRB	-16.00	14.79	-0.55	2.00	1.60	63.46	52.98	21.15	6.88	4.65	31.85	-24.70	56.50	49.72
ZWE00000	-14.00	29.59	-18.91	1.60	1.60	90.00	52.50	19.84	6.88	4.65	35.95	-27.00	85.50	32.55
TCH00000	-12.70	17.32	49.59	1.60	1.60	90.00	52.50	19.95	6.88	4.65	28.27	-21.30	54.40	24.43
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	53.27	20.98	6.88	4.65	35.76	-36.50	67.50	45.39
SUI00000	-8.60	8.16	46.49	1.60	1.60	90.00	52.50	18.67	6.88	4.65	26.43	-20.00	35.00	32.63
AZR00000	-7.30	-28.01	38.69	1.60	1.60	90.00	52.50	18.92	6.88	4.65	44.11	-41.90	6.70	38.12
MDR00000	-7.30	-16.16	31.56	1.60	1.60	90.00	52.50	18.29	6.88	4.65	40.87	-41.90	6.70	50.28
POR00000	-7.30	-8.00	39.65	1.60	1.60	90.00	52.50	18.76	6.88	4.65	30.42	-41.90	6.70	41.62
ATN00000	-5.70	-65.62	15.09	1.60	1.60	90.00	52.50	21.04	6.88	4.65	33.69	-50.10	1.90	17.72
HOL00000	-5.70	5.35	52.44	1.60	1.60	90.00	52.50	18.60	6.88	4.65	27.03	-50.10	1.90	27.32
BDI00000	-3.00	29.94	-3.40	1.60	1.60	90.00	52.50	18.43	6.88	4.65	33.30	-30.50	90.40	50.10
CYP00000	-2.60	33.20	35.10	1.60	1.60	90.00	52.50	18.45	6.88	4.65	30.84	-21.50	87.90	34.41
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	54.52	20.79	6.88	4.65	34.75	-59.90	43.30	60.62

DOCUMENT

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
F 00000	-0.10	3.11	45.89	2.13	1.60	167.72	52.50	20.97	6.88	4.65	29.37	-13.90	5.70	31.57
GDL00000	-0.10	-61.96	16.31	1.60	1.60	90.00	52.50	19.96	6.88	4.65	33.48	-13.90	5.70	17.29
GUF00000	-0.10	-53.17	4.30	1.60	1.60	90.00	52.62	19.89	6.88	4.65	41.64	-13.90	5.70	28.24
MYT00000	-0.10	45.20	-12.83	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.60	-13.90	5.70	36.27
REU00000	-0.10	55.56	-21.12	1.60	1.60	90.00	52.50	19.33	6.88	4.65	42.04	-13.90	5.70	23.30
SPM00000	-0.10	-56.40	46.96	1.60	1.60	90.00	52.50	19.04	6.88	4.65	44.35	-13.90	5.70	13.76
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	52.85	20.97	6.88	4.65	34.61	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	52.50	20.72	6.88	4.65	36.39	-7.00	15.00	42.79
ALB00000	2.40	19.99	41.11	1.60	1.60	90.00	52.50	18.64	6.88	4.65	29.37	-29.90	69.80	37.73
NOR00000	3.90	11.71	64.57	1.97	1.60	16.53	52.50	21.30	6.88	4.65	30.53	2.90	29.10	3.05
CTI00000	4.60	-5.85	7.82	1.60	1.60	90.00	52.50	19.98	6.88	4.65	32.47	-15.00	27.10	71.21
MLT00000	5.60	14.36	35.93	1.60	1.60	90.00	52.50	18.20	6.88	4.65	29.32	-39.80	68.50	47.17
RRW00000	6.80	29.73	-1.89	1.60	1.60	90.00	52.50	18.09	6.88	4.65	36.78	-30.90	90.80	61.71
LIE00000	7.90	9.50	47.20	1.60	1.60	90.00	52.50	18.32	6.88	4.65	27.94	-30.00	15.00	35.73
TUR00000	9.40	34.11	38.87	2.80	1.60	170.97	52.50	21.09	6.88	4.65	29.84	7.10	61.60	31.45
BFA00000	10.20	-1.45	12.23	1.74	1.60	23.58	52.50	20.52	6.88	4.65	31.85	-54.60	46.20	67.27
S 00000	11.30	16.68	60.88	1.60	1.60	90.00	52.50	19.79	6.88	4.65	28.54	-7.00	47.10	12.20
CNR00000	12.20	-15.86	28.51	1.60	1.60	90.00	52.50	18.74	6.88	4.65	40.24	-31.10	24.20	42.91
E 00002	12.20	-2.98	39.86	2.08	1.60	7.95	52.50	20.66	6.88	4.65	29.15	-31.10	24.20	35.72
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	52.50	20.50	6.88	4.65	35.13	-45.40	82.50	55.61
GRC00000	14.20	24.71	38.27	1.71	1.60	158.13	52.50	20.68	6.88	4.65	29.75	-8.90	56.80	40.24
IRL00000	15.20	-8.12	53.25	1.60	1.60	90.00	52.50	19.00	6.88	4.65	30.23	-41.00	25.70	23.69
CAF00000	15.60	21.53	6.46	2.72	1.71	13.92	53.68	20.91	6.88	4.65	31.37	-24.80	57.60	74.76
GHA00000	16.40	-1.28	7.71	1.60	1.60	90.00	52.50	20.33	6.88	4.65	31.66	-41.70	39.30	64.18
MDG0IFRB	16.80	46.60	-18.69	2.58	1.60	66.24	54.60	21.44	6.88	4.65	38.08	10.40	81.10	45.48
TUN00000	17.30	9.71	33.43	1.60	1.60	90.00	52.50	19.59	6.88	4.65	30.23	-29.00	48.40	45.72
POL00000	18.60	19.19	51.61	1.60	1.60	90.00	52.50	19.73	6.88	4.65	28.79	-14.80	56.40	27.46
BOT00000	19.90	23.99	-21.77	1.60	1.60	90.00	52.50	20.02	6.88	4.65	34.40	-41.70	89.90	59.11
BHR00000	20.40	50.60	26.07	1.60	1.60	90.00	52.50	18.09	6.88	4.65	35.66	-18.60	119.80	44.77
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	53.75	20.99	6.88	4.65	34.11	-27.30	51.20	73.08
SMR00000	21.90	12.46	43.95	1.60	1.60	90.00	52.50	18.34	6.88	4.65	26.98	-36.40	61.40	38.43
BUL00000	24.10	25.35	42.93	1.60	1.60	90.00	52.50	19.05	6.88	4.65	28.09	-20.60	71.50	39.08
IRQ00000	25.40	44.04	33.17	1.96	1.60	153.13	52.50	20.55	6.88	4.65	33.93	5.10	82.50	42.33
D 00000	26.40	9.72	50.70	1.60	1.60	90.00	52.50	19.49	6.88	4.65	27.33	-30.40	53.10	25.20
GUI0IFRB	27.50	-10.87	10.20	1.60	1.60	90.00	52.50	20.24	6.88	4.65	36.59	-51.80	33.80	39.68
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	53.23	20.85	6.88	4.65	31.24	-19.20	54.90	47.46
MWI0IFRB	29.70	34.15	-13.30	1.60	1.60	90.00	52.50	19.96	6.88	4.65	35.06	-25.00	93.70	68.87
YUG00000	31.20	18.47	44.26	1.60	1.60	90.00	52.50	19.81	6.88	4.65	27.83	-25.80	60.20	33.83
UGA0IFRB	32.30	32.17	0.95	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.98	-27.20	91.60	84.88
MRC00000	32.70	-8.86	27.94	3.39	1.60	44.55	52.50	21.21	6.88	4.65	32.85	-50.50	37.50	29.66
SWZ00000	33.10	31.29	-26.35	1.60	1.60	90.00	52.50	18.02	6.88	4.65	33.04	-26.80	89.20	58.54
STP0IFRB	33.40	7.00	1.00	1.60	1.60	90.00	52.50	18.30	6.88	4.65	32.28	-45.40	59.40	59.14
KWT00000	34.60	47.65	29.07	1.60	1.60	90.00	52.50	18.10	6.88	4.65	35.73	-20.20	115.30	52.11
CVA00000	35.40	12.50	41.88	1.60	1.60	90.00	52.50	18.39	6.88	4.65	28.65	-38.10	63.10	36.31
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.60	25.92	52.50	20.39	6.88	4.65	33.93	-27.90	82.50	64.58
GNB0IFRB	36.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	33.90	-76.50	45.70	29.36
YEM0IFRB	37.80	44.36	15.01	1.60	1.60	90.00	52.50	18.65	6.88	4.65	36.25	-24.30	113.20	68.00
DDR00000	38.70	12.60	51.36	1.60	1.60	90.00	52.50	19.27	6.88	4.65	28.32	-26.80	51.70	23.40
GAB0IFRB	39.90	11.70	-0.74	1.60	1.60	90.00	52.50	20.22	6.88	4.65	29.50	-29.20	52.00	53.71
MCO00000	41.40	7.40	43.67	1.60	1.60	90.00	52.50	18.70	6.88	4.65	29.57	-41.80	56.60	29.27
NIG00000	42.00	7.85	9.80	2.48	1.60	44.10	54.33	21.48	6.88	4.65	30.98	-29.60	49.60	43.99
AFG00000	43.40	66.41	33.86	2.06	1.60	13.31	52.50	20.61	6.88	4.65	29.15	42.30	95.80	35.69

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ROU00000	44.10	25.38	45.58	1.60	1.60	90.00	52.50	20.28	6.88	4.65	27.60	-1.00	51.00	30.82
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	53.47	20.72	6.88	4.65	28.60	20.10	60.00	51.82
FNL00000	46.80	23.79	64.34	1.60	1.60	90.00	52.50	20.74	6.88	4.65	30.60	7.10	46.80	10.01
IRN00000	49.60	54.97	32.72	3.51	1.93	149.41	52.58	20.90	6.88	4.65	29.60	20.10	50.00	44.01
LUX00000	52.80	5.91	49.85	1.60	1.60	90.00	52.50	18.70	6.88	4.65	35.12	-53.90	66.10	17.73
PAK00000	54.90	69.86	29.77	2.93	1.97	22.52	52.77	21.05	6.88	4.65	29.19	34.10	62.00	40.97
CYPSBA00	56.60	32.95	34.58	1.60	1.60	90.00	52.50	18.28	6.88	4.65	30.20	44.70	59.20	42.56
GIB00000	56.60	-5.35	36.15	1.60	1.60	90.00	52.50	19.08	6.88	4.65	39.59	44.70	59.20	13.88
HKG00000	56.60	114.50	22.42	1.60	1.60	90.00	52.50	19.36	6.88	4.65	41.83	44.70	59.20	21.33
URS00001	60.00	57.35	48.29	7.50	3.50	177.16	58.92	21.71	6.88	4.65	33.39	56.70	65.40	8.39
SYR00000	63.90	39.24	34.64	1.60	1.60	90.00	52.50	19.99	6.88	4.65	29.28	10.10	70.00	38.83
BRM0IFRB	66.10	96.71	18.77	3.22	1.60	107.29	55.42	21.48	6.88	4.65	39.45	57.60	131.00	42.39
EGY00000	68.30	30.29	26.22	2.31	1.60	53.82	52.50	20.78	6.88	4.65	29.77	-10.30	69.50	30.96
TZA0IFRB	69.50	35.43	-5.93	2.41	1.60	117.15	52.50	20.69	6.88	4.65	33.74	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.60	1.60	90.00	52.50	18.92	6.88	4.65	36.93	-12.70	120.30	53.90
AFS00000	71.00	27.19	-30.05	5.32	1.60	128.26	54.28	21.44	6.88	4.65	36.78	-25.80	84.20	22.24
ISR00000	73.00	35.04	31.32	1.60	1.60	90.00	52.50	18.99	6.88	4.65	30.60	-8.00	78.40	34.21
ETH00000	74.90	40.90	10.33	2.75	2.22	77.32	52.50	20.83	6.88	4.65	30.29	-4.00	85.00	40.95
MLA00000	77.20	108.16	4.68	3.06	1.60	0.29	55.83	21.66	6.88	4.65	32.03	76.40	143.20	40.97
KEN00000	79.30	38.41	0.87	2.09	1.60	93.82	52.50	20.75	6.88	4.65	31.64	-10.40	86.30	37.68
IND00000	81.60	83.19	18.84	6.05	5.13	115.65	62.35	21.49	6.88	4.65	33.70	51.30	116.40	46.55
VTN00000	85.10	108.01	14.29	3.64	2.30	132.95	57.11	21.37	6.88	4.65	29.54	85.10	125.00	50.68
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	59.82	21.71	6.88	4.65	32.95	87.70	98.00	7.06
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.60	98.03	54.42	21.73	6.88	4.65	33.11	-10.60	90.60	21.83
PHL0IFRB	89.60	121.25	11.35	3.33	1.60	100.96	55.79	21.65	6.88	4.65	30.44	83.00	159.80	45.90
MAU0IFRB	92.20	57.50	-20.17	1.60	1.60	90.00	52.50	18.61	6.88	4.65	42.45	8.00	107.00	44.30
COM0IFRB	94.10	44.10	-12.17	1.60	1.60	90.00	52.50	18.99	6.88	4.65	32.23	-7.30	95.50	31.53
CBG0IFRB	96.10	105.06	12.85	1.60	1.60	90.00	52.50	19.59	6.88	4.65	32.47	61.20	144.20	68.33
SEY0IFRB	96.50	55.40	-4.50	1.60	1.60	90.00	52.50	18.66	6.88	4.65	29.79	3.10	107.70	42.28
BTN0IFRB	96.80	90.43	27.22	1.60	1.60	90.00	52.50	18.37	6.88	4.65	30.35	34.30	146.60	56.19
SNG00000	98.10	103.85	1.28	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.08	60.60	142.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.60	72.34	52.50	21.24	6.88	4.65	28.78	-20.00	102.70	24.66
JOR00000	99.30	36.70	31.33	1.60	1.60	90.00	52.50	19.39	6.88	4.65	29.31	-28.80	102.90	13.11
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	61.99	21.68	6.88	4.65	37.72	90.40	139.40	25.55
YMS00000	108.00	49.91	14.76	1.60	1.60	90.00	52.50	20.26	6.88	4.65	37.94	-16.40	114.40	16.47
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	42.82	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	41.97	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.53	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	39.47	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	31.50	113.00	114.30	10.03
MNG00000	113.60	103.75	46.82	3.64	1.60	2.57	52.50	21.07	6.88	4.65	32.96	60.40	148.90	28.71
INS00000	114.90	117.61	-1.79	9.37	4.31	169.56	63.94	21.44	6.88	4.65	35.50	101.10	135.00	57.77
KOR00000	116.20	127.68	36.17	1.60	1.60	90.00	52.50	19.71	6.88	4.65	32.74	83.00	169.60	43.61
MAC00000	116.80	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	30.67	64.70	162.40	63.78
MLD0IFRB	117.60	73.40	2.48	2.21	1.60	88.03	52.50	21.27	6.88	4.65	29.91	21.10	124.90	37.92
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	54.41	21.25	6.88	4.65	30.33	58.60	137.20	55.69
CLN00000	121.50	80.09	7.67	1.60	1.60	90.00	52.50	18.78	6.88	4.65	30.29	28.10	131.90	41.35
OMA00000	122.20	55.56	21.59	1.85	1.60	64.05	52.50	21.21	6.88	4.65	32.73	-9.80	122.20	10.07
NPL0IFRB	123.30	84.40	27.96	1.60	1.60	90.00	52.50	19.23	6.88	4.65	35.17	30.30	137.60	32.52
LAO0IFRB	128.50	103.66	18.15	1.78	1.60	118.45	52.50	20.45	6.88	4.65	34.49	56.60	149.90	50.22
BGD00000	133.00	90.16	23.96	1.60	1.60	90.00	52.50	19.65	6.88	4.65	36.83	44.60	135.50	32.17
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	58.94	21.71	6.88	4.65	37.96	138.50	140.60	6.02

ADMINISTRATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	64.04	21.80	6.88	4.65	41.71	102.20	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.60	1.60	90.00	52.50	20.47	6.88	4.65	45.99	102.20	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.60	1.60	90.00	52.50	19.45	6.88	4.65	43.44	102.20	148.10	34.37
AUS00004	144.10	158.97	-54.47	1.60	1.60	90.00	52.50	18.40	6.88	4.65	47.57	102.20	148.10	26.39
AUS00005	144.10	110.42	-66.27	1.60	1.60	90.00	52.50	18.75	6.88	4.65	51.96	102.20	148.10	11.04
KRE00000	145.00	127.80	39.82	1.60	1.60	90.00	52.50	20.38	6.88	4.65	30.87	110.10	150.00	38.11
NRU0IFRB	146.00	166.90	-0.50	1.60	1.60	90.00	52.50	18.21	6.88	4.65	32.78	114.50	179.00	65.50
SLM0IFRB	147.50	158.99	-9.05	1.60	1.60	90.00	52.50	20.54	6.88	4.65	31.82	120.40	179.00	68.27
FJI0IFRB	148.80	178.50	-17.17	1.60	1.60	90.00	52.50	18.46	6.88	4.65	32.70	128.20	179.00	50.58
KIR0IFRB	150.00	173.00	1.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	34.66	120.60	179.00	63.05
VUT0IFRB	150.70	168.41	-17.16	1.60	1.60	90.00	52.50	19.71	6.88	4.65	31.67	127.40	179.00	58.03
CHN00002	151.30	115.32	16.37	4.80	1.99	65.40	58.89	21.76	6.88	4.65	31.97	75.00	151.30	35.61
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	55.93	21.02	6.88	4.65	34.23	114.20	179.00	71.27
J 00000	155.60	140.58	30.45	5.67	3.62	17.40	59.82	21.53	6.88	4.65	31.91	94.40	170.90	35.87
BRU0IFRB	157.30	114.60	4.50	1.60	1.60	90.00	52.50	19.10	6.88	4.65	31.96	71.50	157.70	40.51
NZL00001	162.70	171.75	-45.92	4.35	1.60	58.61	53.50	21.67	6.88	4.65	49.06	150.90	175.00	3.44
NZL00002	162.70	194.84	-13.20	2.81	2.49	90.42	54.97	21.39	6.88	4.65	48.44	150.90	175.00	39.75
TUV00000	173.00	179.16	-8.50	1.60	1.60	90.00	52.50	18.11	6.88	4.65	47.79	127.30	179.00	77.63

ANNEXE 2 - ANNEX 2 - ANEXO 2

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ABW00000	-98.20	-69.05	12.41	1.60	1.60	90.00	52.50	18.58	6.88	4.65	33.01	-119.40	-18.90	52.23
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	42.82	113.00	114.30	12.16
AFG00000	43.40	66.41	33.86	2.06	1.60	13.31	52.50	20.61	6.88	4.65	29.15	42.30	95.80	35.69
AFS00000	71.00	27.19	-30.05	5.32	1.60	128.26	54.28	21.44	6.88	4.65	36.78	-25.80	84.20	22.24
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.60	78.07	52.50	20.88	6.88	4.65	35.94	-37.20	74.10	21.20
ALB00000	2.40	19.99	41.11	1.60	1.60	90.00	52.50	18.64	6.88	4.65	29.37	-29.90	69.80	37.73
ALG00000	-43.20	1.21	27.82	3.26	1.83	126.90	52.96	21.32	6.88	4.65	30.40	-45.30	52.00	21.67
ALS00000	-164.10	-159.54	57.48	6.21	1.60	179.75	54.17	21.27	6.88	4.65	50.31	-169.80	-158.20	9.75
AND00000	-48.50	1.53	42.52	1.60	1.60	90.00	52.50	18.75	6.88	4.65	30.56	-48.60	51.70	20.10
ARG00000	-56.50	-62.41	-33.77	4.74	2.94	83.00	59.72	21.89	6.88	4.65	34.15	-58.40	-54.60	26.55
ARGINSUL	-56.50	-60.82	-57.11	3.26	1.60	154.97	52.50	21.45	6.88	4.65	39.45	-58.40	-54.60	7.24
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	53.47	20.72	6.88	4.65	28.60	20.10	60.00	51.82
ASCSTHTC	-29.50	-11.51	-19.61	5.58	1.93	80.13	54.27	20.93	6.88	4.65	35.34	-38.50	-27.10	43.25
ATG0IFRB	-76.70	-61.80	17.00	1.60	1.60	90.00	52.50	18.24	6.88	4.65	30.55	-112.20	-11.40	63.70
ATN00000	-5.70	-65.62	15.09	1.60	1.60	90.00	52.50	21.04	6.88	4.65	33.69	-50.10	1.90	17.72
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	64.04	21.80	6.88	4.65	41.71	102.20	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.60	1.60	90.00	52.50	20.47	6.88	4.65	45.99	102.20	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.60	1.60	90.00	52.50	19.45	6.88	4.65	43.44	102.20	148.10	34.37
AUS00004	144.10	158.97	-54.47	1.60	1.60	90.00	52.50	18.40	6.88	4.65	47.57	102.20	148.10	26.39
AUS00005	144.10	110.42	-66.27	1.60	1.60	90.00	52.50	18.75	6.88	4.65	51.96	102.20	148.10	11.04
AUT00000	-17.10	13.66	47.65	1.60	1.60	90.00	52.50	19.17	6.88	4.65	26.56	-18.60	46.40	25.75
AZR00000	-7.30	-28.01	38.69	1.60	1.60	90.00	52.50	18.92	6.88	4.65	44.11	-41.90	6.70	38.12
B 00001	-64.00	-62.55	-6.00	4.15	4.02	43.10	59.56	21.31	6.88	4.65	27.68	-70.00	-60.10	69.54
B 00002	-60.10	-45.39	-6.26	4.65	4.10	151.77	60.26	21.35	6.88	4.65	29.45	-70.00	-60.10	57.38
B 00003	-67.70	-49.97	-20.92	4.28	3.03	60.46	58.72	21.52	6.88	4.65	28.81	-70.00	-60.10	47.83
BAH0IFRB	-73.30	-75.78	23.99	1.61	1.60	132.77	52.50	20.61	6.88	4.65	30.42	-121.10	-32.20	57.15
BDI00000	-3.00	29.94	-3.40	1.60	1.60	90.00	52.50	18.43	6.88	4.65	33.30	-30.50	90.40	50.10
BEL00000	-52.40	4.11	50.31	1.60	1.60	90.00	52.50	19.05	6.88	4.65	31.80	-53.60	62.00	10.74
BEN00000	-30.60	2.28	9.30	1.60	1.60	90.00	52.50	20.05	6.88	4.65	27.99	-40.20	44.70	48.37
BERCAYMS	-29.50	-68.30	22.55	3.65	2.06	46.49	56.59	21.93	6.88	4.65	40.88	-38.50	-27.10	28.08
BFA00000	10.20	-1.45	12.23	1.74	1.60	23.58	52.50	20.52	6.88	4.65	31.85	-54.60	46.20	67.27
BGD00000	133.00	90.16	23.96	1.60	1.60	90.00	52.50	19.65	6.88	4.65	36.83	44.60	135.50	32.17
BHR00000	20.40	50.60	26.07	1.60	1.60	90.00	52.50	18.09	6.88	4.65	35.66	-18.60	119.80	44.77
BLZ00000	-90.80	-88.61	17.24	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.75	-138.40	-38.70	68.24
BOL00000	-24.90	-64.24	-17.15	2.65	1.60	123.95	55.01	21.66	6.88	4.65	29.58	-97.30	-23.20	35.74
BOT00000	19.90	23.99	-21.77	1.60	1.60	90.00	52.50	20.02	6.88	4.65	34.40	-41.70	89.90	59.11
BRB0IFRB	-42.50	-59.60	13.17	1.60	1.60	90.00	52.50	18.22	6.88	4.65	39.94	-110.80	-8.40	64.86
BRM0IFRB	66.10	96.71	18.77	3.22	1.60	107.29	55.42	21.48	6.88	4.65	39.45	57.60	131.00	42.39
BRU0IFRB	157.30	114.60	4.50	1.60	1.60	90.00	52.50	19.10	6.88	4.65	31.96	71.50	157.70	40.51
BTN0IFRB	96.80	90.43	27.22	1.60	1.60	90.00	52.50	18.37	6.88	4.65	30.35	34.30	146.60	56.19
BUL00000	24.10	25.35	42.93	1.60	1.60	90.00	52.50	19.05	6.88	4.65	28.09	-20.60	71.50	39.08
CAF00000	15.60	21.53	6.46	2.72	1.71	13.92	53.68	20.91	6.88	4.65	31.37	-24.80	57.60	74.76
CANOEAST	-97.60	-75.19	50.21	4.86	2.01	158.05	55.26	21.60	6.88	4.65	34.29	-108.00	-90.10	12.57
CANOCENT	-103.60	-95.29	51.30	4.12	2.26	159.47	54.69	21.56	6.88	4.65	32.16	-115.10	-101.00	10.12
CANOWEST	-114.90	-120.09	57.39	3.06	1.85	173.00	52.50	21.29	6.88	4.65	32.06	-119.00	-113.70	10.17
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	65.94	23.24	6.88	4.65	54.55	-169.80	-158.20	16.15
CBG0IFRB	96.10	105.06	12.85	1.60	1.60	90.00	52.50	19.59	6.88	4.65	32.47	61.20	144.20	68.33
CHL00000	-73.90	-82.36	-32.81	8.13	6.07	153.26	61.43	21.61	6.88	4.65	35.87	-96.40	-53.60	11.48
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	61.99	21.68	6.88	4.65	37.72	90.40	139.40	25.55
CHN00002	151.30	115.32	16.37	4.80	1.99	65.40	58.89	21.76	6.88	4.65	31.97	75.00	151.30	35.61
CLM00000	-69.90	-74.00	5.69	4.00	2.33	121.05	56.99	21.14	6.88	4.65	30.11	-110.10	-39.90	69.46
CLN00000	121.50	80.09	7.67	1.60	1.60	90.00	52.50	18.78	6.88	4.65	30.29	28.10	131.90	41.35

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	53.75	20.99	6.88	4.65	34.11	-27.30	51.20	73.08
CNR00000	12.20	-15.86	28.51	1.60	1.60	90.00	52.50	18.74	6.88	4.65	40.24	-31.10	24.20	42.91
COG0IFRB	-16.00	14.79	-0.55	2.00	1.60	63.46	52.98	21.15	6.88	4.65	31.85	-24.70	56.50	49.72
COM0IFRB	94.10	44.10	-12.17	1.60	1.60	90.00	52.50	18.99	6.88	4.65	32.23	-7.30	95.50	31.53
CPV0IFRB	-85.60	-24.10	16.00	1.60	1.60	90.00	52.50	18.70	6.88	4.65	36.95	-94.70	46.50	19.09
CTI00000	4.60	-5.85	7.82	1.60	1.60	90.00	52.50	19.98	6.88	4.65	32.47	-15.00	27.10	71.21
CTR00000	-45.10	-85.62	8.17	1.60	1.60	90.00	52.50	20.15	6.88	4.65	39.12	-125.40	-44.00	41.23
CUB00000	-80.60	-79.54	21.02	1.99	1.60	171.62	52.50	20.75	6.88	4.65	29.75	-123.50	-36.10	62.58
CVA00000	35.40	12.50	41.88	1.60	1.60	90.00	52.50	18.39	6.88	4.65	28.65	-38.10	63.10	36.31
CYP00000	-2.60	33.20	35.10	1.60	1.60	90.00	52.50	18.45	6.88	4.65	30.84	-21.50	87.90	34.41
CYPSBA00	56.60	32.95	34.58	1.60	1.60	90.00	52.50	18.28	6.88	4.65	30.20	44.70	59.20	42.56
D 00000	26.40	9.72	50.70	1.60	1.60	90.00	52.50	19.49	6.88	4.65	27.53	-30.40	53.10	25.20
DDR00000	38.70	12.60	51.36	1.60	1.60	90.00	52.50	19.27	6.88	4.65	28.32	-26.80	51.70	23.40
DJI0IFRB	-18.30	42.60	11.67	1.60	1.60	90.00	52.50	18.67	6.88	4.65	31.82	-28.40	113.60	20.29
DMA0IFRB	-68.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.16	6.88	4.65	28.93	-112.10	-10.50	70.11
DNK00001	-35.60	10.91	55.73	1.60	1.60	90.00	52.50	19.31	6.88	4.65	29.99	-40.80	62.20	12.61
DNK00002	-45.60	11.19	55.93	1.60	1.60	90.00	52.50	19.39	6.88	4.65	30.69	-50.00	-43.10	2.51
DNK00FAR	-45.60	-7.18	61.74	1.60	1.60	90.00	52.50	18.89	6.88	4.65	30.22	-50.00	-43.10	12.55
DOM0IFRB	-47.90	-70.40	18.67	1.60	1.60	90.00	52.50	18.35	6.88	4.65	40.86	-120.30	-20.50	56.26
E 00002	12.20	-2.98	39.86	2.08	1.60	7.95	52.50	20.66	6.88	4.65	29.15	-31.10	24.20	35.72
EGY00000	68.30	30.29	26.22	2.31	1.60	53.82	52.50	20.78	6.88	4.65	29.72	-10.30	69.50	30.96
EQA00000	-104.00	-83.13	-1.41	3.06	1.60	173.53	54.33	21.09	6.88	4.65	32.82	-104.00	-94.10	56.41
ETH00000	74.90	40.90	10.33	2.75	2.22	77.32	52.50	20.83	6.88	4.65	30.29	-4.00	85.00	40.95
F 00000	-0.10	3.11	45.89	2.13	1.60	167.72	52.50	20.97	6.88	4.65	29.37	-13.90	5.70	31.57
FJI0IFRB	148.80	178.50	-17.17	1.60	1.60	90.00	52.50	18.46	6.88	4.65	32.70	128.20	179.00	50.58
FLKSTGGL	-29.50	-45.85	-59.64	3.84	1.60	166.84	52.50	21.26	6.88	4.65	38.99	-38.50	-27.10	5.32
FNL00000	46.80	23.79	64.34	1.60	1.60	90.00	52.50	20.74	6.88	4.65	30.60	7.10	46.80	10.01
G 00000	-29.50	-3.84	53.96	1.60	1.60	90.00	52.50	20.87	6.88	4.65	32.73	-38.50	-27.10	17.03
GAB0IFRB	39.90	11.70	-0.74	1.60	1.60	90.00	52.50	20.22	6.88	4.65	29.50	-29.20	52.00	53.71
GDL00000	-0.10	-61.96	16.31	1.60	1.60	90.00	52.50	19.96	6.88	4.65	33.48	-13.90	5.70	17.29
GDL00002	-115.90	-61.76	16.37	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.60	-123.20	-81.20	25.66
GHA00000	16.40	-1.28	7.71	1.60	1.60	90.00	52.50	20.33	6.88	4.65	31.66	-41.70	39.30	64.18
GIB00000	56.60	-5.35	36.15	1.60	1.60	90.00	52.50	19.08	6.88	4.65	39.59	44.70	59.20	13.88
GMB00000	-77.30	-16.40	13.40	1.60	1.60	90.00	52.50	18.86	6.88	4.65	34.47	-77.30	44.50	20.08
GNB0IFRB	36.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	33.90	-76.50	45.70	29.36
GNE0IFRB	-32.30	10.50	1.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	30.90	-32.80	53.80	40.58
GRC00000	14.20	24.71	38.27	1.71	1.60	158.13	52.50	20.68	6.88	4.65	29.75	-8.90	56.80	40.24
GRD0IFRB	-104.70	-61.60	12.00	1.60	1.60	90.00	52.50	18.76	6.88	4.65	34.09	-113.00	-10.20	38.82
GRL00000	-45.60	-42.06	68.39	2.27	1.60	175.23	52.50	21.41	6.88	4.65	41.26	-50.00	-43.10	2.78
GTM00000	-135.70	-90.47	15.49	1.60	1.60	90.00	52.50	19.54	6.88	4.65	32.90	-139.30	-41.40	33.72
GUF00000	-0.10	-53.17	4.30	1.60	1.60	90.00	52.62	19.89	6.88	4.65	41.64	-13.90	5.70	28.24
GUF00002	-115.90	-53.28	4.30	1.60	1.60	90.00	53.48	20.58	6.88	4.65	44.59	-123.20	-81.20	17.64
GUI0IFRB	27.50	-10.87	10.20	1.60	1.60	90.00	52.50	20.24	6.88	4.65	36.59	-51.80	33.80	39.68
GUMMRA00	-164.10	-213.93	16.62	1.70	1.60	78.93	52.50	21.52	6.88	4.65	50.83	-169.80	-158.20	26.41
GUY00000	-24.10	-59.18	4.73	1.60	1.60	90.00	52.50	20.57	6.88	4.65	36.56	-100.10	-18.30	46.47
HKG00000	56.60	114.50	22.42	1.60	1.60	90.00	52.50	19.36	6.88	4.65	41.83	44.70	59.20	21.33
HND00000	-75.20	-86.11	15.45	1.60	1.60	90.00	52.50	20.02	6.88	4.65	29.60	-123.80	-48.10	65.67
HNG00000	-21.70	19.17	47.13	1.60	1.60	90.00	52.50	19.03	6.88	4.65	29.28	-22.20	62.40	20.30
HOL00000	-5.70	5.35	52.44	1.60	1.60	90.00	52.50	18.60	6.88	4.65	27.03	-50.10	1.90	27.32
HTI0IFRB	-92.00	-73.00	18.83	1.60	1.60	90.00	52.50	18.30	6.88	4.65	31.44	-122.90	-23.10	59.04
HWA00000	-164.10	-157.61	20.74	1.60	1.60	90.00	52.50	19.81	6.88	4.65	70.88	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	1.60	1.60	90.00	52.50	18.11	6.88	4.65	59.48	-169.80	-158.20	75.33

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I 00000	-32.90	10.71	40.86	2.06	1.60	138.74	52.50	21.18	6.88	4.65	29.95	-32.90	54.10	20.04
IND00000	81.60	83.19	18.84	6.05	5.13	115.65	62.35	21.49	6.88	4.65	33.70	51.30	116.40	46.55
INS00000	114.90	117.61	-1.79	9.37	4.31	169.56	63.94	21.44	6.88	4.65	35.50	101.10	135.00	57.77
IRL00000	15.20	-8.12	53.25	1.60	1.60	90.00	52.50	19.00	6.88	4.65	30.23	-41.00	25.70	23.69
IRN00000	49.60	54.97	32.72	3.51	1.93	149.41	52.58	20.90	6.88	4.65	29.60	20.10	50.00	44.01
IRQ00000	25.40	44.04	33.17	1.96	1.60	153.13	52.50	20.55	6.88	4.65	33.93	5.10	82.50	42.33
ISL00000	-25.20	-19.08	64.90	1.60	1.60	90.00	52.50	19.21	6.88	4.65	34.77	-53.00	14.80	14.98
ISR00000	73.00	35.04	31.32	1.60	1.60	90.00	52.50	18.99	6.88	4.65	30.60	-8.00	78.40	34.21
J 00000	155.60	140.58	30.45	5.67	3.62	17.40	59.82	21.53	6.88	4.65	31.91	94.40	170.90	35.87
JAR00000	-164.10	-160.00	-0.38	1.60	1.60	90.00	52.50	18.08	6.88	4.65	60.63	-169.80	-158.20	85.15
JMC00000	-87.60	-77.59	18.18	1.60	1.60	90.00	52.50	18.23	6.88	4.65	30.65	-127.50	-27.80	65.58
JON00000	-164.10	-168.50	17.00	1.60	1.60	90.00	52.50	17.78	6.88	4.65	69.22	-169.80	-158.20	69.41
JOR00000	99.30	36.70	31.33	1.60	1.60	90.00	52.50	19.39	6.88	4.65	29.31	-28.80	102.90	13.11
KEN00000	79.30	38.41	0.87	2.09	1.60	93.82	52.50	20.75	6.88	4.65	31.64	-10.40	86.30	37.68
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	41.97	113.00	114.30	10.90
KIR0IFRB	150.00	173.00	1.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	34.66	120.60	179.00	63.05
KOR00000	116.20	127.68	36.17	1.60	1.60	90.00	52.50	19.71	6.88	4.65	32.74	83.00	169.60	43.61
KRE00000	145.00	127.80	39.82	1.60	1.60	90.00	52.50	20.38	6.88	4.65	30.87	110.10	150.00	38.11
KWT00000	34.60	47.65	29.07	1.60	1.60	90.00	52.50	18.10	6.88	4.65	35.73	-20.20	115.30	52.11
LAO0IFRB	128.50	103.66	18.15	1.78	1.60	118.45	52.50	20.45	6.88	4.65	34.49	56.60	149.90	50.22
LBN00000	-27.00	35.80	33.83	1.60	1.60	90.00	52.50	18.85	6.88	4.65	41.25	-31.60	103.20	13.88
LBR00000	-41.80	-8.94	6.50	1.60	1.60	90.00	52.50	19.57	6.88	4.65	35.11	-50.40	35.50	49.57
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	53.23	20.85	6.88	4.65	31.24	19.20	54.90	47.66
LIE00000	7.90	9.50	47.20	1.60	1.60	90.00	52.50	18.32	6.88	4.65	27.94	-30.00	15.00	35.73
LSO0IFRB	-18.70	28.40	-29.50	1.60	1.60	90.00	52.50	18.45	6.88	4.65	35.60	-40.10	96.90	28.72
LUX00000	52.80	5.91	49.85	1.60	1.60	90.00	52.50	18.70	6.88	4.65	35.12	-53.90	66.10	17.73
MAC00000	116.80	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	30.67	64.70	162.40	63.78
MAU0IFRB	92.20	57.50	-20.17	1.60	1.60	90.00	52.50	18.61	6.88	4.65	42.45	8.00	107.00	44.30
MCO00000	41.40	7.40	43.67	1.60	1.60	90.00	52.50	18.70	6.88	4.65	29.57	-41.80	56.60	29.27
MDG0IFRB	16.80	46.60	-18.69	2.58	1.60	66.24	54.60	21.44	6.88	4.65	38.08	10.40	81.10	45.48
MDR00000	-7.30	-16.16	31.56	1.60	1.60	90.00	52.50	18.29	6.88	4.65	40.87	-41.90	6.70	50.28
MDW00000	-164.10	-177.42	28.22	1.60	1.60	90.00	52.50	17.96	6.88	4.65	67.71	-169.80	-158.20	53.92
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	57.52	21.48	6.88	4.65	28.22	-136.10	-61.00	39.11
MLA00000	77.20	108.16	4.68	3.06	1.60	0.29	55.83	21.66	6.88	4.65	32.03	76.40	143.20	40.97
MLD0IFRB	117.60	73.40	2.48	2.21	1.60	88.03	52.50	21.27	6.88	4.65	29.91	21.10	124.90	37.92
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	54.52	20.79	6.88	4.65	34.75	-59.90	43.30	60.62
MLT00000	5.60	14.36	35.93	1.60	1.60	90.00	52.50	18.20	6.88	4.65	29.32	-39.80	68.50	47.17
MNG00000	113.60	103.75	46.82	3.64	1.60	2.57	52.50	21.07	6.88	4.65	32.94	60.40	148.90	28.71
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.60	98.03	54.42	21.73	6.88	4.65	33.11	-10.60	90.60	21.83
MRC00000	32.70	-8.86	27.94	3.39	1.60	44.55	52.50	21.21	6.88	4.65	32.85	-50.50	37.50	29.66
MRL00000	-164.10	-184.75	8.75	2.35	1.60	96.04	53.21	21.11	6.88	4.65	57.95	-169.80	-158.20	57.90
MTN0IFRB	-70.60	-10.87	20.16	2.28	1.60	108.57	52.50	21.41	6.88	4.65	35.54	-72.80	44.20	13.08
MWI0IFRB	29.70	34.15	-13.30	1.60	1.60	90.00	52.50	19.96	6.88	4.65	35.04	-25.00	93.70	68.87
MYT00000	-0.10	45.20	-12.83	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.60	-13.90	5.70	36.27
NCG0IFRB	-84.40	-84.88	12.91	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.44	-124.40	-45.90	72.33
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.53	113.00	114.30	24.44
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	52.50	21.05	6.88	4.65	31.63	-54.50	64.60	25.60
NIG00000	42.00	7.85	9.80	2.48	1.60	44.10	54.33	21.48	6.88	4.65	30.98	-29.60	49.60	43.99
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	52.50	20.50	6.88	4.65	35.13	-45.40	82.50	55.61
NOR00000	3.90	11.71	64.57	1.97	1.60	16.53	52.50	21.30	6.88	4.65	30.53	2.90	29.10	3.05
NPL0IFRB	123.30	84.40	27.96	1.60	1.60	90.00	52.50	19.23	6.88	4.65	35.17	30.30	137.60	32.52
NRU0IFRB	146.00	166.90	-0.50	1.60	1.60	90.00	52.50	18.21	6.88	4.65	32.78	114.50	179.00	65.50

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NZL00001	162.70	171.75	-45.92	4.35	1.60	58.61	53.50	21.67	6.88	4.65	49.06	150.90	175.00	3.44
NZL00002	162.70	194.84	-13.20	2.81	2.49	90.42	54.97	21.39	6.88	4.65	48.44	150.90	175.00	39.75
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	55.02	21.07	6.88	4.65	49.39	-123.20	-81.20	44.85
OMA00000	122.20	55.56	21.59	1.85	1.60	64.05	52.50	21.21	6.88	4.65	32.73	-9.80	122.20	10.07
PAK00000	54.90	69.86	29.77	2.93	1.97	22.52	52.77	21.05	6.88	4.65	29.19	34.10	62.00	40.97
PHL0IFRB	89.60	121.25	11.35	3.33	1.60	100.96	55.79	21.65	6.88	4.65	30.44	83.00	159.80	45.90
PLM00000	-164.10	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	68.64	-169.80	-158.20	81.18
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	55.93	21.02	6.88	4.65	34.23	114.20	179.00	71.27
PNR0IFRB	-79.20	-80.16	8.54	1.60	1.60	90.00	52.50	19.57	6.88	4.65	30.58	-120.00	-40.40	78.04
POL00000	18.60	19.19	51.61	1.60	1.60	90.00	52.50	19.73	6.88	4.65	28.79	-14.80	56.40	27.46
POR00000	-7.30	-8.00	39.65	1.60	1.60	90.00	52.50	18.76	6.88	4.65	30.42	-41.90	6.70	41.62
PRG00000	-28.60	-58.48	-23.22	1.85	1.60	133.17	53.08	21.31	6.88	4.65	27.96	-90.40	-23.20	43.68
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	56.69	21.28	6.88	4.65	37.26	-120.40	-38.20	58.99
PTC00000	-61.00	-130.10	-25.07	1.60	1.60	90.00	52.50	18.79	6.88	4.65	40.60	-62.60	-58.50	10.30
QAT00000	-16.90	51.26	25.34	1.60	1.60	90.00	52.50	18.95	6.88	4.65	29.63	-16.90	120.00	10.01
REU00000	-0.10	55.56	-21.12	1.60	1.60	90.00	52.50	19.33	6.88	4.65	42.04	-13.90	5.70	23.30
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	39.47	113.00	114.30	21.57
ROU00000	44.10	25.38	45.58	1.60	1.60	90.00	52.50	20.28	6.88	4.65	27.60	-1.00	51.00	30.82
RRW00000	6.80	29.73	-1.89	1.60	1.60	90.00	52.50	18.09	6.88	4.65	36.78	-30.90	90.80	61.71
S 00000	11.30	16.68	60.88	1.60	1.60	90.00	52.50	19.79	6.88	4.65	28.54	-7.00	47.10	12.20
SCN0IFRB	-88.80	-62.90	17.33	1.60	1.60	90.00	52.50	18.39	6.88	4.65	30.58	-113.20	-12.60	54.09
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	52.85	20.97	6.88	4.65	34.61	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	52.50	20.72	6.88	4.65	36.39	-7.00	15.00	42.79
SEN00000	-46.90	-14.09	13.98	1.60	1.60	90.00	52.50	19.67	6.88	4.65	33.42	-64.40	34.30	46.65
SEY0IFRB	96.50	55.40	-4.50	1.60	1.60	90.00	52.50	18.66	6.88	4.65	29.79	3.10	107.70	42.28
SLM0IFRB	147.50	158.99	-9.05	1.60	1.60	90.00	52.50	20.54	6.88	4.65	31.82	120.40	179.00	68.27
SLV0IFRB	-130.50	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	29.50	-130.50	-47.50	40.05
SMA00000	-164.10	-170.70	-14.22	1.60	1.60	90.00	52.50	17.77	6.88	4.65	49.65	-169.80	-158.20	71.62
SMO00000	-125.50	-172.11	-13.73	1.60	1.60	90.00	52.50	18.94	6.88	4.65	32.03	-175.00	-121.70	34.01
SMR00000	21.90	12.46	43.95	1.60	1.60	90.00	52.50	18.34	6.88	4.65	26.98	-36.40	61.40	38.43
SNG00000	98.10	103.85	1.28	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.08	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.60	72.34	52.50	21.24	6.88	4.65	28.78	-20.00	102.70	24.66
SPM00000	-0.10	-56.40	46.96	1.60	1.60	90.00	52.50	19.04	6.88	4.65	44.35	-13.90	5.70	13.76
SRL0IFRB	-51.80	-11.90	8.50	1.60	1.60	90.00	52.50	18.64	6.88	4.65	34.94	-63.80	40.00	43.01
STP0IFRB	33.40	7.00	1.00	1.60	1.60	90.00	52.50	18.30	6.88	4.65	32.28	-45.40	59.40	59.14
SUI00000	-8.60	8.16	46.49	1.60	1.60	90.00	52.50	18.67	6.88	4.65	26.43	-20.00	35.00	32.63
SUR0IFRB	-76.00	-55.66	3.90	1.60	1.60	90.00	52.50	19.31	6.88	4.65	31.21	-97.00	-15.00	63.39
SWZ00000	33.10	31.29	-26.35	1.60	1.60	90.00	52.50	18.02	6.88	4.65	33.04	-26.80	89.20	58.54
SYR00000	63.90	39.24	34.64	1.60	1.60	90.00	52.50	19.99	6.88	4.65	29.28	10.10	70.00	38.83
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	53.27	20.98	6.88	4.65	35.76	-36.50	67.50	45.39
TCH00000	-12.70	17.32	49.59	1.60	1.60	90.00	52.50	19.95	6.88	4.65	28.27	-21.30	54.40	24.43
TGO00000	-21.10	0.83	8.58	1.60	1.60	90.00	52.50	19.55	6.88	4.65	31.62	-41.00	43.40	61.36
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	54.41	21.25	6.88	4.65	30.33	58.60	137.20	55.69
TON0IFRB	-128.00	-175.17	-21.17	1.60	1.60	90.00	52.50	18.97	6.88	4.65	32.27	-175.00	-126.00	31.98
TRD00000	-72.40	-61.09	10.83	1.60	1.60	90.00	52.50	18.18	6.88	4.65	28.36	-112.30	-9.90	71.08
TUN00000	17.30	9.71	33.43	1.60	1.60	90.00	52.50	19.59	6.88	4.65	30.23	-29.00	48.40	45.72
TUR00000	9.40	34.11	38.87	2.80	1.60	170.97	52.50	21.09	6.88	4.65	29.84	7.10	61.60	31.45
TUV00000	173.00	179.16	-8.50	1.60	1.60	90.00	52.50	18.11	6.88	4.65	47.79	127.30	179.00	77.63
TZA0IFRB	69.50	35.43	-5.93	2.41	1.60	117.15	52.50	20.69	6.88	4.65	33.74	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.60	1.60	90.00	52.50	18.92	6.88	4.65	36.93	-12.70	120.30	53.90
UGA0IFRB	32.30	32.17	0.95	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.98	-27.20	91.60	84.88
URG00000	-86.00	-56.26	-33.70	1.60	1.60	90.00	52.50	19.32	6.88	4.65	36.78	-108.90	-3.50	37.67

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
URS00001	60.00	57.35	48.29	7.50	3.50	177.16	58.92	21.71	6.88	4.65	33.39	56.70	65.40	8.39
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	59.82	21.71	6.88	4.65	32.95	87.70	98.00	7.06
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	58.94	21.71	6.88	4.65	37.96	138.50	140.60	6.02
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	61.48	22.00	6.88	4.65	31.57	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	1.60	1.60	90.00	52.50	19.39	6.88	4.65	34.52	-130.30	-63.50	22.27
VCT0IFRB	-93.10	-61.10	13.17	1.60	1.60	90.00	52.50	18.47	6.88	4.65	31.29	-112.30	-9.90	50.10
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	55.05	21.09	6.88	4.65	32.42	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	1.60	1.60	90.00	52.50	18.27	6.88	4.65	32.37	-102.50	-24.70	61.34
VTN00000	85.10	108.01	14.29	3.64	2.30	132.95	57.11	21.37	6.88	4.65	29.54	85.10	125.00	50.68
VUT0IFRB	150.70	168.41	-17.16	1.60	1.60	90.00	52.50	19.71	6.88	4.65	31.67	127.40	179.00	58.03
WAK00000	-164.10	-193.50	19.20	1.60	1.60	90.00	52.50	18.02	6.88	4.65	61.12	-169.80	-158.20	49.76
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	31.50	113.00	114.30	10.03
YEM0IFRB	37.80	44.36	15.01	1.60	1.60	90.00	52.50	18.65	6.88	4.65	36.25	-24.30	113.20	68.00
YMS00000	108.00	49.91	14.76	1.60	1.60	90.00	52.50	20.26	6.88	4.65	37.94	-16.40	114.40	16.47
YUG00000	31.20	18.47	44.26	1.60	1.60	90.00	52.50	19.81	6.88	4.65	27.83	-25.80	60.20	33.83
ZAI0IFRB	-22.20	22.08	-4.53	3.69	2.58	80.18	58.99	21.95	6.88	4.65	34.64	-23.60	62.60	28.65
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.60	25.92	52.50	20.39	6.88	4.65	33.93	-27.90	82.50	64.58
ZWE00000	-14.00	29.59	-18.91	1.60	1.60	90.00	52.50	19.84	6.88	4.65	35.95	-27.00	85.50	32.55

ITU-R CONFIDENTIAL

SATELLITE POSITION ORDER

ANNEXE 3 - ANNEX 3 - ANEXO 3

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALS00000	-164.10	-159.54	57.48	6.21	1.52	179.75	62.63	31.43	13.00	11.20	46.75	-169.80	-158.20	9.75
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	73.23	38.35	13.00	11.20	52.40	-169.80	-158.20	16.15
GUMMRA00	-164.10	-213.93	16.62	1.70	0.99	78.93	60.84	37.68	13.00	11.20	50.35	-169.80	-158.20	26.41
HWA00000	-164.10	-157.61	20.74	1.24	1.00	157.70	58.70	36.86	13.00	11.20	69.95	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	0.80	0.80	90.00	53.42	32.49	13.00	11.20	60.81	-169.80	-158.20	75.33
JAR00000	-164.10	-160.00	-0.38	0.80	0.80	90.00	53.35	32.42	13.00	11.20	59.89	-169.80	-158.20	85.15
JON00000	-164.10	-168.50	17.00	0.80	0.80	90.00	50.70	27.52	13.00	11.20	63.57	-169.80	-158.20	69.41
MDW00000	-164.10	-177.42	28.22	0.80	0.80	90.00	50.70	27.79	13.00	11.20	61.98	-169.80	-158.20	53.92
MRL00000	-164.10	-184.75	8.75	2.35	1.53	96.04	63.78	37.33	13.00	11.20	62.10	-169.80	-158.20	57.90
PLM00000	-164.10	-161.42	7.20	0.80	0.80	90.00	53.35	32.43	13.00	11.20	67.05	-169.80	-158.20	81.18
SMA00000	-164.10	-170.70	-14.22	0.80	0.80	90.00	50.70	27.51	13.00	11.20	41.73	-169.80	-158.20	71.62
WAK00000	-164.10	-193.50	19.20	0.80	0.80	90.00	50.70	27.88	13.00	11.20	57.28	-169.80	-158.20	49.76
GTM00000	-135.70	-90.47	15.49	0.80	0.80	90.00	56.75	37.79	13.00	11.20	31.24	-139.30	-41.40	33.72
SLV0IFRB	-130.50	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	27.10	-130.50	-47.50	40.05
TON0IFRB	-128.00	-175.17	-21.17	0.80	0.80	90.00	54.21	35.25	13.00	11.20	45.37	-175.00	-126.00	31.98
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	69.54	37.68	13.00	11.20	27.70	-136.10	-61.00	39.11
SMO00000	-125.50	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	42.51	-175.00	-121.70	34.01
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	73.08	38.29	13.00	11.20	31.31	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	0.80	0.80	90.00	54.42	35.46	13.00	11.20	33.69	-130.30	-63.50	22.27
GDL00002	-115.90	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	35.15	-123.20	-81.20	25.66
GUF00002	-115.90	-53.28	4.30	0.80	0.80	90.00	55.55	36.60	13.00	11.20	40.28	-123.20	-81.20	17.64
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	67.70	35.84	13.00	11.20	52.70	-123.20	-81.20	44.85
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	60.29	31.34	13.00	11.20	26.73	-119.00	-113.70	10.17
GRD0IFRB	-104.70	-61.60	12.00	0.80	0.80	90.00	54.08	35.12	13.00	11.20	34.23	-113.00	-10.20	38.82
EQA00000	-104.00	-83.13	-1.41	3.06	1.44	173.53	64.67	37.33	13.00	11.20	35.63	-104.00	-94.10	56.41
CAN0CENT	-103.60	-95.29	51.30	4.12	2.26	159.47	64.76	33.07	13.00	11.20	29.33	-115.10	-101.00	10.12
ABW00000	-98.20	-69.05	12.41	0.80	0.80	90.00	54.48	34.24	13.00	11.20	34.52	-119.40	-18.90	52.23
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	66.38	34.07	13.00	11.20	34.97	-108.00	-90.10	12.57
VCT0IFRB	-93.10	-61.10	13.17	0.80	0.80	90.00	53.90	33.83	13.00	11.20	33.77	-112.30	-9.90	50.10
HTI0IFRB	-92.00	-73.00	18.83	0.80	0.80	90.00	53.77	33.13	13.00	11.20	35.25	-122.90	-23.10	59.04
BLZ00000	-90.80	-88.61	17.24	0.80	0.80	90.00	54.37	33.39	13.00	11.20	32.99	-138.40	-38.70	68.24
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	67.79	37.55	13.00	11.20	39.18	-120.40	-38.20	58.99
SCN0IFRB	-88.80	-62.90	17.33	0.80	0.80	90.00	53.83	33.49	13.00	11.20	32.93	-113.20	-12.60	54.09
JMC00000	-87.60	-77.59	18.18	0.80	0.80	90.00	53.79	32.88	13.00	11.20	32.06	-127.50	-27.80	65.58
URG00000	-86.00	-56.26	-33.70	1.06	0.96	58.09	54.44	32.27	13.00	11.20	32.66	-108.90	-3.50	37.67
CPV0IFRB	-85.60	-24.10	16.00	0.80	0.80	90.00	50.70	29.63	13.00	11.20	36.19	-94.70	46.50	19.09
NCG0IFRB	-84.40	-84.88	12.91	1.10	0.98	15.55	58.10	36.87	13.00	11.20	32.74	-124.40	-45.90	72.33
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	65.82	37.29	13.00	11.20	35.20	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	0.80	0.80	90.00	53.75	33.01	13.00	11.20	33.49	-102.50	-24.70	61.34
CUB00000	-80.60	-79.54	21.02	1.99	0.97	171.62	61.02	35.42	13.00	11.20	31.74	-123.50	-36.10	62.58
PNR0IFRB	-79.20	-80.16	8.54	1.21	1.00	177.09	58.48	36.76	13.00	11.20	31.09	-120.00	-40.40	78.04
GMB00000	-77.30	-16.40	13.40	0.80	0.80	90.00	52.68	31.94	13.00	11.20	31.89	-77.30	44.50	20.08
ATG0IFRB	-76.70	-61.80	17.00	0.80	0.80	90.00	53.73	32.89	13.00	11.20	32.68	-112.20	-11.40	63.70
SUR0IFRB	-76.00	-55.66	3.90	0.99	0.98	58.43	57.52	36.76	13.00	11.20	29.66	-97.00	-15.00	63.39
HND00000	-75.20	-86.11	15.45	1.35	1.00	26.10	59.10	36.90	13.00	11.20	31.58	-123.80	-48.10	65.67
CHL00000	-73.90	-82.36	-32.81	8.13	6.07	153.26	69.90	31.58	13.00	11.20	31.70	-96.40	-53.60	11.48
BAH0IFRB	-73.30	-75.78	23.99	1.61	1.00	132.77	60.10	35.55	13.00	11.20	31.97	-121.10	-32.20	57.15
TRD00000	-72.40	-61.09	10.83	0.80	0.80	90.00	53.64	32.69	13.00	11.20	29.41	-112.30	-9.90	71.08
MTN0IFRB	-70.60	-10.87	20.16	2.28	1.00	108.57	60.53	34.34	13.00	11.20	36.52	-72.80	44.20	13.08
CLM00000	-69.90	-74.00	5.69	4.00	2.33	121.05	67.98	37.39	13.00	11.20	31.10	-110.10	-39.90	69.46
DMA0IFRB	-68.60	-61.30	15.33	0.80	0.80	90.00	53.60	32.63	13.00	11.20	29.37	-112.10	-10.50	70.11
B 00003	-67.70	-49.97	-20.92	4.28	3.03	60.46	69.81	37.79	13.00	11.20	28.29	-70.00	-60.10	47.83

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B 00001	-64.00	-62.55	-6.00	4.15	4.02	43.10	70.71	37.59	13.00	11.20	27.18	-70.00	-60.10	69.54
PTC00000	-61.00	-130.10	-25.07	0.80	0.80	90.00	50.70	28.55	13.00	11.20	34.55	-62.60	-58.50	10.30
B 00002	-60.10	-45.39	-6.26	4.65	4.10	151.77	71.31	37.61	13.00	11.20	29.14	-70.00	-60.10	57.38
ARG00000	-56.50	-62.41	-33.77	4.74	2.94	83.00	70.42	38.08	13.00	11.20	33.07	-58.40	-54.60	26.55
ARGINSUL	-56.50	-60.82	-57.11	3.26	1.44	154.97	59.44	31.32	13.00	11.20	36.27	-58.40	-54.60	7.24
BEL00000	-52.40	4.11	50.31	0.80	0.80	90.00	50.70	30.67	13.00	11.20	33.59	-53.60	62.00	10.74
SRL0IFRB	-51.80	-11.90	8.50	0.80	0.80	90.00	54.02	34.64	13.00	11.20	36.28	-63.80	40.00	43.01
AND00000	-48.50	1.53	42.52	0.80	0.80	90.00	50.87	30.65	13.00	11.20	31.45	-48.60	51.70	20.10
DOM0IFRB	-47.90	-70.40	18.67	0.80	0.80	90.00	53.80	33.30	13.00	11.20	40.79	-120.30	-20.50	56.26
SEN00000	-46.90	-14.09	13.98	1.17	0.98	147.73	58.62	36.01	13.00	11.20	38.71	-64.40	34.30	46.65
DNK00002	-45.60	11.19	55.93	0.80	0.80	90.00	52.26	32.07	13.00	11.20	31.74	-50.00	-43.10	7.51
DNK00FAR	-45.60	-7.18	61.74	0.80	0.80	90.00	50.70	30.28	13.00	11.20	38.64	-50.00	-43.10	12.55
GRL00000	-45.60	-42.04	68.39	2.27	1.00	175.23	57.49	32.22	13.00	11.20	38.77	-50.00	-43.10	2.78
CTR00000	-45.10	-85.62	8.17	1.17	1.00	65.49	58.73	37.15	13.00	11.20	43.26	-125.40	-44.00	41.23
ALG00000	-43.20	1.21	27.82	3.26	1.83	126.90	64.51	34.17	13.00	11.20	32.79	-45.30	52.00	21.67
BRB0IFRB	-42.50	-59.60	13.17	0.80	0.80	90.00	53.72	32.80	13.00	11.20	39.36	-110.80	-8.40	64.86
LBR00000	-41.80	-8.94	6.50	0.80	0.80	90.00	56.86	37.90	13.00	11.20	38.20	-50.40	35.50	49.57
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	60.33	32.71	13.00	11.20	28.37	-54.50	64.60	25.60
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.36	78.07	62.01	34.14	13.00	11.20	36.85	-37.20	74.10	21.20
DNK00001	-35.60	10.91	55.73	0.80	0.80	90.00	51.45	31.58	13.00	11.20	28.89	-40.80	62.20	12.61
I 00000	-32.90	10.71	40.86	2.06	1.00	138.74	59.82	34.08	13.00	11.20	34.80	-32.90	54.10	20.04
GNE0IFRB	-32.30	10.50	1.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	37.24	-32.80	53.80	40.58
BEN00000	-30.60	2.28	9.30	1.23	1.00	89.43	58.80	37.01	13.00	11.20	33.61	-40.20	44.70	48.37
ASCSTHTC	-29.50	-11.51	-19.61	5.58	1.93	80.13	63.03	31.22	13.00	11.20	35.46	-38.50	-27.10	43.25
BERCAYMS	-29.50	-68.30	22.55	3.65	2.06	46.49	67.82	38.16	13.00	11.20	43.51	-38.50	-27.10	28.08
FLKSTGGL	-29.50	-45.85	-59.64	3.84	1.33	166.84	59.88	31.41	13.00	11.20	35.16	-38.50	-27.10	5.32
G 00000	-29.50	-3.84	53.96	1.57	1.00	153.14	55.81	32.02	13.00	11.20	32.65	-38.50	-27.10	17.03
PRG00000	-28.60	-58.48	-23.22	1.85	1.00	133.17	60.93	37.36	13.00	11.20	26.74	-90.40	-23.20	43.68
LBN00000	-27.00	35.80	33.83	0.80	0.80	90.00	50.70	30.15	13.00	11.20	38.51	-31.60	103.20	13.88
ISL00000	-25.20	-19.08	64.90	0.80	0.80	90.00	51.08	31.30	13.00	11.20	30.35	-53.00	14.80	14.98
BOL00000	-24.90	-64.24	-17.15	2.65	1.51	123.95	64.62	37.70	13.00	11.20	30.21	-97.30	-23.20	35.74
GUY00000	-24.10	-59.18	4.73	1.39	1.00	93.91	59.51	37.18	13.00	11.20	35.20	-100.10	-18.30	46.47
ZAI0IFRB	-22.20	22.08	-4.53	3.69	2.58	80.18	68.63	37.94	13.00	11.20	36.32	-23.60	62.60	28.65
HNG00000	-21.70	19.17	47.13	0.80	0.80	90.00	52.70	32.27	13.00	11.20	27.03	-22.20	62.40	20.30
TGO00000	-21.10	0.83	8.58	1.12	1.00	116.38	58.19	36.80	13.00	11.20	31.57	-41.00	43.40	61.36
LSO0IFRB	-18.70	28.40	-29.50	0.80	0.80	90.00	50.70	28.93	13.00	11.20	34.41	-40.10	96.90	28.72
DJI0IFRB	-18.30	42.60	11.67	0.80	0.80	90.00	50.70	29.49	13.00	11.20	31.16	-28.40	113.60	20.29
AUT00000	-17.10	13.66	47.65	0.80	0.80	90.00	53.05	32.86	13.00	11.20	26.35	-18.60	46.40	25.75
QAT00000	-16.90	51.26	25.34	0.80	0.80	90.00	50.70	29.91	13.00	11.20	31.29	-16.90	120.00	10.01
COG0IFRB	-16.00	14.79	-0.55	2.00	1.09	63.46	61.61	37.33	13.00	11.20	30.79	-24.70	56.50	49.72
ZWE00000	-14.00	29.59	-18.91	1.34	1.08	58.17	54.69	31.37	13.00	11.20	30.00	-27.00	85.50	32.55
TCH00000	-12.70	17.32	49.59	1.25	1.00	165.56	55.77	32.65	13.00	11.20	29.66	-21.30	54.40	24.43
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	65.93	35.80	13.00	11.20	37.09	-36.50	67.50	45.39
SUI00000	-8.60	8.16	46.49	0.80	0.80	90.00	50.70	30.61	13.00	11.20	26.28	-20.00	35.00	32.63
AZR00000	-7.30	-28.01	38.69	0.80	0.80	90.00	52.12	32.09	13.00	11.20	45.16	-41.90	6.70	38.12
MDR00000	-7.30	-16.16	31.56	0.80	0.80	90.00	50.70	29.54	13.00	11.20	39.04	-41.90	6.70	50.28
POR00000	-7.30	-8.00	39.65	0.80	0.80	90.00	51.78	31.80	13.00	11.20	37.27	-41.90	6.70	41.62
ATN00000	-5.70	-65.62	15.09	1.31	1.00	55.03	59.77	37.70	13.00	11.20	34.29	-50.10	1.90	17.72
HOL00000	-5.70	5.35	52.44	0.80	0.80	90.00	50.70	29.17	13.00	11.20	26.35	-50.10	1.90	27.32
BDI00000	-3.00	29.94	-3.40	0.80	0.80	90.00	50.70	30.12	13.00	11.20	31.07	-30.50	90.40	50.10
CYP00000	-2.60	33.20	35.10	0.80	0.80	90.00	50.70	30.20	13.00	11.20	27.92	-21.50	87.90	34.41
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	67.19	35.16	13.00	11.20	36.64	-59.90	43.30	60.62

PUBLICATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
F 00000	-0.10	3.11	45.89	2.13	1.11	167.72	59.81	33.67	13.00	11.20	34.12	-13.90	5.70	31.57
GDL00000	-0.10	-61.96	16.31	0.80	0.80	90.00	55.81	36.85	13.00	11.20	30.67	-13.90	5.70	17.29
GUF00000	-0.10	-53.17	4.30	0.80	0.80	90.00	55.34	36.38	13.00	11.20	40.03	-13.90	5.70	28.24
MYT00000	-0.10	45.20	-12.83	0.80	0.80	90.00	54.13	35.17	13.00	11.20	39.74	-13.90	5.70	36.27
REU00000	-0.10	55.56	-21.12	0.80	0.80	90.00	54.42	35.46	13.00	11.20	42.61	-13.90	5.70	23.30
SPM00000	-0.10	-56.40	46.96	0.80	0.80	90.00	53.47	32.55	13.00	11.20	41.18	-13.90	5.70	13.76
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	64.67	34.49	13.00	11.20	37.34	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	60.52	31.05	13.00	11.20	33.83	-7.00	15.00	42.79
ALB00000	2.40	19.99	41.11	0.80	0.80	90.00	52.36	31.88	13.00	11.20	31.71	-29.90	69.80	37.73
NOR00000	3.90	11.71	64.57	1.97	1.00	16.53	57.08	32.34	13.00	11.20	33.07	2.90	29.10	3.05
CTI00000	4.60	-5.85	7.82	1.36	1.24	66.43	60.02	36.86	13.00	11.20	31.35	-15.00	27.10	71.21
MLT00000	5.60	14.36	35.93	0.80	0.80	90.00	50.70	29.58	13.00	11.20	33.95	-39.80	68.50	47.17
RRW00000	6.80	29.73	-1.89	0.80	0.80	90.00	50.70	29.18	13.00	11.20	34.97	-30.90	90.80	61.71
LIE00000	7.90	9.50	47.20	0.80	0.80	90.00	50.70	28.80	13.00	11.20	29.03	-30.00	15.00	35.73
TUR00000	9.40	34.11	38.87	2.80	1.00	170.97	60.95	34.00	13.00	11.20	32.45	7.10	61.60	31.45
BFA00000	10.20	-1.45	12.23	1.74	1.00	23.58	60.35	35.02	13.00	11.20	30.95	-54.60	46.20	67.27
S 00000	11.30	16.68	60.88	1.13	0.99	29.57	53.59	31.45	13.00	11.20	30.33	-7.00	47.10	12.20
CNR00000	12.20	-15.86	28.51	0.80	0.80	90.00	50.70	30.76	13.00	11.20	37.23	-31.10	24.20	42.91
E 00002	12.20	-2.98	39.86	2.08	1.21	7.95	58.18	32.19	13.00	11.20	34.82	-31.10	24.20	35.72
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	60.24	30.40	13.00	11.20	35.63	-45.40	82.50	55.61
GRC00000	14.20	24.71	38.27	1.71	1.03	158.13	58.29	33.42	13.00	11.20	29.77	-8.90	56.80	40.24
IRL00000	15.20	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	28.07	-41.00	25.70	23.69
CAF00000	15.60	21.53	6.46	2.72	1.71	13.92	64.75	37.18	13.00	11.20	32.71	-24.80	57.60	74.76
GHA00000	16.40	-1.28	7.71	1.50	1.07	90.15	59.95	37.00	13.00	11.20	31.84	-41.70	39.30	64.18
MDG0IFRB	16.80	46.60	-18.69	2.58	1.00	66.24	62.51	37.50	13.00	11.20	40.80	10.40	81.10	45.48
TUN00000	17.30	9.71	33.43	1.31	1.00	76.58	54.85	31.74	13.00	11.20	31.32	-29.00	48.40	45.72
POL00000	18.60	19.19	51.61	1.23	0.99	169.13	53.73	31.23	13.00	11.20	31.69	-14.80	56.40	27.46
BOT00000	19.90	23.99	-21.77	1.54	1.51	93.77	54.89	29.95	13.00	11.20	31.00	-41.70	89.90	59.11
BHR00000	20.40	50.60	26.07	0.80	0.80	90.00	50.70	27.78	13.00	11.20	33.92	-18.60	119.80	44.77
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	64.83	37.25	13.00	11.20	34.50	-27.30	51.20	73.08
SMR00000	21.90	12.46	43.95	0.80	0.80	90.00	50.70	29.72	13.00	11.20	27.29	-36.40	61.40	38.43
BUL00000	24.10	25.35	42.93	0.80	0.80	90.00	52.49	32.54	13.00	11.20	29.61	-20.60	71.50	39.08
IRQ00000	25.40	44.04	33.17	1.96	1.12	153.13	57.02	31.75	13.00	11.20	35.69	5.10	82.50	42.33
D 00000	26.40	9.72	50.70	1.08	0.97	41.25	53.17	31.31	13.00	11.20	27.92	-30.40	53.10	25.20
GUI0IFRB	27.50	-10.87	10.20	1.26	1.10	103.62	59.44	37.12	13.00	11.20	39.95	-51.80	33.80	39.68
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	63.13	32.20	13.00	11.20	35.31	-19.20	54.90	47.46
MWI0IFRB	29.70	34.15	-13.30	1.55	1.00	101.44	54.20	30.69	13.00	11.20	32.69	-25.00	93.70	68.87
YUG00000	31.20	18.47	44.26	1.27	1.00	160.61	55.62	32.50	13.00	11.20	30.18	-25.80	60.20	33.83
UGA0IFRB	32.30	32.17	0.95	1.47	1.02	69.56	54.56	31.05	13.00	11.20	34.24	-27.20	91.60	84.88
MRC00000	32.70	-8.86	27.94	3.39	1.00	44.55	60.40	32.98	13.00	11.20	37.12	-50.50	37.50	29.66
SWZ00000	33.10	31.29	-26.35	0.80	0.80	90.00	50.70	29.06	13.00	11.20	33.80	-26.80	89.20	58.54
STP0IFRB	33.40	7.00	1.00	0.80	0.80	90.00	53.77	33.10	13.00	11.20	32.34	-45.40	59.40	59.14
KWT00000	34.60	47.65	29.07	0.80	0.80	90.00	50.70	28.40	13.00	11.20	31.14	-20.20	115.30	52.11
CVA00000	35.40	12.50	41.88	0.80	0.80	90.00	50.70	29.95	13.00	11.20	30.09	-38.10	63.10	36.31
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.55	25.92	58.01	30.73	13.00	11.20	34.76	-27.90	82.50	64.58
GNB0IFRB	36.70	-15.40	12.00	0.80	0.80	90.00	51.24	30.86	13.00	11.20	31.96	-76.50	45.70	29.36
YEM0IFRB	37.80	44.36	15.01	1.05	1.00	45.95	51.17	29.63	13.00	11.20	30.10	-24.30	113.20	68.00
DDR00000	38.70	12.60	51.36	0.80	0.80	90.00	51.91	32.12	13.00	11.20	32.16	-26.80	51.70	23.40
GAB0IFRB	39.90	11.70	-0.74	1.35	1.04	79.25	59.37	37.00	13.00	11.20	28.73	-29.20	52.00	53.71
MCO00000	41.40	7.40	43.67	0.80	0.80	90.00	52.95	32.16	13.00	11.20	33.79	-41.80	56.60	29.27
NIG00000	42.00	7.85	9.80	2.48	1.58	44.10	64.39	37.56	13.00	11.20	33.49	-29.60	49.60	43.99
AFG00000	43.40	66.41	33.86	2.06	1.30	13.31	56.65	30.89	13.00	11.20	26.39	42.30	95.80	35.69

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ROU00000	44.10	25.38	45.58	1.41	0.98	0.65	55.75	32.33	13.00	11.20	29.41	-1.00	51.00	30.82
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	61.74	30.53	13.00	11.20	29.08	20.10	60.00	51.82
FNL00000	46.80	23.79	64.34	1.48	1.47	23.28	54.73	31.45	13.00	11.20	30.98	7.10	46.80	10.01
IRN00000	49.60	54.97	32.72	3.51	1.93	149.41	62.43	32.21	13.00	11.20	28.75	20.10	50.00	44.01
LUX00000	52.80	5.91	49.85	0.80	0.80	90.00	50.70	29.28	13.00	11.20	35.64	-53.90	66.10	17.73
PAK00000	54.90	69.86	29.77	2.93	1.97	22.52	64.60	34.35	13.00	11.20	30.11	34.10	62.00	40.97
CYPSBA00	56.60	32.95	34.58	0.80	0.80	90.00	50.70	29.81	13.00	11.20	30.16	44.70	59.20	42.56
GIB00000	56.60	-5.35	36.15	0.80	0.80	90.00	54.13	33.02	13.00	11.20	40.08	44.70	59.20	13.88
HKG00000	56.60	114.50	22.42	0.80	0.80	90.00	54.42	35.46	13.00	11.20	37.92	44.70	59.20	21.33
URS00001	60.00	57.35	48.29	7.50	3.50	177.16	68.79	33.85	13.00	11.20	33.37	56.70	65.40	8.39
SYR00000	63.90	39.24	34.64	1.36	0.96	31.73	55.39	32.21	13.00	11.20	28.15	10.10	70.00	38.83
BRM0IFRB	66.10	96.71	18.77	3.22	1.31	107.29	64.78	37.63	13.00	11.20	37.86	57.60	131.00	42.39
EGY00000	68.30	30.29	26.22	2.31	1.55	53.82	58.29	31.18	13.00	11.20	27.95	-10.30	69.50	30.96
TZA0IFRB	69.50	35.43	-5.93	2.41	1.43	117.15	59.62	32.25	13.00	11.20	33.65	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.11	0.99	12.14	51.20	29.58	13.00	11.20	33.15	-12.70	120.30	53.90
AFS00000	71.00	27.19	-30.05	5.32	1.43	128.26	64.21	33.27	13.00	11.20	38.46	-25.80	84.20	22.24
ISR00000	73.00	35.04	31.32	0.80	0.80	90.00	54.54	33.71	13.00	11.20	29.45	-8.00	78.40	34.21
ETH00000	74.90	40.90	10.33	2.75	2.22	77.32	61.81	32.08	13.00	11.20	30.85	-4.00	85.00	40.95
MLA00000	77.20	108.16	4.68	3.06	1.39	0.29	64.85	37.67	13.00	11.20	29.36	76.40	143.20	40.97
KEN00000	79.30	38.41	0.87	2.09	1.28	93.82	58.85	32.49	13.00	11.20	28.96	-10.40	86.30	37.68
IND00000	81.60	83.19	18.84	6.05	5.13	115.65	73.59	37.78	13.00	11.20	34.09	51.30	116.40	46.55
VTN00000	85.10	108.01	14.29	3.64	2.30	132.95	67.66	37.53	13.00	11.20	28.66	85.10	125.00	50.68
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	70.65	33.85	13.00	11.20	30.48	87.70	98.00	7.06
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.05	98.03	64.07	38.05	13.00	11.20	34.92	-10.60	90.60	21.83
PHL0IFRB	89.60	121.25	11.35	3.33	1.53	100.96	65.70	37.73	13.00	11.20	29.49	83.00	159.80	45.90
MAU0IFRB	92.20	57.50	-20.17	0.80	0.80	90.00	54.00	34.44	13.00	11.20	45.25	8.00	107.00	44.30
COM0IFRB	94.10	44.10	-12.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	31.29	-7.30	95.50	31.53
CBG0IFRB	96.10	105.06	12.85	1.18	1.00	35.40	58.42	36.80	13.00	11.20	33.91	61.20	144.20	68.33
SEY0IFRB	96.50	55.40	-4.50	0.80	0.80	90.00	54.01	34.76	13.00	11.20	38.81	3.10	107.70	42.28
BTN0IFRB	96.80	90.43	27.22	0.80	0.80	90.00	50.70	30.54	13.00	11.20	27.30	34.30	146.60	56.19
SNG00000	98.10	103.85	1.28	0.80	0.80	90.00	53.60	34.64	13.00	11.20	29.07	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.00	72.34	60.13	33.10	13.00	11.20	34.66	-20.00	102.70	24.66
JOR00000	99.30	36.70	31.33	0.80	0.80	90.00	52.46	32.36	13.00	11.20	28.07	-28.80	102.90	13.11
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	74.49	36.84	13.00	11.20	40.97	90.40	139.40	25.55
YMS00000	108.00	49.91	14.76	1.36	1.00	52.87	55.21	31.97	13.00	11.20	34.59	-16.40	114.40	16.47
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	37.90	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	38.25	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	30.41	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.46	35.50	13.00	11.20	39.38	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	30.86	113.00	114.30	10.03
MNG00000	113.60	103.75	46.82	3.64	1.15	2.57	60.55	32.41	13.00	11.20	30.30	60.40	148.90	28.71
INS00000	114.90	117.61	-1.79	9.37	4.31	169.56	74.58	37.62	13.00	11.20	37.05	101.10	135.00	57.77
KOR00000	116.20	127.68	36.17	1.25	0.98	3.57	56.71	33.40	13.00	11.20	30.86	83.00	169.60	43.61
MAC00000	116.80	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	28.67	64.70	162.40	63.78
MLD0IFRB	117.60	73.40	2.48	2.21	0.80	88.03	60.98	37.61	13.00	11.20	32.45	21.10	124.90	37.92
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	64.93	37.40	13.00	11.20	29.29	58.60	137.20	55.69
CLN00000	121.50	80.09	7.67	0.80	0.80	90.00	54.40	35.25	13.00	11.20	32.18	28.10	131.90	41.35
OMA00000	122.20	55.56	21.59	1.85	1.00	64.05	56.26	31.84	13.00	11.20	34.31	-9.80	122.20	10.07
NPL0IFRB	123.30	84.40	27.96	0.80	0.80	90.00	53.69	33.41	13.00	11.20	32.94	30.30	137.60	32.52
LAO0IFRB	128.50	103.66	18.15	1.78	1.01	118.45	60.59	36.06	13.00	11.20	32.73	56.60	149.90	50.22
BGD00000	133.00	90.16	23.96	0.80	0.80	90.00	57.03	38.07	13.00	11.20	40.92	44.60	135.50	32.17
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	68.73	33.85	13.00	11.20	35.02	138.50	140.60	6.02

PUBLICATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	74.28	37.91	13.00	11.20	42.19	102.20	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.56	1.00	15.32	57.97	33.55	13.00	11.20	47.53	102.20	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.15	1.00	15.16	53.97	31.52	13.00	11.20	36.34	102.20	148.10	34.37
AUS00004	144.10	158.97	-54.47	0.80	0.80	90.00	50.70	27.71	13.00	11.20	45.76	102.20	148.10	26.39
AUS00005	144.10	110.42	-66.27	0.80	0.80	90.00	50.70	28.18	13.00	11.20	48.16	102.20	148.10	11.04
KRE00000	145.00	127.80	39.82	1.41	1.00	14.40	59.68	36.68	13.00	11.20	28.01	110.10	150.00	38.11
NRU0IFRB	146.00	166.90	-0.50	0.80	0.80	90.00	53.70	32.79	13.00	11.20	35.53	114.50	179.00	65.50
SLM0IFRB	147.50	158.99	-9.05	1.53	1.00	147.14	59.73	36.98	13.00	11.20	30.24	120.40	179.00	68.27
FJI0IFRB	148.80	178.50	-17.17	0.80	0.80	90.00	53.90	33.78	13.00	11.20	40.07	128.20	179.00	50.58
KIR0IFRB	150.00	173.00	1.00	0.80	0.80	90.00	53.73	32.91	13.00	11.20	38.94	120.60	179.00	63.05
VUT0IFRB	150.70	168.41	-17.16	1.17	1.00	121.88	58.48	36.90	13.00	11.20	35.98	127.40	179.00	58.03
CHN00002	151.30	115.32	16.37	4.80	1.99	65.40	68.43	37.73	13.00	11.20	29.99	75.00	151.30	35.61
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	66.94	37.28	13.00	11.20	34.09	114.20	179.00	71.27
J 00000	155.60	140.58	30.45	5.67	3.62	17.40	71.95	37.47	13.00	11.20	32.34	94.40	170.90	35.87
BRU0IFRB	157.30	114.60	4.50	0.80	0.80	90.00	54.05	35.09	13.00	11.20	26.07	71.50	157.70	40.51
NZL00001	162.70	171.75	-45.92	4.35	1.26	58.61	62.47	33.14	13.00	11.20	48.79	150.90	175.00	3.44
NZL00002	162.70	194.84	-13.20	2.81	2.49	90.42	67.14	37.25	13.00	11.20	53.15	150.90	175.00	39.75
TUV00000	173.00	179.16	-8.50	0.80	0.80	90.00	53.39	32.47	13.00	11.20	48.18	127.30	179.00	77.63

ANNEXE 4 - ANNEX 4 - ANEXO 4

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ABW00000	-98.20	-69.05	12.41	0.80	0.80	90.00	54.48	34.24	13.00	11.20	34.52	-119.40	-18.90	52.23
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	37.90	113.00	114.30	12.16
AFG00000	43.40	66.41	33.86	2.06	1.30	13.31	56.65	30.89	13.00	11.20	26.39	42.30	95.80	35.69
AFS00000	71.00	27.19	-30.05	5.32	1.43	128.26	64.21	33.27	13.00	11.20	38.46	-25.80	84.20	22.24
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.36	78.07	62.01	34.14	13.00	11.20	36.85	-37.20	74.10	21.20
ALB00000	2.40	19.99	41.11	0.80	0.80	90.00	52.36	31.88	13.00	11.20	31.71	-29.90	69.80	37.73
ALG00000	-43.20	1.21	27.82	3.26	1.83	126.90	64.51	34.17	13.00	11.20	32.79	-45.30	52.00	21.67
ALS00000	-164.10	-159.54	57.48	6.21	1.52	179.75	62.63	31.43	13.00	11.20	46.75	-169.80	-158.20	9.75
AND00000	-48.50	1.53	42.52	0.80	0.80	90.00	50.87	30.65	13.00	11.20	31.45	-48.60	51.70	20.10
ARG00000	-56.50	-62.41	-33.77	4.74	2.94	83.00	70.42	38.08	13.00	11.20	33.07	-58.40	-54.60	26.55
ARGINSUL	-56.50	-60.82	-57.11	3.26	1.46	154.97	59.44	31.32	13.00	11.20	36.27	-58.40	-54.60	7.24
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	61.74	30.53	13.00	11.20	29.08	20.10	60.00	51.82
ASCSTHTC	-29.50	-11.51	-19.61	5.58	1.93	80.13	63.03	31.22	13.00	11.20	35.46	-38.50	-27.10	43.25
ATG0IFRB	-76.70	-61.80	17.00	0.80	0.80	90.00	53.73	32.89	13.00	11.20	32.68	-112.20	-11.40	63.70
ATN00000	-5.70	-65.62	15.09	1.31	1.00	55.03	59.77	37.70	13.00	11.20	34.29	-50.10	1.90	17.72
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	74.28	37.91	13.00	11.20	42.19	102.20	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.56	1.00	15.32	57.97	33.55	13.00	11.20	47.53	102.20	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.15	1.00	15.16	53.97	31.52	13.00	11.20	36.34	102.20	148.10	34.37
AUS00004	144.10	158.97	-54.47	0.80	0.80	90.00	50.70	27.71	13.00	11.20	45.76	102.20	148.10	26.39
AUS00005	144.10	110.42	-66.27	0.80	0.80	90.00	50.70	28.18	13.00	11.20	48.16	102.20	148.10	11.04
AUT00000	-17.10	13.66	47.65	0.80	0.80	90.00	53.05	32.86	13.00	11.20	26.35	-18.60	46.40	25.75
AZR00000	-7.30	-28.01	38.69	0.80	0.80	90.00	52.12	32.09	13.00	11.20	45.16	-41.90	6.70	38.12
B 00001	-64.00	-62.55	-6.00	4.15	4.02	43.10	70.71	37.59	13.00	11.20	27.18	-70.00	-60.10	69.54
B 00002	-60.10	-45.39	-6.26	4.65	4.10	151.77	71.31	37.61	13.00	11.20	29.14	-70.00	-60.10	57.38
B 00003	-67.70	-49.97	-20.92	4.28	3.03	60.46	69.81	37.79	13.00	11.20	28.29	-70.00	-60.10	47.83
BAH0IFRB	-73.30	-75.78	23.99	1.61	1.00	132.77	60.10	35.55	13.00	11.20	31.97	-121.10	-32.20	57.15
BDI00000	-3.00	29.94	-3.40	0.80	0.80	90.00	50.70	30.12	13.00	11.20	31.07	-30.50	90.40	50.10
BEL00000	-52.40	4.11	50.31	0.80	0.80	90.00	50.70	30.67	13.00	11.20	33.59	-53.60	62.00	10.74
BEN00000	-30.60	2.28	9.30	1.23	1.00	89.43	58.80	37.01	13.00	11.20	33.61	-40.20	44.70	48.37
BERCAYMS	-29.50	-68.30	22.55	3.65	2.06	46.49	67.82	38.16	13.00	11.20	43.51	-38.50	-27.10	28.08
BFA00000	10.20	-1.45	12.23	1.74	1.00	23.58	60.35	35.02	13.00	11.20	30.95	-54.60	46.20	67.27
BGD00000	133.00	90.16	23.96	0.80	0.80	90.00	57.03	38.07	13.00	11.20	40.92	44.60	135.50	32.17
BHR00000	20.40	50.60	26.07	0.80	0.80	90.00	50.70	27.78	13.00	11.20	33.92	-18.60	119.80	44.77
BLZ00000	-90.80	-88.61	17.24	0.80	0.80	90.00	54.37	33.39	13.00	11.20	32.99	-138.40	-38.70	68.24
BOL00000	-24.90	-64.24	-17.15	2.65	1.51	123.95	64.62	37.70	13.00	11.20	30.21	-97.30	-23.20	35.74
BOT00000	19.90	23.99	-21.77	1.54	1.51	93.77	54.89	29.95	13.00	11.20	31.00	-41.70	89.90	59.11
BRB0IFRB	-42.50	-59.60	13.17	0.80	0.80	90.00	53.72	32.80	13.00	11.20	39.36	-119.80	-8.40	64.86
BRM0IFRB	66.10	96.71	18.77	3.22	1.31	107.29	64.78	37.63	13.00	11.20	37.86	57.60	131.00	42.39
BRU0IFRB	157.30	114.60	4.50	0.80	0.80	90.00	54.05	35.09	13.00	11.20	26.07	71.50	157.70	40.51
BTN0IFRB	96.80	90.43	27.22	0.80	0.80	90.00	50.70	30.54	13.00	11.20	27.30	34.30	146.60	56.19
BUL00000	24.10	25.35	42.93	0.80	0.80	90.00	52.49	32.54	13.00	11.20	29.61	-20.60	71.50	39.08
CAF00000	15.60	21.53	6.46	2.72	1.71	13.92	64.75	37.18	13.00	11.20	32.71	-24.80	57.60	74.76
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	66.38	34.07	13.00	11.20	34.97	-108.00	-90.10	12.57
CAN0CENT	-103.60	-95.29	51.30	4.12	2.26	159.47	64.76	33.07	13.00	11.20	29.33	-115.10	-101.00	10.12
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	60.29	31.34	13.00	11.20	26.73	-119.00	-113.70	10.17
CAR00000	-164.10	-189.54	4.55	9.85	2.54	176.29	73.23	38.35	13.00	11.20	52.40	-169.80	-158.20	16.15
CBG0IFRB	96.10	105.06	12.85	1.18	1.00	35.40	58.42	36.80	13.00	11.20	33.91	61.20	144.20	68.33
CHL00000	-73.90	-82.36	-32.81	8.13	6.07	153.26	69.90	31.58	13.00	11.20	31.70	-96.40	-53.60	11.48
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	74.49	36.84	13.00	11.20	40.97	90.40	139.40	25.55
CHN00002	151.30	115.32	16.37	4.80	1.99	65.40	68.43	37.73	13.00	11.20	29.99	75.00	151.30	35.61
CLM00000	-69.90	-74.00	5.69	4.00	2.33	121.05	67.98	37.39	13.00	11.20	31.10	-110.10	-39.90	69.46
CLN00000	121.50	80.09	7.67	0.80	0.80	90.00	54.40	35.25	13.00	11.20	32.18	28.10	131.90	41.35

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :

SLT.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	64.83	37.25	13.00	11.20	34.50	-27.30	51.20	73.08
CNR00000	12.20	-15.86	28.51	0.80	0.80	90.00	50.70	30.76	13.00	11.20	37.23	-31.10	24.20	42.91
COG0IFRB	-16.00	14.79	-0.55	2.00	1.09	63.46	61.61	37.33	13.00	11.20	30.79	-24.70	56.50	49.72
COM0IFRB	94.10	44.10	-12.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	31.29	-7.30	95.50	31.53
CPV0IFRB	-85.60	-24.10	16.00	0.80	0.80	90.00	50.70	29.63	13.00	11.20	36.19	-94.70	46.50	19.09
CTI00000	4.60	-5.85	7.82	1.36	1.24	66.43	60.02	36.86	13.00	11.20	31.35	-15.00	27.10	71.21
CTR00000	-45.10	-85.62	8.17	1.17	1.00	65.49	58.73	37.15	13.00	11.20	43.26	-125.40	-44.00	41.23
CUB00000	-80.60	-79.54	21.02	1.99	0.97	171.62	61.02	35.42	13.00	11.20	31.74	-123.50	-36.10	62.58
CVA00000	35.40	12.50	41.88	0.80	0.80	90.00	50.70	29.95	13.00	11.20	30.09	-38.10	63.10	36.31
CYP00000	-2.60	33.20	35.10	0.80	0.80	90.00	50.70	30.20	13.00	11.20	27.92	-21.50	87.90	34.41
CYPSBA00	56.60	32.95	34.58	0.80	0.80	90.00	50.70	29.81	13.00	11.20	30.16	44.70	59.20	42.56
D 00000	26.40	9.72	50.70	1.08	0.97	41.25	53.17	31.31	13.00	11.20	27.92	-30.40	53.10	25.20
DDR00000	38.70	12.60	51.36	0.80	0.80	90.00	51.91	32.12	13.00	11.20	32.16	-26.80	51.70	23.40
DJI0IFRB	-18.30	42.60	11.67	0.80	0.80	90.00	50.70	29.49	13.00	11.20	31.16	-28.40	113.60	20.29
DMA0IFRB	-68.60	-61.30	15.33	0.80	0.80	90.00	53.60	32.63	13.00	11.20	29.37	-112.10	-10.50	70.11
DNK00001	-35.60	10.91	55.73	0.80	0.80	90.00	51.45	31.58	13.00	11.20	28.89	-40.80	62.20	12.61
DNK00002	-45.60	11.19	55.93	0.80	0.80	90.00	52.26	32.07	13.00	11.20	31.74	-50.00	-43.10	7.51
DNK00FAR	-45.60	-7.18	61.74	0.80	0.80	90.00	50.70	30.28	13.00	11.20	38.64	-50.00	-43.10	12.55
DOM0IFRB	-47.90	-70.40	18.67	0.80	0.80	90.00	53.80	33.30	13.00	11.20	40.79	-120.30	-20.50	56.26
E 00002	12.20	-2.98	39.86	2.08	1.21	7.95	58.18	32.19	13.00	11.20	34.82	-31.10	24.20	35.72
EGY00000	68.30	30.29	26.22	2.31	1.55	53.82	58.29	31.18	13.00	11.20	27.95	-10.30	69.50	30.96
EQA00000	-104.00	-83.13	-1.41	3.06	1.44	173.53	64.67	37.33	13.00	11.20	35.63	-104.00	-94.10	56.41
ETH00000	74.90	40.90	10.33	2.75	2.22	77.32	61.81	32.08	13.00	11.20	30.85	-4.00	85.00	40.95
F 00000	-0.10	3.11	45.89	2.13	1.11	167.72	59.81	33.67	13.00	11.20	34.12	-13.90	5.70	31.57
FJI0IFRB	148.80	178.50	-17.17	0.80	0.80	90.00	53.90	33.78	13.00	11.20	40.07	128.20	179.00	50.58
FLKSTGGL	-29.50	-45.85	-59.64	3.84	1.33	166.84	59.88	31.41	13.00	11.20	35.16	-38.50	-27.10	5.32
FNL00000	46.80	23.79	64.34	1.48	1.00	23.28	54.73	31.45	13.00	11.20	30.98	7.10	46.80	10.01
G 00000	-29.50	-3.84	53.96	1.57	1.00	153.14	55.81	32.02	13.00	11.20	32.65	-38.50	-27.10	17.03
GAB0IFRB	39.90	11.70	-0.74	1.35	1.04	79.25	59.37	37.00	13.00	11.20	28.73	-29.20	52.00	53.71
GDL00000	-0.10	-61.96	16.31	0.80	0.80	90.00	55.81	36.85	13.00	11.20	30.67	-13.90	5.70	17.29
GDL00002	-115.90	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	35.15	-123.20	-81.20	25.66
GHA00000	16.40	-1.28	7.71	1.50	1.07	90.15	59.95	37.00	13.00	11.20	31.84	-41.70	39.30	64.18
GIB00000	56.60	-5.35	36.15	0.80	0.80	90.00	54.13	33.02	13.00	11.20	40.08	44.70	59.20	13.88
GMB00000	-77.30	-16.40	13.40	0.80	0.80	90.00	52.68	31.94	13.00	11.20	31.89	-77.30	44.50	20.08
GNB0IFRB	36.70	-15.40	12.00	0.80	0.80	90.00	51.24	30.86	13.00	11.20	31.96	-76.50	45.70	29.36
GNE0IFRB	-32.30	10.50	1.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	37.24	-32.80	53.80	40.58
GRC00000	14.20	24.71	38.27	1.71	1.03	158.13	58.29	33.42	13.00	11.20	29.77	-8.90	56.80	40.24
GRD0IFRB	-104.70	-61.60	12.00	0.80	0.80	90.00	54.08	35.12	13.00	11.20	34.23	-113.00	-10.20	38.82
GRL00000	-45.60	-42.04	68.39	2.27	1.00	175.23	57.49	32.22	13.00	11.20	38.77	-50.00	-43.10	2.78
GTM00000	-135.70	-90.47	15.49	0.80	0.80	90.00	56.75	37.79	13.00	11.20	31.24	-139.30	-41.40	33.72
GUF00000	-0.10	-53.17	4.30	0.80	0.80	90.00	55.34	36.38	13.00	11.20	40.03	-13.90	5.70	28.24
GUF00002	-115.90	-53.28	4.30	0.80	0.80	90.00	55.55	36.60	13.00	11.20	40.28	-123.20	-81.20	17.64
GUI0IFRB	27.50	-10.87	10.20	1.26	1.10	103.62	59.44	37.12	13.00	11.20	39.95	-51.80	33.80	39.68
GUMMRA00	-164.10	-213.93	16.62	1.70	0.99	78.93	60.84	37.68	13.00	11.20	50.35	-169.80	-158.20	26.41
GUY00000	-24.10	-59.18	4.73	1.39	1.00	93.91	59.51	37.18	13.00	11.20	35.20	-100.10	-18.30	46.47
HKG00000	56.60	114.50	22.42	0.80	0.80	90.00	54.42	35.46	13.00	11.20	37.92	44.70	59.20	21.33
HND00000	-75.20	-86.11	15.45	1.35	1.00	26.10	59.10	36.90	13.00	11.20	31.58	-123.80	-48.10	65.67
HNG00000	-21.70	19.17	47.13	0.80	0.80	90.00	52.70	32.27	13.00	11.20	27.03	-22.20	62.40	20.30
HOL00000	-5.70	5.35	52.44	0.80	0.80	90.00	50.70	29.17	13.00	11.20	26.35	-50.10	1.90	27.32
HTI0IFRB	-92.00	-73.00	18.83	0.80	0.80	90.00	53.77	33.13	13.00	11.20	35.25	-122.90	-23.10	59.04
HWA00000	-164.10	-157.61	20.74	1.24	1.00	157.70	58.70	36.86	13.00	11.20	69.95	-169.80	-158.20	63.43
HWL00000	-164.10	-176.58	0.08	0.80	0.80	90.00	53.42	32.49	13.00	11.20	60.81	-169.80	-158.20	75.33

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 6-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :

SLT.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I 00000	-32.90	10.71	40.86	2.06	1.00	138.74	59.82	34.08	13.00	11.20	34.80	-32.90	54.10	20.04
IND00000	81.60	83.19	18.84	6.05	5.13	115.65	73.59	37.78	13.00	11.20	34.09	51.30	116.40	46.55
INS00000	114.90	117.61	-1.79	9.37	4.31	169.56	74.58	37.62	13.00	11.20	37.05	101.10	135.00	57.77
IRL00000	15.20	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	28.07	-41.00	25.70	23.69
IRN00000	49.60	54.97	32.72	3.51	1.93	149.41	62.43	32.21	13.00	11.20	28.75	20.10	50.00	44.01
IRQ00000	25.40	44.04	33.17	1.96	1.12	153.13	57.02	31.75	13.00	11.20	35.69	5.10	82.50	42.33
ISL00000	-25.20	-19.08	64.90	0.80	0.80	90.00	51.08	31.30	13.00	11.20	30.35	-53.00	14.80	14.98
ISR00000	73.00	35.04	31.32	0.80	0.80	90.00	54.54	33.71	13.00	11.20	29.45	-8.00	78.40	34.21
J 00000	155.60	140.58	30.45	5.67	3.62	17.40	71.95	37.47	13.00	11.20	32.34	94.40	170.90	35.87
JAR00000	-164.10	-160.00	-0.38	0.80	0.80	90.00	53.35	32.42	13.00	11.20	59.89	-169.80	-158.20	85.15
JMC00000	-87.60	-77.59	18.18	0.80	0.80	90.00	53.79	32.88	13.00	11.20	32.06	-127.50	-27.80	65.58
JON00000	-164.10	-168.50	17.00	0.80	0.80	90.00	50.70	27.52	13.00	11.20	63.57	-169.80	-158.20	69.41
JOR00000	99.30	36.70	31.33	0.80	0.80	90.00	52.46	32.36	13.00	11.20	28.07	-28.80	102.90	13.11
KEN00000	79.30	38.41	0.87	2.09	1.28	93.82	58.85	32.49	13.00	11.20	28.96	-10.40	86.30	37.68
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	38.25	113.00	114.30	10.90
KIR0IFRB	150.00	173.00	1.00	0.80	0.80	90.00	53.73	32.91	13.00	11.20	38.94	120.60	179.00	63.05
KOR00000	116.20	127.68	36.17	1.25	0.98	3.57	56.71	33.40	13.00	11.20	30.86	83.00	169.60	43.61
KRE00000	145.00	127.80	39.82	1.41	1.00	14.40	59.68	36.68	13.00	11.20	28.01	110.10	150.00	38.11
KWT00000	34.60	47.65	29.07	0.80	0.80	90.00	50.70	28.40	13.00	11.20	31.14	-20.20	115.30	52.11
LAO0IFRB	128.50	103.66	18.15	1.78	1.01	118.45	60.59	36.06	13.00	11.20	32.73	56.60	149.90	50.22
LBN00000	-27.00	35.80	33.83	0.80	0.80	90.00	50.70	30.15	13.00	11.20	38.51	-31.60	103.20	13.88
LBR00000	-41.80	-8.94	6.50	0.80	0.80	90.00	56.86	37.90	13.00	11.20	38.20	-50.40	35.50	49.57
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	63.13	32.20	13.00	11.20	35.31	-19.20	54.90	47.46
LIE00000	7.90	9.50	47.20	0.80	0.80	90.00	50.70	28.80	13.00	11.20	29.03	-30.00	15.00	35.73
LSO0IFRB	-18.70	28.40	-29.50	0.80	0.80	90.00	50.70	28.93	13.00	11.20	34.41	-40.10	96.90	28.72
LUX00000	52.80	5.91	49.85	0.80	0.80	90.00	50.70	29.28	13.00	11.20	35.64	-53.90	66.10	17.73
MAC00000	116.80	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	28.67	64.70	162.40	63.78
MAU0IFRB	92.20	57.50	-20.17	0.80	0.80	90.00	54.00	34.44	13.00	11.20	45.25	8.00	107.00	44.30
MCO00000	41.40	7.40	43.67	0.80	0.80	90.00	52.95	32.16	13.00	11.20	33.79	-41.80	56.60	29.27
MDG0IFRB	16.80	46.60	-18.69	2.58	1.00	66.24	62.51	37.50	13.00	11.20	40.80	10.40	81.10	45.48
MDR00000	-7.30	-16.16	31.56	0.80	0.80	90.00	50.70	29.54	13.00	11.20	39.04	-41.90	6.70	50.28
MDW00000	-164.10	-177.42	28.22	0.80	0.80	90.00	50.70	27.79	13.00	11.20	61.98	-169.80	-158.20	53.92
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	69.54	37.68	13.00	11.20	27.70	-136.10	-61.00	39.11
MLA00000	77.20	108.16	4.68	3.06	1.39	0.29	64.85	37.67	13.00	11.20	29.36	76.40	143.20	40.97
MLD0IFRB	117.60	73.40	2.48	2.21	0.80	88.03	60.98	37.61	13.00	11.20	32.45	21.10	124.90	37.92
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	67.19	35.16	13.00	11.20	36.64	-59.90	43.30	60.62
MLT00000	5.60	14.36	35.93	0.80	0.80	90.00	50.70	29.58	13.00	11.20	33.95	-39.80	68.50	47.17
MNG00000	113.60	103.75	46.82	3.64	1.15	2.57	60.55	32.41	13.00	11.20	30.30	60.40	148.90	28.71
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.05	98.03	64.07	38.05	13.00	11.20	34.92	-10.60	90.60	21.83
MRC00000	32.70	-8.86	27.94	3.39	1.00	44.55	60.40	32.98	13.00	11.20	37.12	-50.50	37.50	29.66
MRL00000	-164.10	-184.75	8.75	2.35	1.53	96.04	63.78	37.33	13.00	11.20	62.10	-169.80	-158.20	57.90
MTN0IFRB	-70.60	-10.87	20.16	2.28	1.00	108.57	60.53	34.34	13.00	11.20	36.52	-72.80	44.20	13.08
MWI0IFRB	29.70	34.15	-13.30	1.55	1.00	101.44	54.20	30.69	13.00	11.20	32.69	-25.00	93.70	68.87
MYT00000	-0.10	45.20	-12.83	0.80	0.80	90.00	54.13	35.17	13.00	11.20	39.74	-13.90	5.70	36.27
NCG0IFRB	-84.40	-84.88	12.91	1.10	0.98	15.55	58.10	36.87	13.00	11.20	32.74	-124.40	-45.90	72.33
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	30.41	113.00	114.30	24.44
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	60.33	32.71	13.00	11.20	28.37	-54.50	64.60	25.60
NIG00000	42.00	7.85	9.80	2.48	1.58	44.10	64.39	37.56	13.00	11.20	33.49	-29.60	49.60	43.99
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	60.24	30.40	13.00	11.20	35.63	-45.40	82.50	55.61
NOR00000	3.90	11.71	64.57	1.97	1.00	16.53	57.08	32.34	13.00	11.20	33.07	2.90	29.10	3.05
NPL0IFRB	123.30	84.40	27.96	0.80	0.80	90.00	53.69	33.41	13.00	11.20	32.94	30.30	137.60	32.52
NRU0IFRB	146.00	166.90	-0.50	0.80	0.80	90.00	53.70	32.79	13.00	11.20	35.53	114.50	179.00	65.50

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
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ORB (2) PLAN DE ADJUDICACION EJERCICIO 6-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NZL00001	162.70	171.75	-45.92	4.35	1.26	58.61	62.47	33.14	13.00	11.20	48.79	150.90	175.00	3.44
NZL00002	162.70	194.84	-13.20	2.81	2.49	90.42	67.14	37.25	13.00	11.20	53.15	150.90	175.00	39.75
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	67.70	35.84	13.00	11.20	52.70	-123.20	-81.20	44.85
OMA00000	122.20	55.56	21.59	1.85	1.00	64.05	56.26	31.84	13.00	11.20	34.31	-9.80	122.20	10.07
PAK00000	54.90	69.86	29.77	2.93	1.97	22.52	64.60	34.35	13.00	11.20	30.11	34.10	62.00	40.97
PHL0IFRB	89.60	121.25	11.35	3.33	1.53	100.96	65.70	37.73	13.00	11.20	29.49	83.00	159.80	45.90
PLM00000	-164.10	-161.42	7.00	0.80	0.80	90.00	53.35	32.43	13.00	11.20	67.05	-169.80	-158.20	81.18
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	66.94	37.28	13.00	11.20	34.09	114.20	179.00	71.27
PNR0IFRB	-79.20	-80.16	8.54	1.21	1.00	177.09	58.48	36.76	13.00	11.20	31.09	-120.00	-40.40	78.04
POL00000	18.60	19.19	51.61	1.23	0.99	169.13	53.73	31.23	13.00	11.20	31.69	-14.80	56.40	27.46
POR00000	-7.30	-8.00	39.65	0.80	0.80	90.00	51.78	31.80	13.00	11.20	37.27	-41.90	6.70	41.62
PRG00000	-28.60	-58.48	-23.22	1.85	1.00	133.17	60.93	37.36	13.00	11.20	26.74	-90.40	-23.20	43.68
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	67.79	37.55	13.00	11.20	39.18	-120.40	-38.20	58.99
PTC00000	-61.00	-130.10	-25.07	0.80	0.80	90.00	50.70	28.55	13.00	11.20	34.55	-62.60	-58.50	10.30
QAT00000	-16.90	51.26	25.34	0.80	0.80	90.00	50.70	29.91	13.00	11.20	31.29	-16.90	120.00	10.01
REU00000	-0.10	55.56	-21.12	0.80	0.80	90.00	54.42	35.46	13.00	11.20	42.61	-13.90	5.70	23.30
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.46	35.50	13.00	11.20	39.38	113.00	114.30	21.57
ROU00000	44.10	25.38	45.58	1.41	0.98	0.65	55.75	32.33	13.00	11.20	29.41	-1.00	51.00	30.82
RRW00000	6.80	29.73	-1.89	0.80	0.80	90.00	50.70	29.18	13.00	11.20	34.97	-30.90	90.80	61.71
S 00000	11.30	16.68	60.88	1.13	0.99	29.57	53.59	31.45	13.00	11.20	30.33	-7.00	47.10	12.20
SCN0IFRB	-88.80	-62.90	17.33	0.80	0.80	90.00	53.83	33.49	13.00	11.20	32.93	-113.20	-12.60	54.09
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	64.67	34.49	13.00	11.20	37.34	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	60.52	31.05	13.00	11.20	33.83	-7.00	15.00	42.79
SEN00000	-46.90	-14.09	13.98	1.17	0.98	147.73	58.62	36.01	13.00	11.20	38.71	-64.40	34.30	46.65
SEY0IFRB	96.50	55.40	-4.50	0.80	0.80	90.00	54.01	34.76	13.00	11.20	38.81	3.10	107.70	42.28
SLM0IFRB	147.50	158.99	-9.05	1.53	1.00	147.14	59.73	36.98	13.00	11.20	30.24	120.40	179.00	68.27
SLV0IFRB	-130.50	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	27.10	-130.50	-47.50	40.05
SMA00000	-164.10	-170.70	-14.22	0.80	0.80	90.00	50.70	27.51	13.00	11.20	41.73	-169.80	-158.20	71.62
SMO00000	-125.50	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	42.51	-175.00	-121.70	34.01
SMR00000	21.90	12.46	43.95	0.80	0.80	90.00	50.70	29.72	13.00	11.20	27.29	-36.40	61.40	38.43
SNG00000	98.10	103.85	1.28	0.80	0.80	90.00	53.60	34.64	13.00	11.20	29.07	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.00	72.34	60.13	33.10	13.00	11.20	34.66	-20.00	102.70	24.66
SPM00000	-0.10	-56.40	46.96	0.80	0.80	90.00	53.47	32.55	13.00	11.20	41.18	-13.90	5.70	13.76
SRL0IFRB	-51.80	-11.90	8.50	0.80	0.80	90.00	54.02	34.64	13.00	11.20	36.28	-63.80	40.00	43.01
STP0IFRB	33.40	7.00	1.00	0.80	0.80	90.00	53.77	33.10	13.00	11.20	32.34	-45.40	59.40	59.14
SUI00000	-8.60	8.16	46.49	0.80	0.80	90.00	50.70	30.61	13.00	11.20	26.28	-20.00	35.00	32.63
SUR0IFRB	-76.00	-55.66	3.90	0.99	0.98	58.43	57.52	36.76	13.00	11.20	29.66	-97.00	-15.00	63.39
SWZ00000	33.10	31.29	-26.35	0.80	0.80	90.00	50.70	29.06	13.00	11.20	33.80	-26.80	89.20	58.54
SYR00000	63.90	39.24	34.64	1.36	0.96	31.73	55.39	32.21	13.00	11.20	28.15	10.10	70.00	38.83
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	65.93	35.80	13.00	11.20	37.09	-36.50	67.50	45.39
TCH00000	-12.70	17.32	49.59	1.25	1.00	165.56	55.77	32.65	13.00	11.20	29.66	-21.30	54.40	24.43
TGO00000	-21.10	0.83	8.58	1.12	1.00	116.38	58.19	36.80	13.00	11.20	31.57	-41.00	43.40	61.36
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	64.93	37.40	13.00	11.20	29.29	58.60	137.20	55.69
TON0IFRB	-128.00	-175.17	-21.17	0.80	0.80	90.00	54.21	35.25	13.00	11.20	45.37	-175.00	-126.00	31.98
TRD00000	-72.40	-61.09	10.83	0.80	0.80	90.00	53.64	32.69	13.00	11.20	29.41	-112.30	-9.90	71.08
TUN00000	17.30	9.71	33.43	1.31	1.00	76.58	54.85	31.74	13.00	11.20	31.32	-29.00	48.40	45.72
TUR00000	9.40	34.11	38.87	2.80	1.00	170.97	60.95	34.00	13.00	11.20	32.45	7.10	61.60	31.45
TUV00000	173.00	179.16	-8.50	0.80	0.80	90.00	53.39	32.47	13.00	11.20	48.18	127.30	179.00	77.63
TZA0IFRB	69.50	35.43	-5.93	2.41	1.43	117.15	59.62	32.25	13.00	11.20	33.65	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.11	0.99	12.14	51.20	29.58	13.00	11.20	33.15	-12.70	120.30	53.90
UGA0IFRB	32.30	32.17	0.95	1.47	1.02	69.56	54.56	31.05	13.00	11.20	34.24	-27.20	91.60	84.88
URG00000	-86.00	-56.26	-33.70	1.06	0.96	58.09	54.44	32.27	13.00	11.20	32.66	-108.90	-3.50	37.67

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 6-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
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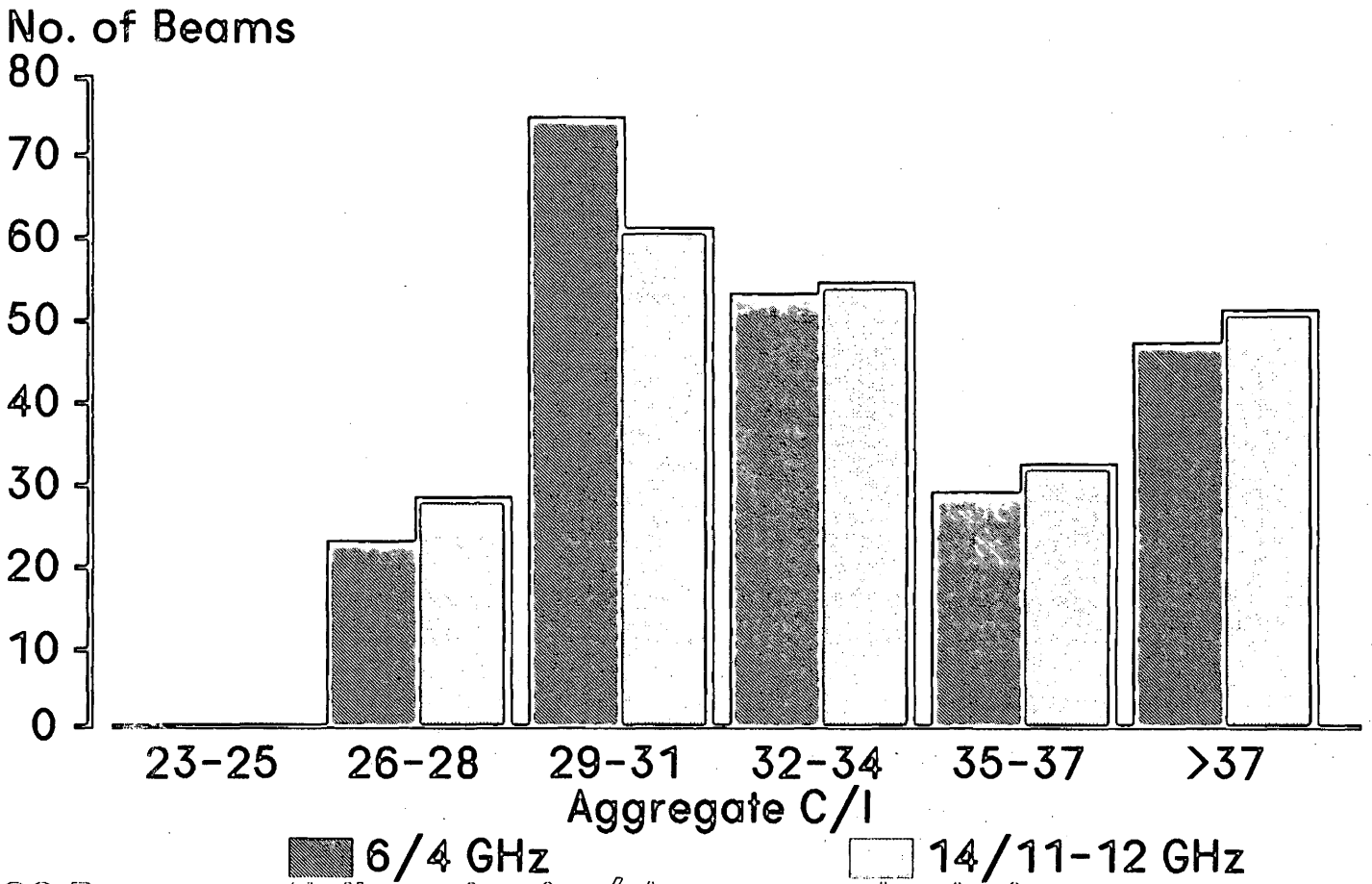
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
URS00001	60.00	57.35	48.29	7.50	3.50	177.16	68.79	33.85	13.00	11.20	33.37	56.70	65.40	8.39
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	70.65	33.85	13.00	11.20	30.48	87.70	98.00	7.06
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	68.73	33.85	13.00	11.20	35.02	138.50	140.60	6.02
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	73.08	38.29	13.00	11.20	31.31	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	0.80	0.80	90.00	54.42	35.46	13.00	11.20	33.69	-130.30	-63.50	22.27
VCT0IFRB	-93.10	-61.10	13.17	0.80	0.80	90.00	53.90	33.83	13.00	11.20	33.77	-112.30	-9.90	50.10
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	65.82	37.29	13.00	11.20	35.20	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	0.80	0.80	90.00	53.75	33.01	13.00	11.20	33.49	-102.50	-24.70	61.34
VTN00000	85.10	108.01	14.29	3.64	2.30	132.95	67.66	37.53	13.00	11.20	28.66	85.10	125.00	50.68
VUT0IFRB	150.70	168.41	-17.16	1.17	1.00	121.88	58.48	36.90	13.00	11.20	35.98	127.40	179.00	58.03
WAK00000	-164.10	-193.50	19.20	0.80	0.80	90.00	50.70	27.88	13.00	11.20	57.28	-169.80	-158.20	49.76
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	30.86	113.00	114.30	10.03
YEM0IFRB	37.80	44.36	15.01	1.05	1.00	45.95	51.17	29.63	13.00	11.20	30.10	-24.30	113.20	68.00
YMS00000	108.00	49.91	14.76	1.36	1.00	52.87	55.21	31.97	13.00	11.20	34.59	-16.40	114.40	16.47
YUG00000	31.20	18.47	44.26	1.27	1.00	160.61	55.62	32.50	13.00	11.20	30.18	-25.80	60.20	33.83
ZAI0IFRB	-22.20	22.08	-4.53	3.69	2.58	80.18	68.63	37.94	13.00	11.20	36.32	-23.60	62.60	28.65
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.55	25.92	58.01	30.73	13.00	11.20	34.76	-27.90	82.50	64.58
ZWE00000	-14.00	29.59	-18.91	1.34	1.08	58.17	54.69	31.37	13.00	11.20	30.00	-27.00	85.50	32.55

IFRB CONFERENCE

6-1-1-4

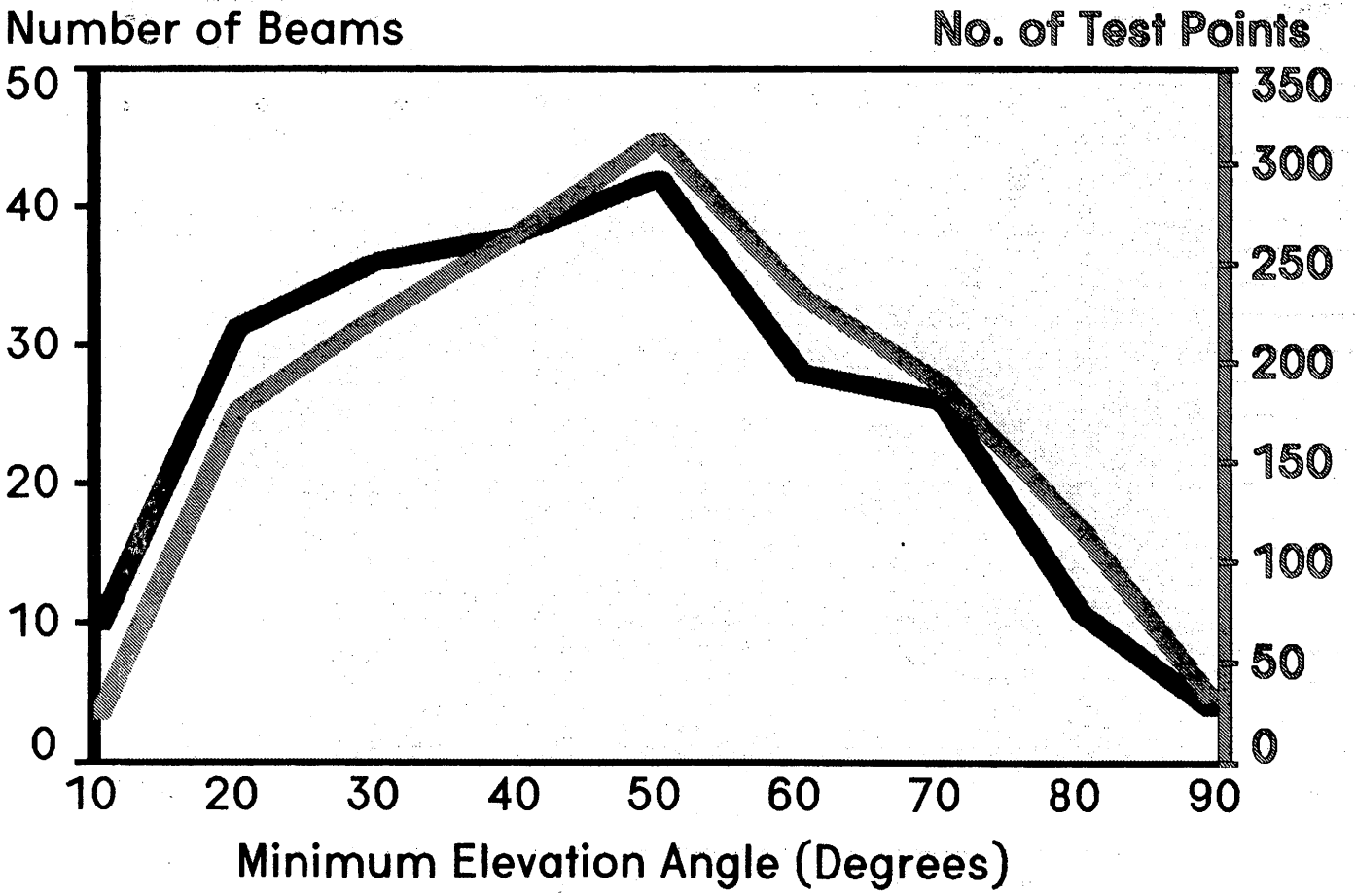
Third Draft Plan



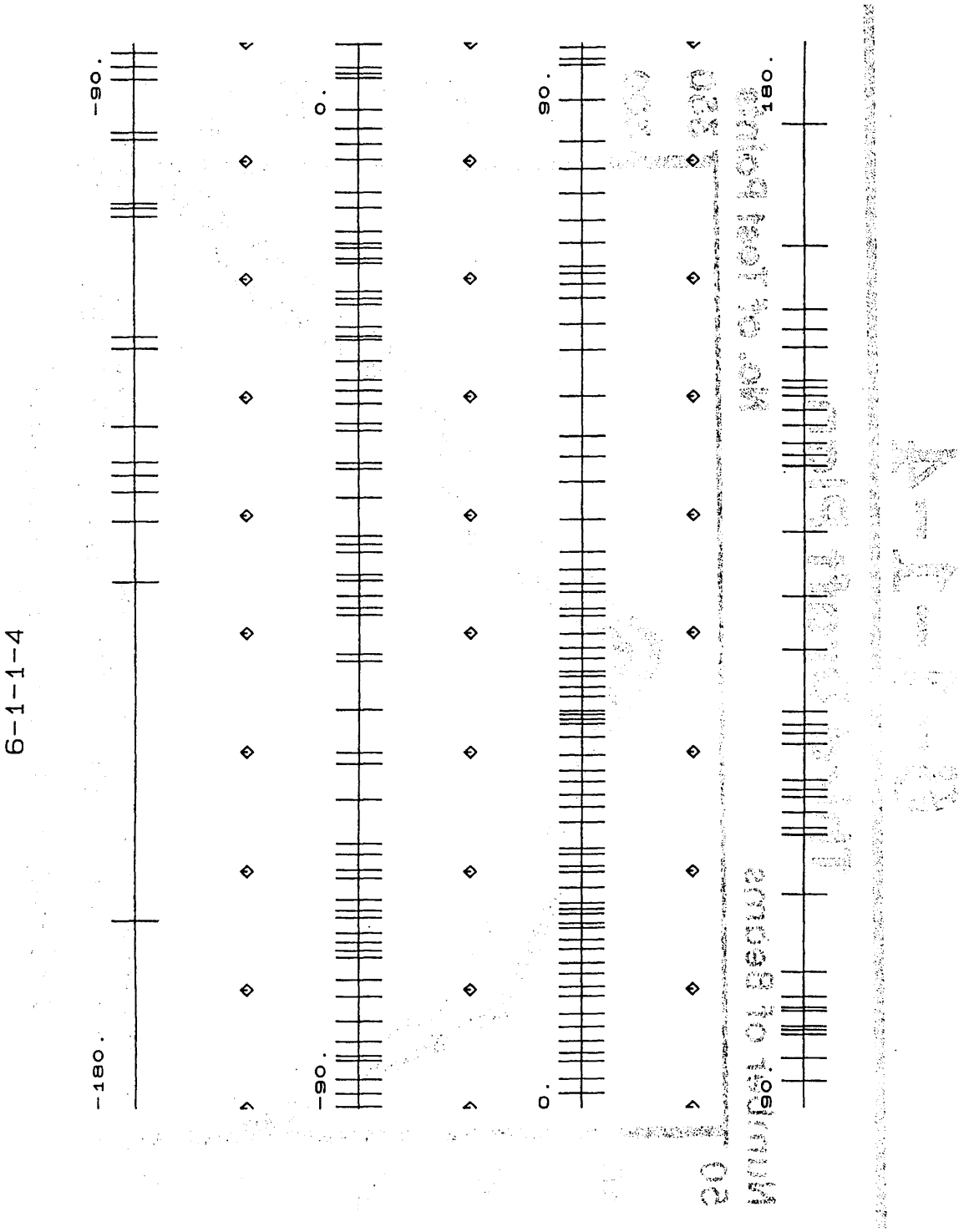
226 Beams. Full synthesis / Aggregate Analysis.

6-1-1-4

Third Draft Plan



ANNEXE 7 - ANNEX 7 - ANEXO 7



INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 308-E
30 September 1988
Original: English

COMMITTEE 4

SUMMARY RECORD

OF THE

TWELFTH MEETING OF COMMITTEE 4

(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

Thursday, 22 September 1988, at 0905 hrs

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed:	Documents
1. Draft Plans (continued)	
- 7.1.1.4	306
- 6.1.1.4	307

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Draft Plans: 7.1.1.4 and 6.1.1.4 (Documents 306, 307)

1.1 The delegate of Belgium supported the comments made at the previous meeting by the delegate of Qatar. He recognized the difficulty of drawing up an acceptable Plan, especially for Region 1, and noted that, in the interests of not adding to the complexity, his Delegation had not introduced any special requirements. The results of the third draft Plan (contained in Document 307) were, however, not acceptable to his Delegation as the minimum elevation angle was far too low. Indeed, the third draft Plan was less favourable to Belgium than the second draft Plan, itself unsatisfactory because of the allocation to Belgium of an orbital position on the extreme edge of the service arc. In general, the third draft Plan did not appear to treat countries equitably. Sub-Working Group 4-B-1 should be given the task of improving the results.

1.2 The delegates of Mauritania, Jordan and Italy supported the comments made by the delegate of Belgium and mentioned the problems raised for their countries by the results of the third draft Plan.

1.3 The delegate of Argentina expressed a reservation about the orbital position assigned to Argentina in the third draft Plan, since it was similar to the position of an existing system serving almost the whole of South America. Studies were being carried out and a proposal would be made to rectify the situation.

1.4 The delegate of Oman objected to the low minimum elevation angle given to his country in the third draft Plan and said that a better result should be obtained in any subsequent draft Plan.

1.5 The delegate of Viet Nam congratulated the IFRB for producing a draft Plan ensuring C/I > 26 dB for every administration. As such, the Plan represented significant progress. Unfortunately, the results of the third draft Plan were not fair. In particular, the orbital position for his country would pose enormous problems.

1.6 The delegate of Australia expressed satisfaction with the second and third draft Plans but drew attention to a problem with the service arc for Australia. The Chairman said that the question raised by the delegate of Australia about whether the service arc for beams from Australia should be from around 123°E to 148°E, rather than from 102.2°E to 148.1°E in view of the elevation angles required by test points shown in Document 230, would be taken up by the Chairman of Sub-Working Group 4-B-1, in conjunction with the IFRB and the delegate of Australia.

1.7 The delegate of Canada pointed out that the ORBIT-II programme was designed to give orbital positions to all allotments in its input list such that C/I $\geq$ 26 dB, within the boundaries specified in columns 13 and 14. One effective planning technique was crossbeaming and that technique had to be used in a plan that was close to saturation. The results for individual administrations were a matter of chance; some would get a high minimum elevation angle, others would not. Different draft Plans would therefore produce different results. There was, however, a significant difference between the second and third draft Plan, since the third had taken specific geographic requirements into account. As it had been possible to improve the third draft Plan by performing a number of manual manipulations to ensure C/I $\geq$ 26 dB, it might well be possible, in some cases, to improve orbital positions close to the edge of the service arcs. It was, however, up to Working Group 4-B to decide on the priorities for such work.

1.8 The delegate of Malaysia expressed his reservation with respect to the results of the third draft Plan which gave his country a position close to the edge of the service arc. He noted that the results of the second draft Plan were more acceptable to his Delegation.

1.9 The delegate of Gabon also expressed a reservation with regard to the results of the third draft Plan which, for his country, were incompatible with an existing network. He supported the comment made at the previous meeting by the delegate of the United States to the effect that the results of the third draft Plan should be improved by performing manual modifications.

1.10 The delegate of China drew attention to the interference problem caused by the location of China's beam at the edge of the arc. Moving the beam westward would improve the results of the planning. He noted that the positioning of satellites at the edge of the service arc reduced flexibility.

1.11 The delegate of Malta said that, while pleased with the results of the third draft Plan for his country, he needed more time to consider the matter since the orbital position was close to that of another system.

1.12 The Chairman observed that the three types of problem encountered by administrations related to the elevation angle, positions close to the edge of the service arc and the proximity of existing systems. In seeking to improve the Plan, the Committee must constantly bear in mind the case of allotments which did not even meet the technical criteria already approved. He proposed that, after considering the problem of compatibility between Parts A and B of the Plan, which could have serious implications for the protection of allotments, Sub-Working Group 4-B-1 should endeavour to improve the situation of administrations having an elevation angle close to the minimum and those having satellite positions near the edge of the service arc by means of manual adjustments and that, as soon as the PDA was defined and incorporated in the Plan in some way, attempts should be made to deal with cases which could not be solved by manual adjustment through constraints in the PDA.

1.13 The delegate of France said that compatibility between Parts A and B of the Plan should perhaps follow that of special requirements. The delegates of Italy, Belgium and Malta agreed, since the examination of allotments involving values below the agreed protection criteria should be given priority over those which were merely not entirely satisfactory. The delegate of Jordan suggested that the order of priority should be, first, basic requirements, then specific requirements, and only lastly compatibility between Parts A and B of the Plan. The delegate of Israel also considered that the question of compatibility should be dealt with only after agreement had been reached on a satisfactory Part A of the Plan, including special requirements. The delegate of Luxembourg observed that the problem of compatibility between Parts A and B and those of elevation angles below 20° and probably inoperable orbital positions were closely related and should be considered together. He suggested that future draft plans should be accompanied by documents giving the five highest interferers for each allotment.

1.14 The delegate of the United States said that the approach proposed by the Chairman might provide a solution, since the more constraints were accepted, the less flexible the Plan would be and the more difficult it would be to provide equitable access to the orbit for all administrations: indeed, it might even prove necessary to change the approved parameters in order to increase flexibility. The delegate of Kenya observing that the software being used provided different solutions at different times which were fully satisfactory to no-one, agreed that the Plan should be as flexible as possible to allow for implementation of different software in the future.

1.15 In reply to questions by the delegates of Côte d'Ivoire and Liberia, the Chairman explained that the considerations relating to the PDA set out in Document DT/64(Rev.1) had no impact on the draft Plan itself, but would probably entail the addition of columns to cover those ideas. Secondly, to the best of his knowledge, nothing in the third draft Plan precluded the establishment of subregional systems.

Replying to other comments, he said that his proposal contained no priorities, since its purpose was not to secure approval of the Plan at that stage, but to introduce improvements in order to ensure that no allotments failed to meet the agreed criteria and were therefore unusable; it would clearly be unfair to leave it to administrations in such unfavourable situations to bear the whole burden, even if the improvement of such situations entailed some degradation of those of other administrations.

1.16 The Chairman of Working Group 4-C pointed out that many of the comments made related to work in progress in his Group and suggested that the scheduled meeting of that body should not be delayed any further. The delegate of Mexico endorsed that suggestion.

The meeting rose at 1025 hours.

The Secretary:
F.S. LEITE

The Chairman:
S. PINHEIRO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 309-E
4 November 1988
Original: English/
Spanish

COMMITTEE 6

SUMMARY RECORD

OF THE

SIXTH MEETING OF COMMITTEE 6

(REGULATORY PROCEDURES (OTHER THAN FOR ALLOTMENT PLANNING AND BSS FEEDER-LINKS))

1. Paragraphs 7.31 and 7.32

Amend as follows:

"7.31 The delegate of the United States of America proposed that the words "these modifications" in the sixth line be replaced by "the modification" but after discussion withdrew the proposal.

7.32 In response to ... efforts to solve problems.

The above amendments were approved, with the exception of that proposed by the delegate of the United States of America."

2. Paragraph 7.38

Replace by the following:

"7.38 The delegate of Colombia, supported by the delegate of Ecuador, said that the proposal was an addition designed to ensure a clear interpretation of No. 1060 of the Radio Regulations establishing the procedure for coordination prior to the installation of a geostationary satellite, which reads: "Before an administration ... brings into use any frequency assignment to a space station on a geostationary satellite ... shall, except in the cases described in Nos. 1066 to 1071, effect coordination of the assignment with any other administration whose assignment ... might be affected". It should also be remembered, he added, that No. 77 of the Nairobi Convention assigned to the International Frequency Registration Board the essential duty of effecting "an orderly recording and registration of frequency assignments made ... in accordance with the procedure provided for in the Radio Regulations ... with a view to ensuring formal international recognition thereof"."

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 309-E
28 September 1988
Original: English

COMMITTEE 6

SUMMARY RECORD

OF THE

SIXTH MEETING OF COMMITTEE 6

(REGULATORY PROCEDURES (OTHER THAN FOR ALLOTMENT PLANNING AND BSS FEEDER-LINKS))

Wednesday, 21 September 1988, at 1730 hrs

Chairman: Mr. J.F. BROERE (Netherlands)

Subjects discussed:		Documents
1.	Approval of the summary records of the third, fourth and fifth meetings of Committee 6	214, 247, 263
2.	Notes from the Chairman of the Working Group of the Plenary	294, 295
3.	Allocation of new documents	43(Rev.1) + Corr.1, 187(Corr.1), 301
4.	Note from the Chairman of Committee 5 to the Chairman of Committee 6	268
5.	Third report by the Chairman of Working Group 6-A	302
6.	Note from the Chairman of Working Group 6-B	284
7.	Third, fourth and fifth reports by the Chairman of Working Group 6-B	264, 285, 304

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Approval of the summary records of the third, fourth and fifth meetings (Documents 214, 247, 263)

1.1 Summary record of the third meeting (Document 214)

The summary record was approved as amended by the Chairman (see Corrigendum 1 to Document 214).

1.2 Summary record of the fourth meeting (Document 247)

The summary record contained in Document 247 was approved.

1.3 Summary record of the fifth meeting (Document 263)

The summary record was approved as amended by the Delegation of India (see Corrigendum 1 to Document 263).

2. Notes from the Chairman of the Working Group of the Plenary (Documents 294, 295)

2.1 Decisions on two proposals concerning Article 29 of the Radio Regulations (Document 294)

2.1.1 The Chairman introduced Document 294.

The Committee approved the modification prepared by the Working Group of the Plenary to a footnote to Section III of Article 29 (Document 294, paragraph 1) and took note of its decision on Kenya's proposal KEN/69/36 (Document 294, paragraph 2).

2.2 Draft Resolution relating to Inclination Limits of Orbits of Geostationary Space Stations (Document 295)

2.2.1 The Chairman introduced Document 295.

The revised draft Resolution prepared by the Working Group of the Plenary was referred to Working Group 6-C for detailed consideration.

3. Allocation of new documents (Documents 43(Rev.1) + Corr.1, 187(Corr.1), 301)

3.1 Recommendation relating to the Coordination of Feeder-Links in the Fixed-Satellite Service for Satellites Operating in the Mobile-Satellite Service (Document 43(Rev.1) + Corr.1)

Revised Recommendation CEPT-3/43/1(Rev.) was allocated to Working Group 6-C for consideration in detail.

3.2 Revised draft Resolution on the method of calculation for determining if coordination is required between geostationary-satellite networks sharing the same frequency bands: complement of the method described in Appendix 29 (Document 187(Corr.1))

3.2.1 The delegate of France introduced Document 187(Corr.1).

The Committee agreed that its consideration of the revised draft Resolution contained in the document should be deferred until the Working Group of the Plenary had reached a decision on it.

3.3 Proposed revision of Article 1, No. 22 (fixed-satellite service) (Document 301)

3.3.1 The delegate of France, introducing Document 301, indicated editorial corrections to the English and French versions of the proposed modification to the definition of the fixed-satellite service, which was intended to answer questions raised during the consideration of France's proposal F/117/1 in Working Groups 6-B and 6-C.

Document 301, as orally revised, was allocated to Working Group 6-C for detailed consideration.

4. Note from the Chairman of Committee 5 to the Chairman of Committee 6 (Document 268)

The Committee took note of the decision by Committee 5 that it was appropriate to delete the words "and for Malta" from footnotes 858 and 863 of the Radio Regulations, as proposed by Malta in Document 217.

5. Third report by the Chairman of Working Group 6-A (Document 302)

5.1 The Chairman of Working Group 6-A, introducing his report in Document 302, sai that since its completion he had prepared a text, based on the draft Resolution in Document 292 and other documents, which aimed to consolidate all the concerns expresse and decisions taken to date about multilateral planning meetings (MPM). The text of that document should be available in good time for consideration at the Working Group' next meeting (see Document DT/73).

5.2 The delegate of Nigeria questioned the IFRB's comment reported in Document 302 paragraph 6 1), that the results of one type of MPM would be treated in accordance wit Articles 11 and 13 of the Radio Regulations.

5.3 The Vice-Chairman of the IFRB said that Article 13 applied for the time being to all frequency bands except those in the Allotment Plan. The mention of Article 11 stood for the coordination procedures to be applied to the results of such MPM, since it could not yet be assumed exactly what form the procedures would take. Following a request by the delegate of Saudi Arabia for clarification of the comment on multiadministration systems in the final paragraph of Document 302, he said that if documents developed by the Working Group contained references to such systems it would be necessary to adopt a definition of what they were.

The Committee took note of Document 302.

6. Note from the Chairman of Working Group 6-B on the impact of the network coordination and notification principle on Article 13 (Document 284)

6.1 The Chairman of Working Group 6-B introduced Document 284 and said that the Working Group had reactivated its Drafting Group under the chairmanship of Mr. Bates (United Kingdom) to identify the texts in Article 13 of the Radio Regulations which would require amendment as a result of the regulatory principles proposed for the notification and coordination of space radiocommunication stations on a network basis

The Committee approved Document 284.

7. Third, fourth and fifth reports by the Chairman of Working Group 6-B (Documents 264, 285, 304)

7.1 The Chairman of Working Group 6-B, introducing Document 304, said that it consolidated the contents of his third and fourth reports (Documents 264 and 285) and all the texts adopted by the Group relating to Sections I and II of Article 11, work on which was essentially complete.

He said that an asterisk should be placed against NOC A.11.1 pending a decision by Working Group 6-A, and that "years^{3}" in the seventh line of MOD 1042 should properly be "years^{1}".

The Committee took note of the report contained in Document 304.

7.2 The Chairman invited the Committee to consider the proposed text of Article 11, Sections I and II annexed to Document 304.

Section I

MOD 1042

7.3 The delegate of the United States recalled that the period of five years for advance notice of bringing into service of a satellite network had been set on the basis of experience with satellites up to the beginning of the 1970s. Since that time, networks had become more complex, thus increasing both lead times and the time needed for coordination. In view also of the scarcity of launch vehicles and the difficulties caused by launch vehicle failures, he therefore proposed that the period in question be extended to six years. The delegates of Luxembourg and the United Kingdom supported that proposal.

It was so agreed.

7.4 The Chairman said that the square brackets might be removed from "Appendix [4]", as proposed by the delegate of Mexico, as separate Appendices 3 and 4 were to be maintained. Square brackets could therefore be removed from all references to Appendices 3 and 4.

ADD 1042.1

7.5 The Chairman, in response to a suggestion by the delegate of Mexico, proposed that square brackets be placed around the MOD of MOD 1550 pending its discussion in the light of the changes approved under MOD 1042.

MOD 1047, ADD 1047A, ADD 1047B

The Committee took note of the removal of the square brackets from "Appendix [4]".

MOD 1049

7.6 The Vice-Chairman of the IFRB said that the words "and administrations sending such comments" might create problems as they upset the hierarchical system of solving the difficulties set out in sub-paragraphs a), b), and c) of paragraph 3 (2). The administration receiving comments must endeavour to resolve any difficulties before entering into consultations with any other administrations. Also, the words "shall provide any additional information that may be available" had been intended to apply only to the administration receiving comments.

7.7 The delegate of the United States said that his Administration's intent in proposing the addition of "and administrations sending such comments" had been to emphasize that both administrations should attempt to resolve difficulties, the procedure for which was set out in MOD 1051, NOC 1052 and MOD 1053.

7.8 The delegate of France wondered whether MOD 1049 was to be construed as applying to geostationary-satellite networks alone or to both geostationary and non-geostationary networks.

The paragraph was approved unchanged.

ADD 1056A

7.9 The delegate of Argentina, supported by the delegate of the Federal Republic of Germany, proposed that the period of five years be amended to six to bring the paragraph into line with MOD 1042, the latter proposing also that a square bracket be placed before "No. 1550" to bring it into line with ADD 1042.1.

7.10 The delegate of the Islamic Republic of Iran said that his Administration understood ADD 1056A to mean that until the adminstration concerned had agreed to cancellation of a network, the IFRB should take that network into account in any calculations required by any provision of the Radio Regulations. He requested that the Committee take note of his Administration's position. The delegate of Colombia endorsed that interpretation.

7.11 The Vice-Chairman of the IFRB said that he took the paragraph to mean that a satellite network would be maintained only for the purpose of applying Article 14 and not Article 11; he requested clarification of the point, recalling that Article 14 procedure implies that the Board shall use any information available to it if the statement by the delegate of the Islamic Republic of Iran, included in Article 11, will have bearing on the rights of adminstrations.

7.12 The Chairman of Working Group 6-B recalled that a reference to MOD 1550 also appeared in MOD 1042. The concept of the six-year period, augmented by the extension provided for in MOD 1550, would be undermined if the interpretation placed upon ADD 1056A by the Iranian Administration were upheld.

7.13 The Vice-Chairman of the IFRB said that the Board would take the line it considered most appropriate in keeping with the spirit of the Article. Once a given period of time had elapsed, a system would no longer be protected; the Board would then enter a symbol to indicate that the network was no longer being taken into account, and another symbol if the administration in question disagreed.

7.14 The delegate of the United States recalled that when the paragraph had been proposed, the understanding had been that information would no longer be taken into account for protection purposes after a given period, and he proposed that the words "subject to the agreement of the administration concerned" be deleted.

7.15 The delegate of Saudi Arabia said that if a period of six years, subject to possible extension, were to apply, it should apply to all administrations rather than only some of them; the indefinite maintenance of protection would be in conflict with other parts of the Radio Regulations.

7.16 The delegate of Switzerland noted that in its practical application ADD 1056A as adopted by the Committee might cause difficulties to the Board. In view of the fact that the Board itself was precluded from making proposals to the Conference, he suggested that the Chairman might, when forwarding the provision to the Plenary, attach a note of clarification to make the implications of the provision perfectly clear to all administrations and so facilitate the work of the Board.

7.17 The Chairman suggested that the provision be approved with the replacement of "five" by "six", and square brackets around "No. 1550" and that the Committee take note of the statement by the Iranian delegate as well as the serious reservations expressed by a number of administrations.

It was so agreed.

ADD 1058C

7.18 In order to clarify the text and with a modification suggested by the Vice-Chairman of the IFRB, the delegate of the United States proposed that the words "for which coordination is not required" should be replaced by "when coordination for that assignment is not required".

It was so agreed.

7.19 The delegate of Mexico pointed out that care would be needed in aligning the Spanish text to the English.

ADD 1058D

7.20 The Vice-Chairman of the IFRB said that, for clarity, the word "satellite" should be added on the last line following "non-geostationary".

Section II

MOD 1060

7.21 The delegate of the United Kingdom said that the ad hoc Group recently established to consider Article 14 would shortly be proposing a new footnote for the provision with a view to providing a means of eliminating some duplication of coordination.

MOD 1061

7.22 The Vice-Chairman of the IFRB pointed out that the reference "and 435" should be added after "Nos. 420-425" in the penultimate line.

MOD 1064

7.23 The Vice-Chairman of the IFRB informed the Committee that a footnote should be inserted after the word "receipt", the text of the footnote being that appearing in ADD 1076.1.

MOD 1067

7.24 The delegate of France said that his Delegation maintained its reservation with respect to the provision pending the adoption of Appendix 29.

MOD 1073

7.25 The Vice-Chairman of the IFRB indicated that the words "service areas" at the end of the first sentence should be replaced by "areas in which they may be located".

NOC 1085

7.26 The delegate of France said that NOC should be amended to MOD since the wording of the last part of the provision had been altered.

ADD 1085A

7.27 The delegate of the United States proposed that the words "these difficulties" in the third line should be replaced by "the difficulty".

It was so agreed.

7.28 In response to a request for clarification from the delegate of Canada, the Vice-Chairman of the IFRB said that it was one of those provisions which governed the relationships between administrations, the essence of the text being contained in the words "by means of changes acceptable to the parties concerned". If the administrations concerned were unable to reach a satisfactory conclusion under the provision, there was no clause anywhere to compel an administration with a favourable finding in the Master Register to accept modifications from an incoming system.

1085A, as amended, was approved.

ADD 1087A

7.29 The delegate of France proposed, for clarification, that the third line should read "... any modification to the pulished characteristics of their respective".

7.30 The delegate of the USSR proposed that the words "coordination of" be inserted after "agreement on" in the fourth line.

7.31 The delegate of the United States proposed that the words "these modifications" in the sixth line be replaced by "the modification".

7.32 In response to a question from the delegate of Saudi Arabia, the Vice-Chairman of the IFRB said that the last sentence had been included in the provision with a view to encouraging administrations to make such efforts to solve problems.

The above amendments were approved.

ADD 1091A

7.33 The delegate of India proposed that the words "for it" at the end of the sentence should be deleted.

It was so agreed.

MOD 1093

7.34 The Vice-Chairman of the IFRB indicated that since the only change to the English text had been to align it to the existing French text, MOD should be changed to NOC.

ADD 1098A

7.35 The delegate of the Federal Republic of Germany indicated that the words "(3 bis)" under the reference number formed part of the text of the provision and should be reinserted at the beginning of the paragraph.

After an exchange of views between the Vice-Chairman of the IFRB and the delegate of Canada, it was agreed to remove the words "to it" on the third line.

MOD 1102

7.36 The delegate of France indicated an editorial amendment to the French text only.

MOD 1103

7.37 The Vice-Chairman of the IFRB indicated that the words "by a station" on the second and third lines should be deleted.

[ADD 1060AA]

7.38 The delegate of Colombia, supported by the delegate of Ecuador, said he was proposing the draft provision in order to provide a clear interpretation of the implications of RR 1060; one which was, moreover, in line with the provisions of the Radio Regulations concerning coordination procedures and with No. 617 of the Nairobi Convention.

7.39 The Chairman suggested, in view of the fact that there had been strong objections to the proposed provision from a number of delegations, that the text should be referred direct to the Plenary for discussion without further consideration by the Committee; it should therefore remain in square brackets.

It was so agreed.

7.40 The delegate of Colombia, supported by the delegate of the USSR, requested that when the text was forwarded to the Plenary, it should appear together with the other texts proposed for amendment of or addition to RR 1060 in order to make the context of the proposed provision clear.

It was so agreed.

The meeting rose at 2045 hours.

The Secretary: The Chairman:

K. ARASTEH J.F. BROERE

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 310-E
21 September 1988
Original: English

SUB-WORKING GROUP 5-A-1

BSS FEEDER-LINK PLANNING

DRAFT PLAN

1. The draft Plan for BSS feeder links together with the column designation is given in Annex 1. These results include complete information on the modified requirements used and the resultant margins calculated in accordance with the directives given in Document 244.

2. All remarks to be included in the Plan are listed in Annex 2, the number of which can also be found in the respective part of Annex 1 (column 12).

L. TOMATI
Chairman of Sub-Working Group 5-A-1

Annexes: 2

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ANNEX 1

LIST OF REQUIREMENTS AND MARGINS IN THE PLAN

The attached list is presented in the alphabetical order of notifying administrations. The 14 GHz Plan is paginated 1-25, the 17 GHz Plan is paginated 1-130.

The column designation of this list is as follows:

Column	Description
1	Beam identification (3-letter country code + 3-digit identifier + 2-character modifier)
2	Notifying administration (3-letter country code)
3	Longitude at satellite sub-orbital position (decimal degrees)
4	Longitude at beam boresight (decimal degrees) - down-link/feeder link
5	Latitude at beam boresight (decimal degrees) - down-link/feeder link
6	Beam ellipse major axis (decimal degrees) - down-link/feeder link
7	Beam ellipse minor axis (decimal degrees) - down-link/feeder link
8	Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree
9	Transmit antenna code - space/earth station (see Document 189)
10	Receive antenna code - earth/space station (see Document 189)
11	Circular polarization ("1" right, "2" left) - down-link/feeder link
12	Remarks
13	Number for each test point - down-link
14	Test point longitude (decimal degrees) - down-link
15	Test point latitude (decimal degrees) - down-link
16	Channel number, followed by the down-link e.i.r.p., followed by the down-link margins (taken from the 1977 Plan), followed by the overall equivalent protection margin, corresponding to each test point

Column	Description
17	Test point longitude (decimal degrees) - feeder link
18	Test point latitude (decimal degrees) - feeder link
19	Test point rain zone (character) - feeder link
20	Test point height above sea-level (metres) - feeder link
21	Channel number, followed by the up-link e.i.r.p., followed by the up-link margins for each test point

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 1

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15400	CHN	62.0	83.9 101.9	40.5 33.5	2.75 5.10	2.05 2.80	177 143	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			73.6		80.0		87.6		96.3		79.0		90.0	
15			39.0		45.0		49.0		42.8		34.3		36.3	
16	02	63.2	0.6	0.8	5.5	4.3	6.6	4.9	4.2	3.5	-0.5	-0.2	1.6	1.6
16	06	63.3	0.6	0.6	5.5	4.0	6.6	4.6	4.2	3.2	-0.5	-0.3	1.7	1.5
16	10	63.3	0.6	0.8	5.5	4.5	6.7	5.2	4.2	3.6	-0.5	-0.1	1.7	1.7
17			118.0	128.2	112.3		116.4	86.5						
18			48.0	43.3	22.9		40.0	32.6						
19			F	K	N		K	K						
20			0	0	0		0	0						
21	02	82.0	-1.6	-1.7	-0.9		-0.1	-0.8						
21	06	82.0	-2.3	-2.4	-1.6		-0.8	-1.5						
21	10	82.0	-1.2	-1.3	-0.5		0.3	-0.4						

1	2	3	4	5	6	7	8	9	10	11	12
CHN15401	CHN	62.0	83.9 83.9	40.5 40.5	2.75 2.75	2.05 2.05	177 177	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			73.6		80.0		87.6		96.3		79.0		90.0	
15			39.0		45.0		49.0		42.8		34.3		36.3	
16	14	63.4	5.2	5.4	11.3	9.8	12.0	10.1	10.6	9.4	2.5	3.1	6.2	6.2
17			73.6	80.0	87.6		96.3	79.0	90.0					
18			39.0	45.0	49.0		42.8	34.3	36.3					
19			C	C	E		C	C	K					
20			0	0	0		0	0	0					
21	14	82.0	3.5	4.5	3.3		3.3	4.0	3.7					

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 2

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15500	CHN	62.0	88.3 101.9	31.5 33.5	3.38 5.10	1.45 2.80	162 143	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			90.0		99.0		92.4		89.0		86.0		78.5	
15			36.3		30.0		26.9		27.5		28.0		32.5	
16	01	62.9	5.6	5.4	1.8	2.2	0.7	1.3	2.5	2.8	1.8	2.2	1.8	2.2
16	05	62.9	2.6	2.5	0.7	1.0	0.0	0.4	0.3	0.6	-0.5	-0.1	0.3	0.6
16	09	63.0	2.6	2.4	0.6	0.8	0.0	0.3	0.4	0.6	-0.4	-0.1	0.3	0.5
17			118.0	128.2	112.3		116.4	86.5						
18			48.0	43.3	22.9		40.0	32.6						
19			F	K	N		K	K						
20			0	0	0		0	0						
21	01	82.0	1.5	1.4	2.2		3.0	2.3						
21	05	82.0	-0.8	-0.9	-0.1		0.7	0.0						
21	09	82.0	-1.5	-1.6	-0.8		0.0	-0.7						

1	2	3	4	5	6	7	8	9	10	11	12
CHN15501	CHN	62.0	88.3 88.3	31.5 31.5	3.38 3.38	1.45 1.45	162 162	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			90.0		99.0		92.4		89.0		86.0		78.5	
15			36.3		30.0		26.9		27.5		28.0		32.5	
16	13	63.0	2.7	2.7	0.9	1.2	0.0	0.5	0.4	0.8	-0.4	0.1	0.5	0.9
17			90.0	99.0	92.4		89.0	86.0	78.5					
18			36.3	30.0	26.9		27.5	28.0	32.5					
19			K	K	K		K	K	C					
20			0	0	0		0	0	0					
21	13	82.0	-0.2	0.5	0.6		0.9	0.6	0.5					

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15600	CHN	62.0	97.8 101.9	36.3 33.5	2.56 5.10	1.58 2.80	157 143	A883 A881	A884 A882	1 2	

13			1		2		3		4		5		6		
14			90.2		96.4		105.2		108.5		105.2		95.9		
15			38.6		42.7		41.7		35.4		32.6		31.7		
16	04	63.5	3.3	2.9	5.9	4.6	5.4	4.3	0.8	1.0	1.8	1.8	3.1	2.8	
16	08	63.5	3.4	2.9	5.9	4.4	6.2	4.6	4.2	3.4	3.1	2.6	3.1	2.6	
16	12	63.6	5.9	4.9	7.6	5.9	7.1	5.6	3.2	3.0	2.4	2.4	3.6	3.3	
17			118.0	128.2	112.3	116.4	86.5								
18			48.0	43.3	22.9	40.0	32.6								
19			F	K	N	K	K								
20			0	0	0	0	0								
21	04	82.0	-1.4	-1.5	-0.7	0.1	-0.6								
21	08	82.0	-1.8	-1.9	-1.1	-0.3	-1.0								
21	12	82.0	-0.7	-0.8	0.0	0.8	0.1								

1	2	3	4	5	6	7	8	9	10	11	12
CHN15700	CHN	62.0	102.3 101.9	27.8 33.5	2.56 5.10	1.58 2.80	127 143	A883 A881	A884 A882	2 1	

13			1		2		3		4		5		6		
14			101.7		97.7		97.5		109.2		105.6		105.8		
15			21.3		24.0		33.0		28.5		23.2		33.0		
16	03	65.2	0.9	1.1	3.1	2.8	3.6	3.1	6.1	4.8	2.6	2.4	5.5	4.4	
16	07	65.1	0.9	1.1	3.0	2.8	3.5	3.2	6.1	5.0	2.5	2.4	5.5	4.6	
16	11	65.2	1.1	1.4	3.1	3.0	3.6	3.4	5.7	4.9	2.5	2.6	5.5	4.8	
17			118.0	128.2	112.3	116.4	86.5								
18			48.0	43.3	22.9	40.0	32.6								
19			F	K	N	K	K								
20			0	0	0	0	0								
21	03	82.0	-1.4	-1.4	-0.6	0.1	-0.6								
21	07	82.0	-0.8	-0.9	-0.1	0.6	0.0								
21	11	82.0	-0.2	-0.3	0.5	1.3	0.6								

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15800	CHN	80.0	111.8 106.0	38.0 32.5	2.60 5.00	1.74 3.70	124 150	A883 A881	A884 A882	1 2	

13			1		2		3		4		5		6		
14			105.8		105.2		111.8		119.8		115.3		119.8		
15			32.9		41.6		45.0		46.8		31.5		40.0		
16	15	64.9	5.5	6.3	11.0	11.3	12.0	12.1	7.8	8.4	3.1	4.0	4.9	5.7	
16	19	64.9	-0.9	-0.3	-0.3	0.2	0.3	0.8	-0.6	0.0	-1.0	-0.4	1.3	1.6	
16	23	65.0	-0.8	-0.2	-0.6	0.0	-0.5	0.1	-1.6	-0.9	-0.5	0.1	1.0	1.4	
17			116.4	102.0	104.0	121.3									
18			40.0	36.4	30.8	31.3									
19			K	C	K	M									
20			0	0	0	0									
21	01	82.0	10.0	11.2	11.6	9.4									
21	05	82.0	0.6	1.8	2.2	0.1									
21	09	82.0	0.7	1.9	2.3	0.2									

1	2	3	4	5	6	7	8	9	10	11	12
CHN15900	CHN	80.0	109.4 106.0	27.3 32.5	2.14 5.00	1.72 3.70	107 150	A883 A881	A884 A882	2 1	

13			1		2		3		4		5		6		
14			105.6		103.6		109.5		113.8		115.3		109.8		
15			23.2		27.1		33.1		25.4		31.5		21.6		
16	18	64.5	1.4	1.7	-0.3	0.2	-0.9	-0.3	1.4	1.7	0.5	0.9	-0.3	0.2	
16	20	64.6	1.5	1.8	-0.3	0.2	-1.9	-1.3	1.0	1.3	-1.1	-0.5	-0.3	0.2	
16	22	64.6	1.6	1.9	0.2	0.7	-0.8	-0.2	1.7	2.0	-0.1	0.4	0.0	0.5	
17			116.4	102.0	104.0	121.3									
18			40.0	36.4	30.8	31.3									
19			K	C	K	M									
20			0	0	0	0									
21	04	82.0	0.6	1.8	2.2	0.0									
21	06	82.0	0.4	1.6	2.0	-0.2									
21	08	82.0	0.6	1.8	2.2	0.0									

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16000	CHN	92.0	122.8 108.1	45.3 33.7	2.50 5.00	1.45 4.00	150 148	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			122.5		115.6		122.5		134.8		128.3		116.8	
15			38.3		48.0		53.4		48.5		41.4		42.5	
16	03	65.1	-0.5	0.0	6.3	5.4	6.7	5.6	2.0	2.2	1.2	1.5	3.3	3.2
16	07	65.1	0.3	0.7	7.3	5.9	7.7	6.2	2.5	2.6	1.6	1.8	4.2	3.9
16	11	65.2	1.0	1.4	8.2	6.6	8.8	6.9	2.9	3.0	2.1	2.3	5.1	4.6
17			124.3	117.0	93.2	116.4								
18			45.4	23.1	33.4	40.0								
19			F	N	K	K								
20			0	0	0	0								
21	03	82.0	-0.2	0.3	0.3	1.8								
21	07	82.0	-0.3	0.2	0.2	1.7								
21	11	82.0	0.1	0.6	0.5	2.0								

1	2	3	4	5	6	7	8	9	10	11	12
CHN16100	CHN	92.0	118.1 108.1	31.1 33.7	2.49 5.00	1.69 4.00	117 148	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			116.0		120.2		123.8		114.0		115.4		122.6	
15			25.0		39.6		30.2		29.1		36.0		37.4	
16	02	64.5	4.9	4.6	1.8	2.1	3.1	3.2	6.9	5.9	5.3	4.8	0.7	1.1
16	04	64.5	4.6	4.2	0.5	0.9	2.8	2.8	5.4	4.8	2.9	2.9	0.0	0.5
16	06	64.5	4.8	4.3	2.1	2.3	3.0	3.0	6.8	5.7	5.4	4.8	0.7	1.1
17			124.3	117.0	93.2	116.4								
18			45.4	23.1	33.4	40.0								
19			F	N	K	K								
20			0	0	0	0								
21	02	82.0	0.3	0.8	0.7	2.2								
21	04	82.0	-0.1	0.4	0.3	1.8								
21	06	82.0	-0.2	0.3	0.3	1.8								

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16200	CHN	92.0	115.9 108.1	21.0 33.7	2.74 5.00	2.42 4.00	23 148	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			110.0		107.6		112.5		125.0		119.0		118.4	
15			15.0		20.0		25.1		25.9		19.3		28.3	
16	01	64.0	4.6	4.8	3.2	3.6	4.1	4.4	0.0	0.7	6.0	5.9	0.9	1.5
16	05	64.0	3.9	3.7	2.6	2.7	2.3	2.4	-1.3	-0.7	4.4	4.1	-0.9	-0.3
16	09	64.0	4.6	4.1	3.1	3.0	3.3	3.2	-0.3	0.2	5.9	5.0	-0.2	0.3
17			124.3	117.0	93.2	116.4								
18			45.4	23.1	33.4	40.0								
19			F	N	K	K								
20			0	0	0	0								
21	01	82.0	2.5	2.9	2.9	4.4								
21	05	82.0	-0.1	0.4	0.3	1.8								
21	09	82.0	-0.4	0.1	0.1	1.6								

1	2	3	4	5	6	7	8	9	10	11	12
CHN17000	CHN	92.0	119.5 119.5	33.0 33.0	1.34 1.34	0.64 0.64	155 155	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			119.1		116.4		121.3		122.4		121.5		118.7	
15			35.2		34.8		34.1		31.0		30.6		31.2	
16	12	64.4	1.3	1.9	1.3	1.9	1.1	1.7	1.9	2.5	1.9	2.5	0.8	1.5
17			119.1	116.4	121.3	122.4	121.5	118.7						
18			35.2	34.8	34.1	31.0	30.6	31.2						
19			K	K	K	M	K	K						
20			0	0	0	0	0	0						
21	12	82.0	3.4	3.9	3.4	3.7	3.2	2.7						

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17100	CHN	92.0	117.2	32.0	1.20	0.74	126	A883	A884	1	
			117.2	32.0	1.20	0.74	126	A881	A882	2	

			1		2		3		4		5		6	
13														
14			116.1		114.9		116.1		119.2		119.6		118.1	
15			29.8		33.1		34.6		32.6		31.1		29.3	
16	10	64.2	2.9	3.4	4.0	4.3	4.9	5.1	4.2	4.5	3.9	4.2	4.1	4.4
17			116.1	114.9	116.1		119.2	119.6	118.1					
18			29.8	33.1	34.6		32.6	31.1	29.3					
19			K	K	K		K	K	N					
20			0	0	0		0	0	0					
21	10	82.0	2.8	2.8	3.2		2.8	2.6	3.1					

1	2	3	4	5	6	7	8	9	10	11	12
CHN17200	CHN	92.0	120.4	29.1	0.96	0.84	123	A883	A884	1	
			120.4	29.1	0.96	0.84	123	A881	A882	2	

			1		2		3		4		5		6	
13														
14			120.9		118.8		118.0		119.6		122.8		123.1	
15			27.0		27.5		29.1		31.1		30.9		30.2	
16	14	64.3	2.7	3.5	2.3	3.1	2.4	3.2	3.9	4.7	3.3	4.1	3.8	4.6
17			120.9	118.8	118.0		119.6	122.8	123.1					
18			27.0	27.5	29.1		31.1	30.9	30.2					
19			N	N	N		K	M	N					
20			0	0	0		0	0	0					
21	14	82.0	8.3	8.8	8.2		8.2	7.7	7.7					

1	2	3	4	5	6	7	8	9	10	11	12
CHN17300	CHN	92.0	115.7	27.4	1.14	0.94	99	A883	A884	1	
			115.7	27.4	1.14	0.94	99	A881	A882	2	

			1		2		3		4		5		6	
13														
14			114.1		118.5		118.1		116.8		113.9		113.5	
15			24.6		28.4		29.5		30.0		29.0		27.5	
16	08	64.0	3.6	3.7	3.8	3.9	3.9	4.0	4.3	4.3	3.8	3.9	4.4	4.4
17			114.1	118.5	118.1		116.8	113.9	113.5					
18			24.6	28.4	29.5		30.0	29.0	27.5					
19			N	N	K		K	K	K					
20			0	0	0		0	0	0					
21	08	82.0	1.3	1.1	1.4		2.1	1.4	1.9					

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17600	CHN	80.0	113.7	33.9	1.20	0.80	141	A883	A884	1	
			113.7	33.9	1.20	0.80	141	A881	A882	2	

			1		2		3		4		5		6	
13														
14			116.1		116.6		115.2		111.9		110.2		114.0	
15			36.1		34.0		31.3		32.5		34.5		36.3	
16	21	64.3	-0.1	0.6	0.3	0.9	-1.1	-0.4	-0.2	0.5	-1.2	-0.5	0.3	0.9
17			116.1	116.6	115.2		111.9	110.2	114.0					
18			36.1	34.0	31.3		32.5	34.5	36.3					
19			K	K	K		K	K	K					
20			0	0	0		0	0	0					
21	07	82.0	1.7	2.9	2.0		3.0	1.8	2.9					

1	2	3	4	5	6	7	8	9	10	11	12
CHN17700	CHN	80.0	111.8	30.8	1.42	0.82	160	A883	A884	2	
			111.8	30.8	1.42	0.82	160	A881	A882	1	

			1		2		3		4		5		6	
13														
14			109.2		109.5		116.0		116.0		113.6		113.6	
15			29.1		33.2		31.0		29.6		29.1		32.4	
16	24	64.7	-0.6	0.2	-0.2	0.6	1.2	1.9	0.8	1.5	1.4	2.1	1.2	1.9
17			109.2	109.5	116.0		116.0	113.6	113.6					
18			29.1	33.2	31.0		29.6	29.1	32.4					
19			K	K	K		K	K	K					
20			0	0	0		0	0	0					
21	10	82.0	3.8	4.0	4.6		4.3	5.3	4.6					

1	2	3	4	5	6	7	8	9	10	11	12
CHN18000	CHN	92.0	113.7	12.9	3.76	2.18	72	A883	A884	2	
			113.1	23.1	4.70	3.50	96	A881	A882	1	

			1		2		3		4		5		6	
13														
14			112.0		119.0		119.0		109.0		108.3		115.3	
15			3.0		12.0		19.2		17.2		6.5		21.5	
16	13	63.6	6.6	5.6	5.4	4.8	5.0	4.5	3.6	3.5	4.8	4.4	4.9	4.4
17			102.7	105.6	117.7		116.4	111.4						
18			22.9	31.8	38.5		40.0	10.2						
19			N	K	K		K	N						
20			0	0	0		0	0						
21	13	82.0	0.6	0.5	0.4		-0.1	0.8						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18200	CHN	80.0	108.7	35.1	1.42	0.88	109	A883	A884	1	
			108.7	35.1	1.42	0.88	109	A881	A882	2	

			1		2		3		4		5		6	
13														
14			111.5		111.0		109.6		105.7		107.3		106.4	
15			39.5		33.3		31.8		32.9		37.5		35.0	
16	17	64.2	-0.1	0.7	-0.2	0.6	-0.3	0.5	-1.3	-0.5	0.6	1.3	0.3	1.0
17			111.5		111.0		109.6		105.7		107.3		106.4	
18			39.5		33.3		31.8		32.9		37.5		35.0	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	03	82.0	3.5		3.9		4.4		3.4		4.7		4.7	

1	2	3	4	5	6	7	8	9	10	11	12
CPV30100	CPV	-31.0	-24.0	16.0	0.86	0.70	144	A883	A884	2	
			-24.0	16.0	0.86	0.70	144	A881	A882	1	

			1		2		3		4		5		6	
13														
14			-22.9		-24.3		-24.9		-25.1		-25.1		-23.2	
15			16.8		14.4		16.9		17.2		17.0		15.1	
16	04	62.2	4.6	5.6	4.3	5.3	5.7	6.7	4.9	5.9	5.3	6.3	5.7	6.7
16	08	62.2	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8
16	12	62.3	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8
16	16	62.4	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8
16	20	62.4	3.9	4.9	3.9	4.9	5.3	6.3	4.5	5.5	4.9	5.9	5.1	6.1
17			-22.9		-24.3		-24.9		-25.1		-25.1		-23.2	
18			16.8		14.4		16.9		17.2		17.0		15.1	
19			E		N		E		E		E		N	
20			0		0		0		0		0		0	
21	04	82.0	34.3		33.4		35.5		34.6		35.1		35.7	
21	08	82.0	35.1		34.2		36.3		35.4		35.9		36.5	
21	12	82.0	35.9		35.0		37.1		36.2		36.7		37.3	
21	02	82.0	34.3		33.4		35.5		34.6		35.1		35.7	
21	06	82.0	32.1		31.2		33.3		32.4		32.8		33.5	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ETH09200	ETH	23.0	39.7	9.1	3.50	2.40	124	A883	A884	2	
			39.7	9.1	3.50	2.40	124	A881	A882	2	

			1		2		3		4		5		6	
13														
14			42.4		35.5		39.0		34.5		45.0		39.2	
15			13.0		7.5		3.3		6.2		5.0		17.5	
16	22	63.4	3.0	3.9	3.4	4.3	7.4	8.2	3.0	3.9	9.6	10.3	2.4	3.3
16	26	63.5	2.6	3.6	3.0	4.0	6.6	7.6	2.6	3.6	7.8	8.8	1.9	2.9
16	30	63.6	2.5	3.4	2.9	3.8	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
16	34	63.6	2.5	3.4	3.0	3.9	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
16	38	63.7	2.5	3.4	2.9	3.8	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
17			41.1	38.5	36.6	34.6	34.0	35.1	42.1	45.0	48.0	43.1		
18			15.1	18.0	15.6	10.9	7.9	4.5	4.2	5.1	8.0	12.7		
19			C	C	E	J	J	K	J	E	E	E		
20			0	0	400	800	200	200	0	200	700	0		
21	08	82.0	13.3	12.1	13.5	13.9	13.0	12.3	14.3	13.6	11.8	13.6		
21	12	82.0	27.4	26.1	27.5	28.0	27.1	26.3	28.3	27.7	25.8	27.7		
21	02	82.0	13.2	12.0	13.4	13.8	12.9	12.2	14.2	13.5	11.7	13.5		
21	06	82.0	13.3	12.1	13.5	13.9	13.0	12.3	14.2	13.6	11.7	13.6		
21	10	82.0	13.4	12.2	13.5	14.0	13.1	12.3	14.3	13.7	11.8	13.7		

1	2	3	4	5	6	7	8	9	10	11	12
IFB02100	AFS	5.0	24.5	-28.0	3.13	1.68	27	A883	A884	2	
			24.5	-28.0	3.13	1.68	27	A881	A882	1	

			1		2		3		4		5		6	
13														
14			30.0		32.5		25.8		20.0		16.8		18.2	
15			-22.1		-27.0		-24.7		-25.0		-28.0		-34.2	
16	21	64.1	0.7	1.7	4.4	5.4	6.4	7.3	10.4	11.2	12.1	12.9	11.4	12.2
16	25	64.2	-0.3	0.3	3.1	3.3	1.4	1.9	-0.7	0.0	0.1	0.7	4.0	4.1
16	29	64.1	-0.3	0.3	3.1	3.4	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.2
16	33	64.2	-0.3	0.6	3.2	4.1	1.4	2.3	-0.7	0.3	0.2	1.1	4.1	5.0
16	37	64.3	-0.3	0.3	3.1	3.3	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.2
17			30.0	32.5	24.0	20.0	16.8	18.2	25.6	31.0	28.9	14.5		
18			-22.1	-27.0	-23.0	-25.0	-28.0	-34.2	-33.9	-29.7	-26.2	-23.0		
19			E	K	E	C	C	D	D	K	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	01	82.0	22.0	22.7	22.5	22.5	22.4	22.0	21.8	22.6	24.4	15.4		
21	05	82.0	7.8	8.5	8.3	8.3	8.2	7.8	7.6	8.4	10.2	1.3		
21	09	82.0	8.0	8.7	8.4	8.5	8.4	7.9	7.8	8.6	10.4	1.4		
21	13	82.0	16.3	17.0	16.7	16.8	16.7	16.2	16.1	16.9	18.7	9.7		
21	03	82.0	7.8	8.5	8.3	8.3	8.2	7.8	7.6	8.4	10.2	1.3		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2	3.
			93.0	25.5	1.46	1.13	40	A881	A882	1	

			1		2		3		4		5		6	
13			93.0		91.6		89.8		91.5		96.0		97.1	
14			22.0		23.0		26.0		27.8		29.5		27.1	
15	06	64.0	1.8	2.1	4.3	4.1	1.7	2.0	0.4	0.9	-1.0	-0.4	-0.5	0.1
16	14	64.1	4.1	5.1	5.8	6.8	2.8	3.8	2.1	3.1	2.1	3.1	3.8	4.8

			1	2	3	4	5	6
16			93.0	91.6	89.8	91.5	96.0	97.1
17			22.0	23.0	26.0	27.8	29.5	27.1
18			P	N	K	K	K	K
19			0	0	0	0	0	0
20	06	82.0	0.3	2.8	1.6	1.1	0.7	1.9
21	14	82.0	17.5	20.0	18.8	18.3	18.0	19.1

1	2	3	4	5	6	7	8	9	10	11	12
IND03800	IND	56.0	75.9	33.4	1.52	1.08	33	A883	A884	1	3.
			75.9	33.4	1.52	1.08	33	A881	A882	2	

			1		2		3		4		5		6	
13			73.9		73.6		72.5		74.6		80.3		79.0	
14			30.0		33.1		35.9		37.0		35.7		31.2	
15	17	64.3	0.7	0.9	6.2	4.7	4.5	3.7	5.2	4.2	7.7	5.5	-3.4	-2.7
16	23	64.4	8.1	7.3	11.1	9.1	6.5	6.2	7.1	6.6	11.3	9.2	5.7	5.6

			1	2	3	4	5	6
16			73.9	73.6	72.5	74.6	80.3	79.0
17			30.0	33.1	35.9	37.0	35.7	31.2
18			E	E	E	E	K	K
19			0	0	0	0	0	0
20	03	82.0	1.7	3.5	-1.6	-1.0	2.1	-0.8
21	09	82.0	5.5	7.2	2.1	2.8	5.8	2.9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03900	IND	56.0	72.7	11.2	1.26	0.60	107	A883	A884	1	3.
			72.7	11.2	1.26	0.60	107	A881	A882	2	

			1		2		3	
13			71.9		73.7		73.0	
14			12.3		10.9		8.3	
15	05	63.2	8.2	7.8	8.5	8.0	8.7	8.1
16	13	63.3	8.1	8.5	8.1	8.5	7.1	7.6

			1	2	3
16			71.9	73.7	73.0
17			12.3	10.9	8.3
18			N	N	N
19			0	0	0
20	05	82.0	5.3	4.1	3.3
21	13	82.0	9.8	8.5	7.7

1	2	3	4	5	6	7	8	9	10	11	12
IND04000	IND	56.0	73.0	25.0	1.82	1.48	58	A883	A884	2	3.
			73.0	25.0	1.82	1.48	58	A881	A882	1	

			1		2		3		4		5		6	
13			67.8		69.5		73.5		78.2		76.8		73.1	
14			24.0		27.0		30.0		27.0		24.2		20.1	
15	04	63.7	8.8	7.1	4.0	3.9	-0.6	0.0	3.0	3.1	7.5	6.3	8.6	7.0
16	12	63.8	4.7	5.2	0.5	1.3	-1.1	-0.2	4.1	4.7	7.8	7.9	8.5	8.4

			1	2	3	4	5	6
16			67.8	69.5	73.5	78.2	76.8	73.1
17			24.0	27.0	30.0	27.0	24.2	20.1
18			K	E	E	K	K	N
19			0	0	0	0	0	0
20	04	82.0	0.4	0.9	1.0	1.0	1.5	0.7
21	12	82.0	5.1	5.7	5.7	5.7	6.2	5.4

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 13

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04100	IND	56.0	78.4	16.0	2.08	1.38	35	A883	A884	2	3.
			78.4	16.0	2.08	1.38	35	A881	A882	1	

13			1		2		3		4		5		
14			73.6		78.3		84.9		80.2		76.8		
15			15.7		19.8		19.0		13.5		11.8		
16	20	63.8	13.2	8.8	3.1	3.2	1.8	2.1	13.6	8.9	13.9	9.0	
16	22	63.8	13.4	9.6	3.5	3.7	1.9	2.3	14.3	9.9	15.0	10.1	
17			73.6		78.6		84.9		80.2		76.8		
18			15.7		19.8		19.0		13.5		11.8		
19			N		N		N		N		N		
20			0		0		0		0		0		
21	06	82.0	1.0		0.6		0.3		0.9		0.6		
21	08	82.0	2.1		1.7		1.4		2.0		1.7		

1	2	3	4	5	6	7	8	9	10	11	12
IND04200	IND	68.0	79.3	27.7	2.14	1.16	147	A883	A884	2	3.
			79.3	27.7	2.14	1.16	147	A881	A882	1	

13			1		2		3		4		5		6			
14			78.7		74.5		81.0		83.6		84.6		83.0			
15			24.2		29.9		30.2		27.5		25.8		23.9			
16	18	63.8	1.8	2.2	2.6	2.9	4.4	4.4	1.2	1.7	-1.5	-0.8	-1.0	-0.3		
16	24	63.9	1.6	1.9	2.4	2.6	3.6	3.5	1.4	1.7	-1.3	-0.7	-0.7	-0.1		
17			78.7		74.5		81.0		83.6		84.6		83.0			
18			24.2		29.9		30.2		27.5		25.8		23.9			
19			K		E		K		K		K		K			
20			0		0		0		0		0		0			
21	04	82.0	1.3		2.2		1.8		2.1		1.6		2.0			
21	10	82.0	0.2		1.1		0.7		1.0		0.5		0.9			

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 14

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04300	IND	56.0	77.8	11.1	1.36	1.28	172	A883	A884	1	3.
			77.8	11.1	1.36	1.28	172	A881	A882	2	

13			1		2		3		4		5		
14			77.5		74.8		80.3		79.8		79.5		
15			8.1		12.8		13.5		10.2		9.1		
16	07	63.4	5.6	4.6	6.1	4.9	5.8	4.7	4.9	4.1	3.8	3.4	
16	15	63.5	5.5	6.0	6.2	6.6	5.9	6.3	5.0	5.5	3.9	4.5	
17			77.5		74.8		80.3		79.8		79.5		
18			8.1		12.8		13.5		10.2		9.1		
19			N		N		N		N		N		
20			0		0		0		0		0		
21	07	82.0	-0.8		-1.1		-0.9		0.8		0.0		
21	01	82.0	5.6		5.4		5.6		7.3		6.4		

1	2	3	4	5	6	7	8	9	10	11	12
IND04400	IND	68.0	79.5	22.3	2.19	1.42	146	A883	A884	1	3.
			79.5	22.3	2.19	1.42	146	A881	A882	2	

13			1		2		3		4		5		6			
14			74.1		75.2		78.2		81.5		84.3		81.2			
15			22.6		25.0		26.9		25.2		23.0		17.8			
16	01	63.4	7.2	7.0	5.6	5.7	0.9	1.6	1.7	2.3	2.5	3.0	9.0	8.3		
16	09	63.5	5.7	4.9	4.4	4.0	0.3	0.7	0.7	1.0	0.6	1.0	7.7	6.1		
17			74.1		75.2		78.2		81.5		84.3		81.2			
18			22.6		25.0		26.9		25.2		23.0		17.8			
19			K		K		K		K		N		N			
20			0		0		0		0		0		0			
21	01	82.0	3.1		4.2		3.5		3.9		3.3		3.5			
21	09	82.0	-0.4		0.7		0.0		0.4		-0.2		0.0			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04500	IND	56.0	76.2	19.5	1.58	1.58	21	A883	A884	2	3.
			76.2	19.5	1.58	1.58	21	A881	A882	1	

			1		2		3		4		5		6	
13														
14			74.0		72.6		74.4		80.0		80.2		74.0	
15			15.7		19.9		22.0		21.6		18.8		15.7	
16	02	63.6	4.5	4.8	4.1	4.5	3.2	3.7	4.9	5.2	6.5	6.5	4.5	4.8
16	10	63.6	4.5	5.1	4.1	4.8	3.1	3.8	4.9	5.5	6.5	6.9	4.5	5.1
17			74.0		72.6		74.4		80.0		80.2			
18			15.7		19.9		22.0		21.6		18.8			
19			N		N		K		N		N			
20			0		0		0		0		0			
21	02	82.0	3.3		4.1		4.4		3.8		3.6			
21	10	82.0	6.1		6.9		7.2		6.6		6.4			

1	2	3	4	5	6	7	8	9	10	11	12
IND04600	IND	68.0	84.7	20.5	1.60	0.86	30	A883	A884	1	3.
			84.7	20.5	1.60	0.86	30	A881	A882	2	

			1		2		3		4		5	
13												
14			81.4		84.0		87.5		84.3		82.3	
15			17.8		22.4		21.7		18.8		21.0	
16	19	63.6	4.3	4.4	1.0	1.5	0.5	1.1	4.6	4.6	3.0	3.3
16	21	63.7	4.6	4.4	1.2	1.6	0.6	1.1	4.9	4.6	3.3	3.4
17			81.4		84.0		87.5		84.3		82.3	
18			17.8		22.4		21.7		18.8		21.0	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	05	82.0	2.4		1.5		4.1		3.4		2.6	
21	07	82.0	1.4		0.5		3.1		2.4		1.5	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04700	IND	68.0	93.3	11.1	1.92	0.60	96	A883	A884	1	3.
			93.3	11.1	1.92	0.60	96	A881	A882	2	

			1		2		3		4	
13										
14			93.8		94.2		93.8		92.2	
15			14.8		13.4		6.8		11.5	
16	03	63.5	6.1	6.8	7.5	8.0	10.3	10.4	10.0	10.2
16	11	63.5	6.2	7.2	7.7	8.7	13.6	14.4	10.6	11.5
17			93.8		94.2		93.8		92.2	
18			14.8		13.4		6.8		11.5	
19			P		P		P		N	
20			0		0		0		0	
21	03	82.0	9.1		9.2		8.5		7.9	
21	11	82.0	19.7		19.8		19.1		18.5	

1	2	3	4	5	6	7	8	9	10	11	12
IND04800	IND	68.0	86.2	25.0	1.56	0.90	120	A883	A884	2	3.
			86.2	25.0	1.56	0.90	120	A881	A882	1	

			1		2		3		4		5		6	
13														
14			83.3		83.8		88.6		89.8		89.0		89.0	
15			25.2		27.4		28.2		26.7		25.3		23.2	
16	08	63.7	0.4	-0.2	0.1	-0.4	-2.7	-2.6	-2.8	-2.6	1.2	0.3	3.4	1.6
16	16	65.5	4.0	2.6	3.7	2.5	-4.4	-3.8	-6.2	-5.5	-1.2	-1.1	1.3	0.9
17			83.3		83.8		88.6		89.8		89.0			
18			25.2		27.4		28.2		26.7		25.3			
19			K		K		K		K		K			
20			0		0		0		0		0			
21	08	82.0	-2.1		-0.8		-3.9		-5.1		-2.1			
21	02	82.0	-0.6		0.7		-2.4		-3.6		-0.6			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRN10900	IRN	34.0	54.2	32.4	3.82	1.82	149	A883	A884	2	5.
			54.2	32.4	3.82	1.82	149	A881	A882	1	

13			1		2		3		4		5		6				
14			60.2		61.5		61.1		48.2		46.1		44.9				
15			25.2		31.0		36.5		30.3		33.1		39.4				
16	03	62.8	7.3	8.2	6.7	7.6	7.8	8.7	11.6	12.4	12.2	12.9	10.7	11.5			
16	07	62.8	7.3	8.2	6.7	7.6	7.7	8.6	11.6	12.4	12.2	13.0	10.7	11.6			
16	11	62.9	7.3	8.3	6.8	7.8	7.6	8.6	11.7	12.6	12.5	13.4	11.1	12.0			
17			48.0		44.6		56.5		61.2		61.8		63.3		61.4		55.1		48.2		45.4
18			39.7		39.8		38.2		36.6		31.3		27.1		25.1		25.9		30.3		34.0
19			K		K		C		C		E		E		E		C		E		K
20			0		0		0		0		0		0		0		0		0		0
21	03	82.0	16.5		15.7		16.2		15.3		17.1		16.3		15.9		16.3		16.5		16.5
21	07	82.0	17.6		16.9		17.4		16.4		18.3		17.4		17.0		17.5		17.7		17.7
21	11	82.0	21.2		20.5		21.0		20.0		21.9		21.1		20.7		21.1		21.3		21.3

1	2	3	4	5	6	7	8	9	10	11	12
ISR11000	ISR	-13.0	34.9	31.4	0.94	0.60	117	A883	A884	2	
			34.9	31.4	0.94	0.60	117	A881	A882	2	

13			1		2		3		4		5			
14			34.8		34.3		35.2		35.5		35.3			
15			29.5		31.2		33.2		32.4		31.3			
16	25	63.8	7.6	8.6	6.6	7.6	2.0	3.0	5.2	6.2	7.8	8.8		
16	29	63.9	7.6	8.6	6.7	7.7	2.0	3.0	5.2	6.2	7.8	8.8		
16	33	63.9	7.6	8.6	6.7	7.7	2.0	3.0	5.2	6.2	7.8	8.8		
17			34.8		34.3		35.2		35.5		35.3			
18			29.5		31.2		33.2		32.4		31.3			
19			D		G		L		K		G			
20			0		100		0		-125		-400			
21	11	82.0	21.2		23.0		21.5		22.8		23.4			
21	01	82.0	22.0		23.8		22.3		23.6		24.2			
21	05	82.0	19.0		20.8		19.3		20.6		21.2			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MOZ30700	MOZ	-1.0	34.0	-18.0	3.57	1.38	55	A883	A884	2	
			34.0	-18.0	3.57	1.38	55	A881	A882	1	

13			1		2		3		4		5			
14			40.3		40.0		32.5		30.3		35.0			
15			-10.3		-16.0		-26.8		-15.0		-11.8			
16	04	64.3	6.8	5.6	9.0	6.8	4.2	3.9	4.3	4.0	5.7	4.9		
16	08	64.2	6.8	5.6	8.9	6.8	4.2	3.9	4.2	3.9	5.7	4.9		
16	12	64.3	6.8	6.6	9.0	8.1	4.2	4.5	4.3	4.6	5.7	5.7		
16	16	64.4	6.8	6.6	9.0	8.1	4.2	4.5	4.2	4.5	5.7	5.7		
16	20	64.4	6.8	5.6	8.4	6.5	3.6	3.4	3.9	3.7	5.7	4.9		
17			40.3		40.0		32.5		30.3		35.0			
18			-10.3		-16.0		-26.8		-15.0		-11.8			
19			J		N		K		J		J			
20			0		0		0		0		0			
21	04	82.0	0.3		0.7		-0.1		-0.3		1.0			
21	08	82.0	0.3		0.8		-0.1		-0.3		1.1			
21	12	82.0	3.3		3.7		2.9		2.7		4.1			
21	02	82.0	3.2		3.7		2.8		2.6		4.0			
21	06	82.0	0.3		0.8		-0.1		-0.3		1.1			

1	2	3	4	5	6	7	8	9	10	11	12
MRC20900	MRC	-25.0	-9.0	29.2	2.72	1.47	43	A883	A884	2	
			-8.9	28.9	3.96	1.55	50	A881	A882	1	

13			1		2		3		4		5		6									
14			-13.0		-9.0		-1.2		-1.0		-6.0		-15.0									
15			23.0		26.0		32.2		35.0		36.0		26.0									
16	21	63.3	6.7	5.9	7.9	6.7	5.5	5.1	6.4	5.7	6.6	5.9	9.4	7.5								
16	25	63.3	5.8	5.3	5.8	5.3	3.8	3.8	7.6	6.5	7.5	6.5	8.8	7.2								
16	29	63.4	5.8	5.3	5.8	5.3	3.8	3.8	7.6	6.6	7.4	6.4	8.8	7.3								
16	33	63.4	5.8	4.3	5.8	4.3	3.8	3.0	7.6	5.2	7.4	5.1	8.8	5.7								
16	37	63.5	5.3	5.0	4.9	4.7	2.4	2.7	5.4	5.1	5.4	5.1	7.5	6.5								
17			-5.9		-2.0		-1.3		-5.7		-9.6		-13.2		-15.9		-12.8		-9.6		-17.0	
18			35.8		35.0		32.3		29.8		30.4		27.2		23.7		23.5		26.4		20.4	
19			K		K		E		C		E		C		E		A		C		E	
20			0		0		0		0		0		0		0		0		0		0	
21	07	82.0	0.8		1.8		0.8		2.3		2.3		2.0		1.4		2.2		2.6		0.7	
21	11	82.0	0.8		1.8		0.8		2.3		2.3		2.0		1.4		2.2		2.6		0.7	
21	01	82.0	0.9		2.0		1.0		2.4		2.4		2.2		1.5		2.4		2.8		0.8	
21	05	82.0	-2.1		-1.0		-2.0		-0.6		-0.6		-0.8		-1.5		-0.7		-0.3		-2.2	
21	09	82.0	0.9		2.0		1.0		2.4		2.4		2.2		1.5		2.4		2.8		0.8	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NIG11900	NIG	-19.0	7.8	9.4	2.16	2.02	45	A883	A884	1	
			7.8	9.4	2.16	2.02	45	A881	A882	2	

			1		2		3		4		5		6	
13														
14			3.4		7.0		5.5		13.3		12.0		7.0	
15			6.4		9.0		14.0		13.9		7.8		4.7	
16	22	63.9	4.0	4.1	10.2	8.3	6.0	5.7	4.5	4.5	5.4	5.2	6.8	6.3
16	26	63.9	3.8	4.0	9.9	8.2	5.8	5.5	4.3	4.4	5.3	5.2	6.6	6.1
16	30	64.0	3.8	4.2	9.9	8.9	5.8	5.9	4.3	4.6	5.3	5.5	6.6	6.5
16	34	64.1	3.8	4.2	9.9	8.9	5.8	5.9	4.3	4.6	5.3	5.5	6.6	6.5
16	38	64.1	3.8	3.9	10.0	8.1	5.8	5.5	4.4	4.4	5.3	5.1	6.5	6.0
17			3.4	7.0	5.5		13.3	12.0	7.0					
18			6.4	9.0	14.0		13.9	7.8	4.7					
19			N	N	K		E	N	P					
20			0	0	0		0	0	0					
21	02	82.0	2.8	5.1	1.9		1.5	3.1	2.6					
21	06	82.0	2.8	5.1	1.9		1.5	3.1	2.6					
21	10	82.0	4.4	6.7	3.5		3.1	4.6	4.2					
21	14	82.0	4.4	6.7	3.5		3.1	4.6	4.2					
21	04	82.0	2.5	4.8	1.6		1.2	2.8	2.3					

1	2	3	4	5	6	7	8	9	10	11	12
NMB02500	NMB	-19.0	17.5	-21.6	2.66	1.90	48	A883	A884	2	
			17.5	-21.6	2.66	1.90	48	A881	A882	1	

			1		2		3		4		5	
13												
14			12.0		21.0		25.0		21.0		20.0	
15			-17.0		-18.0		-17.6		-22.0		-28.4	
16	25	64.7	11.0	11.0	8.0	8.5	5.0	5.7	4.4	5.2	-0.4	0.5
16	29	64.8	11.3	11.6	8.1	8.8	5.1	5.9	4.4	5.2	-0.4	0.5
16	33	64.8	11.2	11.7	8.1	8.8	5.0	5.9	4.4	5.3	1.4	2.3
16	37	64.9	10.9	10.9	8.0	8.5	5.0	5.7	4.3	5.1	-0.4	0.5
17			17.1	20.0	21.0		25.0	21.0	12.0			
18			-22.6	-28.4	-22.0		-17.6	-18.0	-17.0			
19			E	E	E		N	E	E			
20			0	0	0		0	0	0			
21	05	82.0	11.3	8.1	10.6		7.9	9.8	7.9			
21	09	82.0	13.3	10.1	12.5		9.9	11.8	9.9			
21	13	82.0	14.5	11.3	13.8		11.2	13.0	11.1			
21	03	82.0	11.3	8.1	10.6		8.0	9.8	7.9			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK12700	PAK	38.0	69.6	29.5	2.30	2.16	14	A883	A884	1	
			69.6	29.5	2.30	2.16	14	A881	A882	1	

			1		2		3		4		5		6	
13														
14			70.0		74.5		75.0		74.5		71.7		66.5	
15			34.0		35.7		32.3		30.8		28.4		30.9	
16	02	63.9	4.7	5.6	1.8	2.8	4.2	5.1	5.4	6.3	7.8	8.7	8.0	8.9
16	06	64.0	4.7	5.7	1.8	2.8	4.3	5.3	5.4	6.3	7.8	8.7	8.0	8.9
17			70.0	74.5	75.0		74.5	71.7	66.5					
18			34.0	35.7	32.3		30.8	28.4	30.9					
19			C	E	E		E	E	E					
20			0	0	0		0	0	0					
21	02	82.0	15.1	14.2	15.5		15.7	16.2	15.8					
21	06	82.0	16.5	15.6	16.9		17.1	17.6	17.2					

1	2	3	4	5	6	7	8	9	10	11	12
PAK21000	PAK	38.0	72.1	30.8	1.16	0.72	90	A883	A884	1	
			72.1	30.8	1.16	0.72	90	A881	A882	1	

			1		2		3		4		5		6	
13														
14			75.2		70.1		72.3		73.7		71.8		70.4	
15			32.2		27.8		33.7		33.9		28.0		31.3	
16	12	63.5	-0.1	0.9	0.1	1.1	-1.4	-0.4	-0.6	0.4	-0.6	0.4	1.6	2.6
17			75.2	70.1	72.3		73.7	71.8	70.4					
18			32.2	27.8	33.7		33.9	28.0	31.3					
19			E	E	E		E	E	E					
20			0	0	0		0	0	0					
21	12	82.0	12.6	13.9	13.4		14.2	13.8	13.6					

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK28300	PAK	38.0	74.7	33.9	1.34	1.13	160	A883	A884	1	
			74.7	33.9	1.34	1.13	160	A881	A882	1	

			1		2		3		4		5		6	
13			70.3		79.8		79.1		75.1		72.8		70.0	
14			31.2		35.6		32.7		37.2		36.7		34.0	
15	04	64.3	3.0	3.9	4.7	5.6	2.5	3.5	6.9	7.8	6.7	7.6	5.5	6.4
16	08	64.3	3.0	4.0	4.8	5.8	2.5	3.5	7.0	8.0	6.8	7.8	5.5	6.5

17		70.3	79.8	75.1	72.8	70.0	79.0	
18		31.2	35.6	37.2	36.7	34.0	32.5	
19		E	C	C	E	C	E	
20		0	0	0	0	0	0	
21	04	82.0	13.0	13.6	13.3	13.0	13.4	12.9
21	08	82.0	21.1	21.7	21.4	21.1	21.5	21.0

1	2	3	4	5	6	7	8	9	10	11	12
PNG13100	PNG	110.0	147.7	-6.3	2.50	2.18	169	A883	A884	1	
			147.7	-6.3	2.50	2.18	169	A881	A882	2	

			1		2		3		4		5	
13			150.0		157.0		154.0		141.0		141.0	
14			-1.0		-7.0		-12.0		-9.2		-2.6	
15	02	64.5	5.6	6.6	6.6	7.6	4.6	5.6	1.5	2.5	2.9	3.9
16	06	64.4	5.4	6.4	6.3	7.3	4.3	5.3	1.4	2.4	2.8	3.8
16	10	64.5	5.4	6.4	6.4	7.4	4.4	5.4	1.4	2.4	2.8	3.8
16	14	64.6	5.2	6.2	6.1	7.1	4.1	5.1	1.3	2.3	2.7	3.7

17		150.0	157.0	154.0	141.0	141.0	
18		-1.0	-7.0	-12.0	-9.2	-2.6	
19		P	P	P	P	P	
20		0	0	0	0	0	
21	02	89.0	47.5	47.8	46.9	47.6	47.8
21	06	89.0	46.9	47.2	46.3	47.0	47.2
21	10	89.0	47.7	48.0	47.1	47.8	48.0
21	14	89.0	48.5	48.8	47.9	48.6	48.8

PLAN 2 DRAFT PLAN - 20SEP88 ORB(2) PAG. 22

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PNG27100	PNG	128.0	148.0	-6.7	2.80	2.05	155	A883	A884	1	
			148.0	-6.7	2.80	2.05	155	A881	A882	2	

			1		2		3		4		5	
13			150.0		157.0		154.0		141.0		141.0	
14			-1.0		-7.0		-12.0		-9.2		-2.6	
15	04	63.4	4.2	5.2	4.0	5.0	4.6	5.6	3.3	4.3	4.4	5.4
16	08	63.4	4.1	5.1	4.0	5.0	4.6	5.6	3.2	4.2	4.3	5.3
16	12	63.5	3.5	4.5	3.0	4.0	3.6	4.6	2.7	3.7	4.0	5.0

17		150.0	157.0	154.0	141.0	141.0	
18		-1.0	-7.0	-12.0	-9.2	-2.6	
19		P	P	P	P	P	
20		0	0	0	0	0	
21	04	89.0	50.6	50.7	51.5	50.4	51.5
21	08	89.0	50.4	50.5	51.3	50.3	51.3
21	12	89.0	52.1	52.2	52.9	51.9	52.9

1	2	3	4	5	6	7	8	9	10	11	12
SEN22200	SEN	-37.0	-14.4	13.8	1.46	1.04	139	A883	A884	2	
			-14.4	13.8	1.46	1.04	139	A881	A882	1	

			1		2		3		4		5		6	
13			-16.5		-15.0		-12.7		-12.0		-16.3		-17.7	
14			16.0		16.3		14.8		12.5		12.7		14.8	
15	21	63.6	2.7	3.7	2.4	3.4	3.2	4.2	2.8	3.8	5.2	6.2	3.3	4.3
16	25	63.7	3.2	4.2	3.0	4.0	5.0	6.0	5.0	6.0	6.6	7.5	4.0	5.0

17		-13.4	-16.1	-16.1	-16.2	-16.2	-16.2	-16.6	-15.1	-13.2	-17.3
18		13.5	15.4	14.1	12.4	14.4	14.2	14.5	15.2	15.4	14.4
19		K	K	K	N	K	K	N	K	K	N
20		0	0	0	0	0	0	0	0	0	0
21	07	82.0	19.1	17.9	18.4	16.7	18.3	18.3	17.8	18.5	17.2	16.8
21	11	82.0	19.2	18.0	18.5	16.9	18.4	18.4	17.9	18.6	17.3	16.9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SNG15100	SNG	74.0	103.8 103.8	1.3 1.3	0.60 0.60	0.60 0.60	0 0	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			103.8		104.0		104.0		103.0		102.4		106.0	
15			1.5		1.4		0.5		2.8		0.4		1.1	
16	03	63.6	3.5	4.5	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4	-1.6	-0.6
16	07	63.6	3.4	4.4	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4	-1.6	-0.6
16	11	63.7	10.9	11.9	10.8	11.8	10.5	11.5	5.3	6.3	10.6	11.6	3.3	4.3
16	15	63.7	6.8	7.8	6.7	7.7	5.7	6.7	1.6	2.6	4.5	5.5	0.3	1.3
17			103.8		104.0		104.0		103.0		102.4		106.0	
18			1.5		1.4		0.5		2.8		0.4		1.1	
19			P		P		P		P		P		P	
20			0		0		0		0		0		0	
21	02	82.0	40.6		40.6		38.5		34.3		35.3		33.5	
21	06	82.0	38.5		38.5		36.4		32.2		33.2		31.3	
21	10	82.0	39.2		39.2		37.1		32.9		33.9		32.0	
21	14	82.0	41.0		41.0		38.9		34.8		35.7		33.9	

1	2	3	4	5	6	7	8	9	10	11	12
STP24100	STP	-13.0	7.0 7.0	0.8 0.8	0.60 0.60	0.60 0.60	0 0	A883 A881	A884 A882	2 1	

			1		2		3		4	
13										
14			7.4		6.8		7.0		5.0	
15			1.7		0.4		0.8		2.0	
16	04	61.5	0.8	1.8	2.8	3.7	3.1	4.0	-2.4	-1.4
16	08	61.5	0.8	1.8	2.8	3.8	3.1	4.1	-2.4	-1.4
16	12	61.5	0.8	1.8	2.8	3.8	3.1	4.1	-2.4	-1.4
16	16	61.6	0.8	1.8	2.8	3.7	3.1	4.0	-2.4	-1.4
16	20	61.7	2.7	3.6	4.4	5.3	4.8	5.7	0.0	1.0
17			7.0							
18			0.8							
19			N							
20			0							
21	04	82.0	12.2							
21	08	82.0	47.0							
21	12	82.0	27.1							
21	02	82.0	12.2							
21	06	82.0	12.2							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TGO22600	TGO	-25.0	0.8 0.8	8.6 8.6	1.52 1.52	0.60 0.60	105 105	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			1.2		0.5		-0.2		0.7		1.7		1.9	
15			6.1		6.9		11.1		11.0		9.2		6.3	
16	02	63.4	1.8	2.1	1.5	1.8	1.5	1.8	-1.4	-0.8	-1.3	-0.7	-1.0	-0.4
16	06	63.4	1.5	1.5	1.5	1.5	-1.4	-0.9	-1.3	-0.9	-1.1	-0.7	0.8	0.9
16	10	63.5	1.5	1.5	1.5	1.5	-1.4	-0.9	-1.3	-0.9	-1.1	-0.7	0.8	0.9
16	14	63.5	1.5	2.2	1.5	2.2	-1.4	-0.6	-1.3	-0.5	-1.0	-0.2	0.8	1.5
16	18	63.6	1.5	1.8	1.5	1.8	-1.4	-0.8	-1.3	-0.7	-1.1	-0.5	0.8	1.2
17			1.2		0.3		-0.2		0.7		1.7		1.9	
18			6.0		6.9		11.1		11.0		9.2		6.3	
19			P		P		K		K		N		P	
20			0		0		0		0		0		0	
21	02	82.0	1.5		1.2		1.2		1.6		0.2		1.3	
21	06	82.0	-0.5		-0.7		-0.8		-0.3		-1.7		-0.7	
21	10	82.0	-0.5		-0.7		-0.8		-0.3		-1.7		-0.7	
21	14	82.0	5.3		5.0		5.0		5.4		4.0		5.0	
21	04	82.0	1.5		1.2		1.2		1.6		0.2		1.3	

1	2	3	4	5	6	7	8	9	10	11	12
UGA05100	UGA	11.0	32.3 32.3	1.2 1.2	1.46 1.46	1.12 1.12	60 60	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			34.0		31.2		30.0		29.8		33.8		34.6	
15			4.3		3.7		0.7		-1.3		-1.0		1.3	
16	03	63.3	5.8	6.1	7.3	7.4	5.5	5.9	1.3	2.0	3.0	3.6	4.6	5.1
16	07	63.3	5.8	6.2	7.3	7.5	5.5	6.0	1.3	2.1	2.9	3.6	4.6	5.2
16	11	63.3	5.8	6.4	7.3	7.7	5.5	6.1	1.3	2.1	2.9	3.7	4.6	5.3
16	15	63.4	5.8	6.4	7.3	7.7	5.5	6.1	1.3	2.1	2.9	3.7	4.6	5.3
16	19	63.4	5.8	6.4	7.3	7.7	5.5	6.1	1.3	2.1	2.9	3.7	4.6	5.3
17			34.0		31.2		30.0		29.8		33.8		34.6	
18			4.3		3.7		0.7		-1.3		-1.0		1.3	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	02	82.0	4.5		4.5		5.6		4.5		4.5		5.5	
21	04	82.0	5.5		5.4		6.5		5.5		5.4		6.5	
21	06	82.0	6.8		6.7		7.8		6.7		6.7		7.7	
21	08	82.0	6.8		6.7		7.8		6.7		6.7		7.7	
21	10	82.0	6.8		6.7		7.8		6.7		6.7		7.7	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
YMS26700	YMS	11.0	48.8	15.2	1.76	1.54	176	A883	A884	2	
			48.8	15.2	1.76	1.54	176	A881	A882	1	

			1		2		3		4		5		6	
13														
14			43.2		45.5		49.5		52.6		53.7		46.5	
15			12.4		15.0		18.4		16.6		12.2		13.5	
16	01	62.8	5.5	6.1	6.6	7.1	4.8	5.5	6.3	6.9	7.3	7.8	7.5	7.9
16	05	62.9	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.0	5.4	5.1	5.5
16	09	62.9	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.0	5.4	5.1	5.5
16	13	63.0	3.3	4.3	4.2	5.2	2.6	3.6	4.5	5.5	5.1	6.1	5.1	6.1
16	17	63.0	3.4	4.0	4.2	4.7	2.6	3.2	4.6	5.0	5.2	5.5	5.2	5.5
17			43.2		45.5		49.5		52.6		53.7		46.5	
18			12.4		15.0		18.4		16.6		12.2		13.5	
19			E		C		C		C		E		E	
20			0		0		0		0		0		0	
21	01	82.0	7.7		10.3		9.1		9.9		7.1		10.3	
21	05	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	09	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	13	82.0	28.0		30.6		29.4		30.2		27.4		30.6	
21	03	82.0	4.7		7.3		6.1		6.9		4.1		7.3	

1	2	3	4	5	6	7	8	9	10	11	12
ZMB31400	ZMB	-1.0	27.5	-13.1	2.38	1.48	39	A883	A884	1	
			27.5	-13.1	2.38	1.48	39	A881	A882	2	

			1		2		3		4		5		6	
13														
14			28.5		33.0		33.0		25.5		26.2		24.1	
15			-8.0		-9.0		-13.8		-17.5		-15.0		-11.0	
16	03	63.8	4.6	3.9	3.9	3.4	3.0	2.8	3.5	3.1	6.5	5.1	6.9	5.3
16	07	63.8	4.5	4.0	3.9	3.6	3.0	2.9	3.5	3.3	6.5	5.3	6.9	5.6
16	11	63.8	4.6	4.8	3.9	4.2	3.0	3.4	3.5	3.8	6.5	6.3	6.9	6.6
16	15	63.9	4.6	3.9	3.9	3.4	3.0	2.8	3.5	3.1	6.5	5.1	6.9	5.3
16	19	63.9	4.6	4.5	3.9	4.0	3.0	3.2	3.5	3.7	6.5	6.0	6.9	6.2
17			28.5		33.0		33.0		25.5		26.2		24.1	
18			-8.0		-9.0		-13.8		-17.5		-15.0		-11.0	
19			K		J		J		J		J		K	
20			0		0		0		0		0		0	
21	03	82.0	-1.2		-0.8		-0.7		-0.1		1.9		-0.3	
21	07	82.0	-0.6		-0.2		-0.1		0.5		2.6		0.3	
21	11	82.0	2.4		2.8		2.9		3.6		5.6		3.3	
21	05	82.0	-1.2		-0.8		-0.7		-0.1		1.9		-0.3	
21	09	82.0	1.2		1.6		1.7		2.4		4.4		2.2	

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 1

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AFG24500	AFG	50.0	70.2 67.0	35.5 34.3	1.32 1.89	1.13 1.19	53 18	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13			74.8		71.0		67.7		67.2		68.0		68.8	
14			37.2		38.5		37.3		34.0		31.6		31.6	
15														
16	03	62.8	2.8	3.6	4.2	4.9	1.9	2.7	1.9	2.7	0.5	1.4	0.6	1.5
16	07	62.9	2.6	3.4	4.0	4.7	1.8	2.6	1.8	2.6	0.4	1.3	0.6	1.5
16	11	62.9	3.0	3.8	4.0	4.7	1.8	2.6	2.0	2.8	0.7	1.6	0.8	1.6
16	15	63.0	3.6	4.3	4.5	5.2	2.1	2.9	2.5	3.3	1.1	1.9	1.3	2.1

17		69.2	62.1	64.8	70.0	62.2	70.6	
18		34.5	32.4	35.9	33.3	34.4	37.2	
19		E	E	C	E	C	E	
20		0	0	0	0	0	0	
21	03 84.0	8.4	6.8	6.9	7.0	6.4	7.0	
21	07 84.0	8.4	6.8	6.9	7.0	6.3	7.0	
21	11 84.0	8.4	6.8	6.9	7.0	6.3	7.0	
21	15 84.0	8.4	6.8	6.9	7.0	6.3	7.0	

1	2	3	4	5	6	7	8	9	10	11	12
AFG24600	AFG	50.0	64.5 67.0	33.1 34.3	1.44 1.89	1.40 1.19	21 18	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13			67.7		65.6		61.2		60.5		61.0		62.5	
14			37.3		37.5		35.4		34.0		29.9		29.3	
15														
16	01	63.4	-0.1	0.6	0.0	0.7	2.8	3.3	5.1	5.3	7.6	7.3	7.3	7.0
16	05	63.4	-0.3	0.6	-0.1	0.8	2.8	3.6	5.0	5.7	7.5	8.0	7.1	7.6
16	09	63.4	-0.3	0.6	-0.1	0.8	2.8	3.6	5.0	5.7	7.5	7.9	7.1	7.6
16	13	63.4	-0.3	0.6	-0.1	0.8	3.0	3.8	5.4	6.0	8.9	9.1	8.7	8.9

17		69.2	62.1	64.8	70.0	62.2	70.6	
18		34.5	32.4	35.9	33.3	34.4	37.2	
19		E	E	C	E	C	E	
20		0	0	0	0	0	0	
21	01 84.0	5.0	3.5	3.6	3.7	3.0	3.7	
21	05 84.0	9.2	7.6	7.7	7.8	7.2	7.8	
21	09 84.0	9.2	7.6	7.7	7.8	7.1	7.8	
21	13 84.0	8.7	7.1	7.3	7.3	6.7	7.3	

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 2

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AGL29500	AGL	-13.0	16.5 16.5	-12.0 -12.0	3.09 3.09	2.26 2.26	84 84	A883 A887	A884 A882	1 1	

			1		2		3		4		5	
13			12.0		12.5		20.0		24.0		23.0	
14			-17.5		-6.5		-6.0		-11.0		-17.5	
15												
16	23	64.1	12.8	9.0	6.9	6.1	10.0	7.8	8.8	7.2	12.6	8.9
16	27	64.2	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.3	12.6	8.9
16	31	64.2	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.3	12.6	8.9
16	35	64.3	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.3	12.6	8.9
16	39	64.4	13.0	9.0	6.9	6.1	10.0	7.8	8.8	7.2	12.6	8.9

17		12.0	12.5	20.0	24.0	23.0	
18		-17.5	-6.5	-6.0	-11.0	-17.5	
19		E	K	N	K	E	
20		0	0	0	0	0	
21	23 84.0	1.1	1.8	1.5	0.7	0.9	
21	27 84.0	1.1	1.8	1.5	0.7	0.9	
21	31 84.0	1.1	1.8	1.5	0.7	0.9	
21	35 84.0	1.1	1.8	1.5	0.7	0.9	
21	39 84.0	1.1	1.8	1.5	0.7	0.9	

1	2	3	4	5	6	7	8	9	10	11	12
ALB29600	ALB	-7.0	19.8 20.1	41.3 41.0	0.68 1.17	0.60 0.65	146 128	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13			19.8		19.3		19.4		20.3		21.0		20.7	
14			42.6		41.8		40.4		39.7		40.9		42.0	
15														
16	22	63.8	-1.9	-1.3	-0.1	0.3	0.7	1.0	-0.5	0.0	0.2	0.6	-0.1	0.3
16	26	63.8	-1.9	-1.3	-0.1	0.3	0.8	1.1	-0.5	0.0	0.2	0.6	-0.1	0.3
16	30	63.9	-1.9	-1.3	-0.1	0.3	0.8	1.1	-0.5	0.0	0.2	0.6	-0.1	0.3
16	34	63.9	-1.9	-1.3	-0.1	0.3	0.8	1.1	-0.5	0.0	0.2	0.6	-0.1	0.3
16	38	64.0	-2.3	-1.6	-0.5	0.0	0.1	0.5	-1.3	-0.7	-0.3	0.2	-0.5	0.0

17		19.7	19.4	19.3	20.2	21.1	20.5	
18		42.7	42.4	40.5	39.7	40.7	42.2	
19		K	K	L	L	L	K	
20		0	0	0	0	0	0	
21	02 84.0	-0.5	-0.5	-0.5	-0.1	-0.5	-0.2	
21	06 84.0	-0.5	-0.5	-0.5	-0.1	-0.5	-0.2	
21	10 84.0	-0.5	-0.5	-0.5	-0.1	-0.5	-0.2	
21	14 84.0	-0.5	-0.5	-0.5	-0.1	-0.5	-0.2	
21	18 84.0	-0.5	-0.5	-0.5	-0.1	-0.5	-0.2	

PLAN 3 DRAFT PLAN - 20SEP88 PAG. 3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ALG25100	ALG	-25.0	4.2 1.5	33.2 27.6	2.45 3.65	1.25 2.94	172 135	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			-2.2		-1.0		3.0		9.0		9.0		9.5	
15			35.0		36.0		36.0		37.0		35.5		30.0	
16	02	63.4	3.6	3.2	3.7	3.3	4.2	3.6	2.2	2.1	3.7	3.3	0.4	0.7
16	06	63.4	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7
16	10	63.5	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7
16	14	63.6	3.7	3.3	3.7	3.3	4.3	3.7	2.3	2.2	3.8	3.3	0.4	0.7
16	18	63.6	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7

17			3.0	5.4	-2.2	8.5	-8.2	11.0	-0.4	6.4	3.4	9.2		
18			37.0	19.3	35.0	37.0	27.4	24.0	36.0	36.2	32.3	30.1		
19			K	C	K	K	C	A	K	K	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	02	84.0	-0.7	-1.0	-0.4	-1.2	-0.8	-1.0	-0.5	-0.6	0.8	0.1		
21	06	84.0	-0.7	-1.0	-0.4	-1.2	-0.8	-1.0	-0.5	-0.6	0.8	0.1		
21	10	84.0	-0.7	-1.0	-0.4	-1.2	-0.8	-1.0	-0.5	-0.6	0.8	0.1		
21	14	84.0	-0.7	-1.0	-0.4	-1.2	-0.8	-1.0	-0.5	-0.6	0.8	0.1		
21	18	84.0	-0.7	-1.0	-0.4	-1.2	-0.8	-1.0	-0.5	-0.6	0.8	0.1		

1	2	3	4	5	6	7	8	9	10	11	12
ALG25200	ALG	-25.0	1.6 1.5	25.5 27.6	3.64 3.65	2.16 2.94	152 135	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			9.5		12.0		5.0		1.6		-5.0		-9.0	
15			30.0		23.0		19.0		25.5		25.0		27.5	
16	04	62.8	3.6	3.2	3.8	3.3	5.4	4.4	11.0	7.1	10.4	6.9	10.2	6.8
16	08	62.8	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.4	6.9	10.3	6.9
16	12	62.9	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.5	6.9	10.3	6.9
16	16	63.0	3.7	3.3	3.8	3.3	5.4	4.4	11.1	7.1	10.5	6.9	10.3	6.9
16	20	63.0	4.2	4.1	4.7	4.5	4.9	4.7	10.3	8.0	7.3	6.4	4.2	4.1

17			3.0	5.4	-2.2	8.5	-8.2	11.0	-0.4	6.4	3.4	9.2		
18			37.0	19.3	35.0	37.0	27.4	24.0	36.0	36.2	32.3	30.1		
19			K	C	K	K	C	A	K	K	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	04	84.0	-0.7	-1.0	-0.4	-1.2	-0.8	-1.0	-0.5	-0.6	0.8	0.1		
21	08	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.1		
21	12	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.1		
21	16	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.1		
21	20	84.0	1.3	1.0	1.6	0.8	1.2	1.0	1.5	1.4	2.8	2.1		

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS00300	ARS	17.0	41.1 44.6	23.8 23.4	3.52 4.21	1.68 2.48	134 145	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			35.5		38.0		39.0		38.0		42.5		47.5	
15			30.0		24.0		21.0		32.0		17.0		17.0	
16	04	62.6	-0.2	0.5	3.0	3.4	4.3	4.5	-0.1	0.6	4.1	4.4	2.6	3.1
16	08	62.7	-0.2	0.5	3.0	3.4	4.3	4.5	-0.1	0.6	4.2	4.5	2.7	3.2
16	12	62.7	-0.2	0.5	3.0	3.4	4.4	4.6	-0.1	0.6	4.2	4.5	2.7	3.2
16	16	62.8	-0.2	0.5	3.0	3.4	4.4	4.6	-0.1	0.6	4.2	4.5	2.7	3.2
16	20	62.8	-0.2	0.5	3.0	3.4	4.6	4.8	-0.3	0.4	8.0	7.4	8.5	7.8

17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8		
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3		
19			A	C	C	E	C	C	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	04	84.0	3.9	2.6	2.9	2.6	3.3	3.6	2.5	2.7	3.0	2.5		
21	08	84.0	3.9	2.6	3.0	2.6	3.3	3.6	2.5	2.8	3.0	2.6		
21	12	84.0	3.9	2.5	2.9	2.5	3.3	3.6	2.5	2.7	3.0	2.5		
21	16	84.0	3.9	2.6	3.0	2.6	3.3	3.6	2.5	2.8	3.0	2.6		
21	20	84.0	4.0	2.7	3.1	2.7	3.4	3.7	2.6	2.9	3.1	2.7		

1	2	3	4	5	6	7	8	9	10	11	12
ARS27500	ARS	17.0	48.3 44.6	24.6 23.4	3.84 4.21	1.20 2.48	138 145	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			40.0		40.0		55.5		50.0		56.0		50.0	
15			32.0		30.0		24.0		18.5		21.0		26.5	
16	02	62.8	8.8	6.7	11.0	7.6	2.6	2.6	1.6	1.8	3.6	3.4	6.6	5.5
16	06	62.9	8.8	6.7	11.0	7.6	2.6	2.6	1.6	1.8	3.6	3.4	6.6	5.5
16	10	62.9	8.9	6.7	11.1	7.7	2.7	2.7	1.6	1.8	3.6	3.4	6.6	5.5
16	14	63.0	9.0	6.8	11.3	7.7	7.3	5.9	1.8	2.0	6.7	5.5	7.5	6.0
16	18	63.0	8.9	6.7	11.1	7.7	3.9	3.6	1.8	2.0	4.9	4.4	7.3	5.9

17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8		
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3		
19			A	C	C	E	C	C	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	02	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.2	-0.3		
21	06	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3		
21	10	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3		
21	14	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.2	-0.3		
21	18	84.0	1.0	-0.3	0.1	-0.3	0.4	0.7	-0.4	-0.1	0.1	-0.3		

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 5

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS34000	ARS	17.0	52.3 44.6	24.8 23.4	2.68 4.21	0.70 2.48	143 145	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			48.0		53.0		56.0		59.0		52.5		48.7	
15			30.0		27.5		25.0		21.0		22.0		24.0	
16	23	63.2	1.2	1.1	7.5	5.1	4.7	3.6	5.1	3.8	4.9	3.7	4.8	3.6
17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8		
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3		
19			A	C	C	E	C	C	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	23	84.0	-0.9	-2.2	-1.8	-2.2	-1.5	-1.2	-2.3	-2.0	-1.8	-2.2		

1	2	3	4	5	6	7	8	9	10	11	12
AUS00400	AUS	98.0	121.8 130.5	-24.9 -24.3	3.60 6.22	1.90 4.71	54 51	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
13														
14			124.5		116.7		114.6		115.9		126.6		128.3	
15			-15.5		-20.7		-28.8		-32.0		-31.0		-17.8	
16	03	63.0	9.7	10.0	11.9	11.8	12.3	12.1	12.5	12.2	7.3	7.9	10.0	10.2
16	07	63.1	9.7	10.0	11.9	11.8	12.3	12.1	12.5	12.2	7.3	7.9	10.0	10.2
16	11	63.1	9.8	10.1	12.0	11.8	12.3	12.1	12.6	12.3	7.3	7.9	10.0	10.2
16	15	63.2	1.7	2.5	8.6	8.6	9.0	8.9	9.2	9.0	5.9	6.3	5.2	5.7
16	19	63.2	-1.2	-0.4	6.4	6.4	7.2	7.1	7.4	7.2	4.8	5.1	2.7	3.3
16	23	63.3	-1.1	-0.2	6.7	7.0	7.4	7.6	7.6	7.8	5.0	5.5	3.1	3.8
17			142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9		
18			-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7		
19			P	P	P	F	F	F	K	F	P	E		
20			0	0	0	0	0	0	0	0	0	0		
21	03	87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2		
21	07	87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2		
21	11	87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2		
21	15	87.0	5.5	5.8	5.9	6.3	5.3	7.1	6.1	5.9	7.0	8.4		
21	19	87.0	3.7	4.0	4.1	4.5	3.5	5.3	4.3	4.2	5.3	6.6		
21	23	87.0	5.6	5.9	6.0	6.3	5.4	7.2	6.1	6.0	7.1	8.4		

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00500	AUS	98.0	133.5 130.5	-18.8 -24.3	2.70 6.22	1.40 4.71	76 51	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
13														
14			130.8		131.7		137.9		129.0		135.6		137.7	
15			-12.5		-25.3		-17.2		-16.5		-12.0		-23.5	
16	01	64.3	1.8	2.7	5.9	6.6	9.5	9.8	3.2	4.0	6.0	6.7	7.6	8.1
16	05	64.4	1.8	2.7	5.9	6.6	9.5	9.8	3.2	4.0	5.9	6.6	7.6	8.1
16	09	64.4	1.7	2.6	5.8	6.5	9.4	9.7	3.1	3.9	5.9	6.6	7.6	8.1
16	13	64.4	1.7	2.6	5.8	6.5	9.4	9.7	3.1	3.9	5.9	6.6	7.5	8.0
16	17	64.5	-1.6	-0.7	5.3	5.8	8.2	8.2	2.7	3.4	2.4	3.1	6.3	6.7
16	21	64.5	-1.7	-0.8	5.3	5.8	8.1	8.2	2.6	3.3	2.3	3.0	6.3	6.7
17			142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9		
18			-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7		
19			P	P	P	F	F	F	K	F	P	E		
20			0	0	0	0	0	0	0	0	0	0		
21	01	87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2		
21	05	87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2		
21	09	87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2		
21	13	87.0	8.2	8.5	8.7	9.0	8.0	9.8	8.8	8.7	9.8	11.1		
21	17	87.0	5.5	5.8	6.0	6.3	5.3	7.1	6.1	6.0	7.1	8.4		
21	21	87.0	5.5	5.8	5.9	6.3	5.3	7.1	6.1	5.9	7.1	8.4		

1	2	3	4	5	6	7	8	9	10	11	12
AUS00600	AUS	98.0	135.4 130.5	-30.3 -24.3	2.00 6.22	1.40 4.71	44 51	A883 A887	A884 A885	1 2	1.

			1		2		3		4		5		6	
13														
14			141.0		140.9		138.6		133.2		129.5		140.8	
15			-32.1		-35.3		-34.9		-26.6		-30.7		-27.7	
16	02	63.2	4.5	5.5	5.5	6.5	7.0	8.0	4.4	5.4	5.7	6.7	1.0	2.0
16	06	63.3	4.6	5.6	5.5	6.5	7.0	8.0	4.4	5.4	5.8	6.8	1.1	2.1
16	10	63.3	4.7	5.7	5.7	6.7	7.3	8.3	4.6	5.6	6.0	7.0	1.1	2.1
16	14	63.4	4.8	5.8	5.8	6.8	7.3	8.3	4.6	5.6	6.0	7.0	1.1	2.1
16	18	63.4	-0.9	0.1	-1.7	-0.7	-0.7	0.3	-0.9	0.1	-1.1	-0.1	-2.6	-1.6
16	22	63.5	-0.9	0.1	-1.8	-0.8	-0.7	0.3	-0.9	0.1	-1.1	-0.1	-2.6	-1.6
17			142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9		
18			-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7		
19			P	P	P	F	F	F	K	F	P	E		
20			0	0	0	0	0	0	0	0	0	0		
21	28	87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2		
21	32	87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2		
21	36	87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.9	23.2		
21	40	87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.9	23.2		
21	26	87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2		
21	30	87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00700	AUS	128.0	145.0 133.6	-38.1 -24.4	1.83 6.75	1.39 5.90	134 172	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
			141.0		140.0		147.4		149.6		144.7		146.9	
			-34.0		-37.3		-42.9		-37.5		-36.1		-36.1	
04	63.3	1.8	2.8	1.9	2.9	3.0	4.0	1.3	2.3	3.2	4.2	2.1	3.1
08	63.4	1.9	2.9	2.0	3.0	3.0	4.0	1.3	2.3	3.3	4.3	2.2	3.2
12	63.4	1.8	2.7	1.9	2.8	2.8	3.7	1.1	2.0	3.1	3.9	2.0	2.9
16	63.5	6.7	7.4	8.1	8.6	9.9	10.2	5.8	6.5	7.7	8.3	6.2	6.9
20	63.5	6.6	7.3	8.0	8.5	9.8	10.1	5.8	6.5	7.6	8.2	6.2	6.9
24	63.6	7.0	8.0	8.5	9.5	11.7	12.7	6.6	7.6	8.0	9.0	6.8	7.8

	142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
	-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
	P	P	P	F	F	F	K	F	P	E
	0	0	0	0	0	0	0	0	0	0
04 87.0	27.5	27.7	27.9	28.3	27.1	29.1	27.5	27.3	28.8	30.3
08 87.0	27.5	27.8	27.9	28.3	27.1	29.1	27.5	27.4	28.9	30.3
12 87.0	9.0	9.2	9.3	9.7	8.6	10.6	9.0	8.8	10.3	11.8
16 87.0	9.0	9.2	9.3	9.8	8.6	10.6	9.0	8.8	10.3	11.8
20 87.0	9.0	9.2	9.3	9.7	8.5	10.5	8.9	8.8	10.3	11.7
24 87.0	28.1	28.3	28.4	28.8	27.7	29.7	28.1	27.9	29.4	30.9

1	2	3	4	5	6	7	8	9	10	11	12
AUS00800	AUS	128.0	145.9 133.7	-21.5 -24.4	2.90 6.78	2.00 5.90	120 172	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
			139.3		142.8		149.0		141.1		149.2		153.4	
			-17.3		-14.5		-29.0		-24.2		-21.2		-28.0	
02	63.8	7.2	8.2	4.1	5.1	2.8	3.8	3.1	4.1	10.3	11.3	5.2	6.2
06	63.7	7.2	8.2	4.1	5.1	2.8	3.8	3.0	4.0	10.3	11.3	5.2	6.2
10	63.8	7.3	8.3	4.2	5.2	2.8	3.8	3.1	4.1	10.4	11.4	5.2	6.2
14	63.9	7.0	7.6	4.1	4.9	2.7	3.6	3.0	3.8	10.0	10.3	4.7	5.5
18	63.9	7.3	7.9	8.3	8.8	2.7	3.6	3.0	3.9	11.3	11.4	4.7	5.5
22	64.0	7.3	7.9	8.5	9.0	2.7	3.6	3.0	3.9	11.4	11.5	4.7	5.5

	142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
	-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
	P	P	P	F	F	F	K	F	P	E
	0	0	0	0	0	0	0	0	0	0
02 87.0	21.6	21.8	21.9	22.3	21.2	23.1	21.5	21.4	22.9	24.3
06 87.0	21.6	21.8	21.9	22.3	21.2	23.1	21.5	21.4	22.9	24.3
10 87.0	22.3	22.6	22.7	23.1	21.9	23.9	22.3	22.1	23.6	25.1
14 87.0	8.8	9.1	9.2	9.6	8.4	10.4	8.8	8.6	10.1	11.6
18 87.0	9.0	9.2	9.3	9.7	8.6	10.5	8.9	8.8	10.3	11.7
22 87.0	9.0	9.2	9.3	9.7	8.6	10.5	8.9	8.8	10.3	11.7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00900	AUS	128.0	147.2 133.7	-32.0 -24.4	2.10 6.78	1.40 5.90	15 172	A883 A887	A884 A885	1 2	1.

			1		2		3		4		5		6	
			150.0		141.9		153.0		149.0		144.7		141.0	
			-36.5		-29.3		-30.0		-29.0		-36.1		-34.0	
03	64.1	4.4	5.4	4.1	5.1	5.4	6.4	5.8	6.8	3.9	4.9	3.7	4.7
07	64.1	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9	3.6	4.6
11	64.2	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9	3.6	4.6
15	64.2	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5	5.5	4.3	5.3
19	64.3	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5	5.5	4.3	5.3
23	64.3	5.1	6.1	4.8	5.8	6.4	7.4	6.6	7.6	4.5	5.5	4.3	5.3

	142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
	-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
	P	P	P	F	F	F	K	F	P	E
	0	0	0	0	0	0	0	0	0	0
28 87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
32 87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
36 87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
40 87.0	20.5	20.7	20.8	21.2	20.0	22.0	20.4	20.3	21.7	23.2
26 87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
30 87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2

1	2	3	4	5	6	7	8	9	10	11	12
AUT01600	AUT	-19.0	12.2 12.2	47.5 47.5	1.14 1.14	0.63 0.63	166 166	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
			17.1		15.0		13.0		9.4		10.9		14.6	
			48.0		49.0		48.2		47.2		46.7		46.4	
04	64.1	0.1	0.2	0.1	0.2	1.4	1.3	0.1	0.2	1.1	1.0	1.2	1.1
08	64.2	0.1	0.2	0.2	0.3	1.5	1.3	0.1	0.2	1.1	1.0	1.2	1.1
12	64.2	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.5	1.3	1.6	1.4
16	64.3	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.5	1.3	1.6	1.4
20	64.3	0.8	0.9	1.3	1.3	2.5	2.2	0.7	0.8	1.7	1.6	1.7	1.6

	9.6	17.1	15.1	14.7	16.0	13.9	9.5	14.5	16.4	12.2
	47.2	48.1	49.0	46.5	46.7	48.8	47.0	48.0	48.1	47.5
	H	K	H	K	K	H	H	H	K	H
	0	0	0	0	0	0	0	0	0	0
04 84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7
08 84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7
12 84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7
16 84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7
20 84.0	0.1	-1.8	-1.4	-0.6	-1.5	-0.8	-0.1	0.3	-1.2	1.2

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BDI27000	BDI	11.0	29.9 29.9	-3.1 -3.1	0.71 0.71	0.60 0.60	80 80	A883 A887	A884 A882	2 1	

			1		2		3		4	
13										
14			29.2		29.1		29.5		30.3	
15			-2.8		-2.7		-4.2		-2.7	
16	22	63.4	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	26	63.4	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	30	63.5	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	34	63.5	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	38	63.6	3.3	3.7	2.8	3.3	2.8	3.3	3.3	3.7

			1	2	3
17			29.2	30.3	29.5
18			-2.8	-2.7	-4.2
19			K	K	K
20			0	0	0
21	22	84.0	3.4	4.3	2.7
21	26	84.0	3.4	4.3	2.7
21	30	84.0	3.4	4.3	2.7
21	34	84.0	3.4	4.3	2.7
21	38	84.0	3.5	4.4	2.8

1	2	3	4	5	6	7	8	9	10	11	12
BEL01800	BEL	-19.0	4.6 4.6	50.6 50.6	0.82 0.82	0.60 0.60	167 167	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			2.5		3.4		4.8		5.8		6.4		5.6	
15			51.0		51.4		51.5		51.2		50.3		49.5	
16	21	64.2	4.6	4.8	4.6	4.8	3.6	3.9	2.5	3.0	0.5	1.2	0.9	1.5
16	25	64.1	1.4	2.0	1.6	2.2	1.2	1.8	0.5	1.2	-1.0	-0.2	-0.7	0.0
16	29	63.5	0.8	1.4	0.9	1.5	0.5	1.2	-0.1	0.6	-1.6	-0.8	-1.3	-0.5
16	33	63.9	1.1	1.7	1.3	1.9	0.9	1.5	0.2	0.9	-1.3	-0.5	-1.0	-0.2
16	37	64.4	1.5	2.1	1.7	2.3	1.3	1.9	0.6	1.3	-0.8	0.0	-0.5	0.2

			1	2	3	4	5	6
17			2.5	3.4	4.8	5.8	6.4	5.6
18			51.0	51.4	51.5	51.2	50.3	49.5
19			E	E	E	E	E	E
20			0	0	0	0	0	0
21	21	84.0	2.4	3.0	3.4	3.7	3.0	2.6
21	25	84.0	2.5	3.1	3.5	3.8	3.1	2.7
21	29	84.0	2.5	3.1	3.5	3.8	3.1	2.7
21	33	84.0	2.5	3.1	3.5	3.8	3.1	2.7
21	37	84.0	2.5	3.1	3.5	3.8	3.1	2.7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BEN23300	BEN	-19.0	2.2 2.2	9.5 9.5	1.44 1.44	0.68 0.68	97 97	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			2.2		2.0		2.3		3.4		1.0		3.2	
15			6.2		7.1		9.2		10.5		10.4		11.5	
16	03	63.3	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	07	63.3	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	11	63.4	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	15	63.4	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	19	63.4	1.9	2.0	3.7	3.4	5.4	4.6	5.0	4.4	3.2	3.1	5.2	4.5

			1	2	3	4	5	6
17			2.2	2.0	2.3	3.4	1.0	3.2
18			6.2	7.1	9.2	10.5	10.4	11.5
19			N	P	N	K	N	K
20			0	0	0	0	0	0
21	03	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2
21	07	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2
21	11	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2
21	15	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2
21	19	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2

1	2	3	4	5	6	7	8	9	10	11	12
BFA10700	BFA	-31.0	-1.5 -1.5	12.2 12.2	1.45 1.45	1.14 1.14	29 29	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			-5.0		-1.5		2.5		-1.5		-2.5		-5.5	
15			10.0		12.2		13.0		12.2		9.5		12.0	
16	21	64.0	0.7	0.9	4.6	3.9	3.8	3.3	4.6	3.9	2.3	2.2	-0.3	0.1
16	25	64.0	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.7
16	29	64.1	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6
16	33	64.1	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6
16	37	64.2	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6

			1	2	3	4	5
17			-5.0	-1.5	2.5	-2.5	-5.5
18			10.0	12.2	13.0	9.5	12.0
19			N	K	K	N	K
20			0	0	0	0	0
21	21	84.0	-1.1	2.2	-0.8	-0.9	-1.3
21	25	84.0	-1.4	1.8	-1.1	-1.2	-1.6
21	29	84.0	-1.4	1.8	-1.2	-1.2	-1.7
21	33	84.0	-1.4	1.8	-1.2	-1.2	-1.7
21	37	84.0	-1.4	1.8	-1.2	-1.2	-1.7

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 11

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BGD22000	BGD	74.0	90.3	23.6	1.46	0.84	135	A883	A884	1	
			90.3	23.6	1.46	0.84	135	A887	A882	1	

			1		2		3		4		5		6	
13			89.8		88.0		88.0		89.0		92.5		92.5	
14			26.0		27.0		24.0		22.0		21.5		25.0	
15														
16	15	63.7	6.9	4.9	5.5	4.1	6.8	4.8	5.8	4.3	-2.3	-1.8	1.3	1.2
16	18	63.7	0.0	0.8	-1.9	-1.0	-1.5	-0.7	-1.6	-0.7	0.7	1.5	-1.1	-0.3
16	20	63.7	0.3	0.5	-1.6	-1.1	-1.5	-1.0	-1.6	-1.1	0.7	0.8	-0.8	-0.4
16	22	63.8	0.6	0.3	-1.3	-1.2	-1.4	-1.3	-1.6	-1.4	0.7	0.4	-0.6	-0.6
16	24	63.8	0.3	0.1	-1.4	-1.3	-0.9	-0.9	-0.8	-0.8	0.2	0.0	-2.3	-2.0
17			89.8		88.0		88.0		89.0		92.5		92.5	
18			26.0		27.0		24.0		22.0		21.5		25.0	
19			K		K		N		N		P		K	
20			0		0		0		0		0		0	
21	12	84.0	0.3		-1.4		0.1		-0.9		0.2		-2.1	
21	14	84.0	6.4		4.7		6.2		5.2		6.3		4.0	
21	18	84.0	0.8		-0.9		0.6		-0.5		0.6		-1.7	
21	20	84.0	-1.3		-3.0		-1.6		-2.6		-1.5		-3.8	
21	22	84.0	-1.4		-3.1		-1.6		-2.6		-1.5		-3.8	

1	2	3	4	5	6	7	8	9	10	11	12
BHR25500	BHR	17.0	50.5	26.1	0.60	0.60	0	A883	A884	1	
			50.5	26.1	0.60	0.60	0	A887	A882	1	

			1	
13			52.3	
14			24.4	
15				
16	27	60.8	4.6	5.1
16	31	60.9	4.6	5.1
16	35	61.0	4.6	5.1
16	39	61.0	4.6	5.1
17			50.5	
18			26.1	
19			C	
20			0	
21	27	84.0	4.4	
21	31	84.0	4.4	
21	35	84.0	4.4	
21	39	84.0	4.4	

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 12

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BOT29700	BOT	-1.0	23.3	-22.2	2.13	1.50	36	A883	A884	2	
			23.3	-22.2	2.13	1.50	36	A887	A882	1	

			1		2		3		4		5		6	
13			21.0		25.3		29.3		25.6		20.6		20.0	
14			-18.4		-17.8		-22.1		-25.6		-27.0		-23.3	
15														
16	02	63.8	5.1	2.8	3.5	2.0	5.8	3.1	8.0	3.9	8.2	4.0	9.5	4.3
16	06	63.8	5.1	2.8	3.5	2.0	5.8	3.1	7.9	3.9	8.2	4.0	9.4	4.3
16	10	63.9	5.1	2.8	3.5	2.0	5.8	3.1	7.9	3.9	8.2	4.0	9.4	4.3
16	14	63.9	5.2	2.8	3.5	2.0	5.8	3.1	8.0	3.9	8.3	4.0	9.5	4.3
16	18	64.0	5.1	2.8	3.5	2.0	5.8	3.1	7.9	3.9	8.2	4.0	9.4	4.3
17			21.0		25.3		29.3		25.6		20.6		20.0	
18			-18.4		-17.8		-22.1		-25.6		-27.0		-23.3	
19			E		E		E		E		C		C	
20			0		0		0		0		0		0	
21	02	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	06	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	10	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	14	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	18	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	

1	2	3	4	5	6	7	8	9	10	11	12
BRM29800	BRM	74.0	97.1	19.1	3.58	1.48	104	A883	A884	2	
			97.1	19.1	3.58	1.48	104	A887	A882	2	

			1		2		3		4		5		6	
13			101.0		98.9		99.6		98.0		97.5		92.4	
14			21.7		16.4		11.8		9.5		28.3		21.4	
15														
16	17	63.9	6.2	5.3	9.5	7.1	2.1	2.3	1.2	1.5	3.7	3.5	-0.1	0.4
16	19	63.9	2.8	2.5	7.6	5.5	1.8	1.7	1.0	1.1	2.1	2.0	-1.0	-0.6
16	21	63.9	4.2	3.7	8.3	6.1	1.9	1.9	1.1	1.3	3.9	3.5	-0.9	-0.4
16	23	64.0	4.0	3.7	8.3	6.5	1.9	2.1	1.1	1.4	3.6	3.4	-0.9	-0.4
17			101.0		98.9		99.6		98.0		97.5		92.4	
18			21.7		16.4		11.8		9.5		28.3		21.4	
19			N		P		P		P		K		P	
20			0		0		0		0		0		0	
21	17	84.0	0.6		2.8		1.2		0.6		1.1		-0.2	
21	19	84.0	-0.8		1.4		-0.2		-0.8		-0.4		-1.6	
21	21	84.0	-0.3		2.0		0.4		-0.3		0.2		-1.0	
21	23	84.0	0.5		2.7		1.2		0.5		1.0		-0.3	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BRU33000	BRU	74.0	114.7	4.4	0.60	0.60	0	A883	A884	1	
			114.7	4.4	0.60	0.60	0	A887	A882	2	

			1		2		3	
13								
14			114.6		114.2		115.0	
15			4.0		4.6		4.9	
16	12	62.5	11.2	12.0	11.7	12.5	11.3	12.1
16	14	62.6	9.1	10.0	9.7	10.6	9.1	10.0
17			114.6		114.2		115.0	
18			4.0		4.6		4.9	
19			P		P		P	
20			0		0		0	
21	03	84.0	16.6		16.1		15.7	
21	07	84.0	16.6		16.0		15.6	

1	2	3	4	5	6	7	8	9	10	11	12
BTN03100	BTN	86.0	90.5	27.2	1.13	0.82	0	A883	A884	1	6.
			90.5	27.3	1.13	0.82	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			88.7		90.0		92.1		91.3		92.2		90.1	
15			27.1		26.8		26.9		28.1		27.3		28.7	
16	05	63.6	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	09	63.7	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	13	63.8	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	17	63.8	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
17			88.7		90.0		92.1		91.3		92.2		90.1	
18			27.1		26.8		26.9		28.1		27.3		28.3	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	05	84.0	7.6		8.7		7.8		8.0		7.8		7.8	
21	09	84.0	9.4		10.5		9.5		9.8		9.6		9.5	
21	14	84.0	8.1		9.2		8.2		8.5		8.2		8.2	
21	17	84.0	6.3		7.4		6.4		6.6		6.4		6.4	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BUL02000	BUL	-1.0	25.0	43.0	1.04	0.60	165	A883	A884	1	
			22.2	45.6	2.00	2.00	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			22.6		28.7		22.4		28.1		23.0		25.3	
15			44.3		43.8		42.3		42.0		41.3		41.2	
16	04	63.6	-1.0	-0.4	-2.2	-1.5	-0.5	0.0	-2.3	-1.6	-1.8	-1.2	-1.7	-1.1
16	08	63.7	-0.9	-0.3	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	12	63.8	-0.9	-0.3	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	16	63.8	-0.9	-0.3	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	20	63.9	-1.8	-1.0	-1.2	-0.5	-1.3	-0.6	-1.6	-0.9	-2.2	-1.4	-1.6	-0.9
17			22.6		28.7		22.4		28.1		23.0		25.3	
18			44.3		43.8		42.3		42.0		41.3		41.2	
19			K		K		K		K		L		L	
20			0		0		0		0		0		0	
21	04	87.0	3.2		0.5		2.5		-0.2		1.9		0.9	
21	08	87.0	3.2		0.5		2.5		-0.2		1.9		0.9	
21	12	87.0	3.2		0.5		2.6		-0.2		1.9		0.9	
21	16	87.0	3.2		0.5		2.6		-0.2		1.9		0.9	
21	20	87.0	4.9		2.2		4.3		1.5		3.6		2.6	

1	2	3	4	5	6	7	8	9	10	11	12
CAF25800	CAF	-13.0	21.0	6.3	2.25	1.68	31	A883	A884	2	
			21.0	6.3	2.25	1.68	31	A887	A882	2	

			1		2		3		4		5		6	
13														
14			15.5		14.6		16.5		27.5		23.2		22.0	
15			7.5		6.1		2.1		5.0		11.0		10.7	
16	24	64.3	3.4	4.0	4.6	5.1	7.8	7.8	2.8	3.5	0.4	1.2	0.9	1.7
16	28	64.3	3.4	4.0	4.7	5.2	7.8	7.8	2.8	3.5	0.4	1.2	0.9	1.7
16	32	64.4	3.4	4.0	4.7	5.2	7.8	7.8	2.9	3.6	0.4	1.2	0.9	1.7
16	36	64.4	3.4	4.0	4.7	5.2	7.8	7.8	2.9	3.6	0.4	1.2	0.9	1.7
16	40	64.5	3.6	4.2	4.8	5.3	8.1	8.0	3.1	3.7	0.6	1.4	1.1	1.9
17			15.5		14.6		16.5		27.5		23.2		22.0	
18			7.5		6.1		2.1		5.0		11.0		10.7	
19			N		P		P		N		K		K	
20			0		0		0		0		0		0	
21	24	84.0	5.3		5.3		5.4		4.7		5.1		5.3	
21	28	84.0	5.3		5.3		5.4		4.7		5.1		5.3	
21	32	84.0	5.3		5.3		5.4		4.7		5.1		5.3	
21	36	84.0	5.3		5.3		5.4		4.7		5.1		5.3	
21	40	84.0	5.3		5.3		5.4		4.7		5.1		5.3	

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 15

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CBG29900	CBG	68.0	105.0	12.7	1.01	0.90	110	A883	A884	1	
			105.0	12.7	1.01	0.90	110	A887	A882	2	

			1		2		3		4		5		6	
13														
14			103.5		102.5		104.0		106.5		107.5		106.0	
15			10.5		13.0		14.1		14.0		12.5		11.0	
16	18	64.3	1.6	2.3	1.9	2.5	2.2	2.8	2.2	2.8	2.3	2.9	2.9	3.5
16	20	64.3	1.6	0.7	1.9	0.9	2.2	1.1	2.2	1.1	2.2	1.1	2.9	1.5
16	22	64.3	1.7	0.5	2.0	0.7	2.2	0.8	2.3	0.9	2.3	0.9	3.0	1.3
16	24	64.3	2.3	2.9	2.8	3.4	3.1	3.6	3.3	3.8	3.2	3.7	3.6	4.1
17			103.5		102.5		104.0		106.5		107.5		106.0	
18			10.5		13.0		14.1		14.0		12.5		11.0	
19			P		P		N		N		N		N	
20			0		0		0		0		0		0	
21	18	84.0	3.6		4.2		5.3		5.2		4.4		4.7	
21	20	84.0	-4.8		-4.2		-3.2		-3.3		-4.1		-3.7	
21	22	84.0	-5.4		-4.8		-3.7		-3.8		-4.6		-4.3	
21	24	84.0	3.6		4.2		5.3		5.2		4.4		4.7	

1	2	3	4	5	6	7	8	9	10	11	12
CHN15400	CHN	62.0	83.9	40.5	2.75	2.05	177	A883	A884	1	
			101.9	33.5	5.10	2.80	143	A887	A882	2	

			1		2		3		4		5		6	
13														
14			73.6		80.0		87.6		96.3		79.0		90.0	
15			39.0		45.0		49.0		42.8		34.3		36.3	
16	02	63.2	0.6	0.7	5.5	4.1	6.6	4.7	4.2	3.3	-0.5	-0.2	1.6	1.5
16	06	63.3	0.6	0.9	5.5	4.7	6.6	5.4	4.2	3.8	-0.5	0.0	1.7	1.9
16	10	63.3	0.6	0.6	5.5	4.0	6.7	4.7	4.2	3.3	-0.5	-0.3	1.7	1.5
17			118.0		128.2		112.3		116.4		86.5			
18			48.0		43.3		22.9		40.0		32.6			
19			F		K		N		K		K			
20			0		0		0		0		0			
21	02	84.0	-2.2		-2.2		-1.4		-0.7		-1.4			
21	06	84.0	-0.5		-0.5		0.3		1.0		0.3			
21	10	84.0	-2.3		-2.3		-1.5		-0.8		-1.5			

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 16

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15401	CHN	62.0	83.9	40.5	2.75	2.05	177	A883	A884	1	
			83.9	40.5	2.75	2.05	177	A887	A882	2	

			1		2		3		4		5		6	
13														
14			73.6		80.0		87.6		96.3		79.0		90.0	
15			39.0		45.0		49.0		42.8		34.3		36.3	
16	14	63.4	5.2	5.5	11.3	9.8	12.0	10.2	10.6	9.4	2.5	3.1	6.2	6.3
17			73.6		80.0		87.6		96.3		79.0		90.0	
18			39.0		45.0		49.0		42.8		34.3		36.3	
19			C		C		E		C		C		K	
20			0		0		0		0		0		0	
21	14	84.0	3.7		4.7		3.5		3.5		4.2		3.9	

1	2	3	4	5	6	7	8	9	10	11	12
CHN15500	CHN	62.0	88.3	31.5	3.38	1.45	162	A883	A884	2	
			101.9	33.5	5.10	2.80	143	A887	A882	1	

			1		2		3		4		5		6	
13														
14			90.0		99.0		92.4		89.0		86.0		78.5	
15			36.3		30.0		26.9		27.5		28.0		32.5	
16	01	62.9	5.6	5.5	1.8	2.3	0.7	1.3	2.5	2.9	1.8	2.3	1.8	2.3
16	05	62.9	2.6	2.5	0.7	0.9	0.0	0.3	0.3	0.6	-0.5	-0.1	0.3	0.6
16	09	63.0	2.6	2.6	0.6	1.0	0.0	0.4	0.4	0.8	-0.4	0.1	0.3	0.7
17			118.0		128.2		112.3		116.4		86.5			
18			48.0		43.3		22.9		40.0		32.6			
19			F		K		N		K		K			
20			0		0		0		0		0			
21	01	84.0	2.0		1.9		2.7		3.5		2.8			
21	05	84.0	-1.0		-1.1		-0.3		0.5		-0.2			
21	09	84.0	-0.3		-0.4		0.4		1.1		0.5			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15501	CHN	62.0	88.3 88.3	31.5 31.5	3.38 3.38	1.45 1.45	162 162	A883 A887	A884 A882	2 1	

			1	2	3	4	5	6
13								
14			90.0	99.0	92.4	89.0	86.0	78.5
15			36.3	30.0	26.9	27.5	28.0	32.5
16	13	63.0	2.7 2.5	0.9 1.1	0.0 0.3	0.4 0.7	-0.4 0.0	0.5 0.8
17			90.0	99.0	92.4	89.0	86.0	78.5
18			36.3	30.0	26.9	27.5	28.0	32.5
19			K	K	K	K	C	
20			0	0	0	0	0	
21	13	84.0	-1.2	-0.5	-0.4	-0.1	-0.4	-0.5

1	2	3	4	5	6	7	8	9	10	11	12
CHN15600	CHN	62.0	97.8 101.9	36.3 33.5	2.56 5.10	1.58 2.80	157 143	A883 A887	A884 A882	1 2	

			1	2	3	4	5	6
13								
14			90.2	96.4	105.2	108.5	105.2	95.9
15			38.6	42.7	41.7	35.4	32.6	31.7
16	04	63.5	3.3 2.6	5.9 4.2	5.4 3.9	0.8 0.8	1.8 1.6	3.1 2.5
16	08	63.5	3.4 3.2	5.9 4.9	6.2 5.1	4.2 3.8	3.1 3.0	3.1 3.0
16	12	63.6	5.9 4.0	7.6 4.8	7.1 4.6	3.2 2.4	2.4 1.9	3.6 2.7
17			118.0	128.2	112.3	116.4	86.5	
18			48.0	43.3	22.9	40.0	32.6	
19			F	K	N	K	K	
20			0	0	0	0	0	
21	04	84.0	-2.3	-2.4	-1.6	-0.8	-1.5	
21	08	84.0	-0.6	-0.7	0.1	0.9	0.2	
21	12	84.0	-2.7	-2.8	-2.0	-1.2	-1.9	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15700	CHN	62.0	102.3 101.9	27.8 33.5	2.56 5.10	1.58 2.80	127 143	A883 A887	A884 A882	2 1	

			1	2	3	4	5	6
13								
14			101.7	97.7	97.5	109.2	105.6	105.8
15			21.3	24.0	33.0	28.5	23.2	33.0
16	03	65.2	0.9 1.3	3.1 3.1	3.6 3.5	6.1 5.3	2.6 2.7	5.5 4.9
16	07	65.1	0.9 1.2	3.0 2.9	3.5 3.3	6.1 5.1	2.5 2.5	5.5 4.7
16	11	65.2	1.1 1.4	3.1 3.1	3.6 3.5	5.7 5.0	2.5 2.6	5.5 4.9
17			118.0	128.2	112.3	116.4	86.5	
18			48.0	43.3	22.9	40.0	32.6	
19			F	K	N	K	K	
20			0	0	0	0	0	
21	03	84.0	0.0	-0.1	0.7	1.5	0.8	
21	07	84.0	-0.4	-0.5	0.3	1.1	0.4	
21	11	84.0	0.0	-0.1	0.7	1.5	0.8	

1	2	3	4	5	6	7	8	9	10	11	12
CHN15800	CHN	80.0	111.8 106.0	38.0 32.5	2.60 5.00	1.74 3.70	124 150	A883 A887	A884 A882	1 2	

			1	2	3	4	5	6
13								
14			105.8	105.2	111.8	119.8	115.3	119.8
15			32.9	41.6	45.0	46.8	31.5	40.0
16	15	64.9	5.5 5.1	11.0 8.2	12.0 8.6	7.8 6.6	3.1 3.2	4.9 4.6
16	19	64.9	-0.9 -7.1	-0.3 -7.0	0.3 -6.9	-0.6 -7.1	-1.0 -7.1	1.3 -6.8
16	23	65.0	-0.8 -7.1	-0.6 -7.1	-0.5 -7.0	-1.6 -7.3	-0.5 -7.0	1.0 -6.8
17			116.4	102.0	104.0	121.3		
18			40.0	36.4	30.8	31.3		
19			K	C	K	M		
20			0	0	0	0		
21	15	84.0	1.2	2.4	2.8	0.6		
21	19	84.0	-15.6	-14.4	-14.0	-16.2		
21	23	84.0	-15.6	-14.4	-14.0	-16.2		

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15900	CHN	80.0	109.4 106.0	27.3 32.5	2.14 5.00	1.72 3.70	107 150	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			105.6		103.6		109.5		113.8		115.3		109.8	
15			23.2		27.1		33.1		25.4		31.5		21.6	
16	18	64.5	1.4	-6.8	-0.3	-7.0	-0.9	-7.1	1.4	-6.8	0.5	-6.9	-0.3	-7.0
16	20	64.6	1.5	-6.7	-0.3	-7.0	-1.9	-7.3	1.0	-6.8	-1.1	-7.2	-0.3	-7.0
16	22	64.6	1.6	-6.7	0.2	-6.9	-0.8	-7.1	1.7	-6.7	-0.1	-7.0	0.0	-7.0
17			116.4		102.0		104.0		121.3					
18			40.0		36.4		30.8		31.3					
19			K		C		K		M					
20			0		0		0		0					
21	18	84.0	-15.6		-14.4		-14.0		-16.2					
21	20	84.0	-15.6		-14.4		-14.0		-16.2					
21	22	84.0	-15.6		-14.4		-14.0		-16.2					

1	2	3	4	5	6	7	8	9	10	11	12
CHN16000	CHN	92.0	122.8 108.1	45.3 33.7	2.50 5.00	1.45 4.00	150 148	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			122.5		115.6		122.5		134.8		128.3		116.8	
15			38.3		48.0		53.4		48.5		41.4		42.5	
16	03	65.1	-0.5	-0.1	6.3	4.8	6.7	5.1	2.0	1.9	1.2	1.3	3.3	2.9
16	07	65.1	0.3	0.5	7.3	5.3	7.7	5.5	2.5	2.3	1.6	1.6	4.2	3.5
16	11	65.2	1.0	1.1	8.2	5.7	8.8	6.0	2.9	2.6	2.1	2.0	5.1	4.1
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	03	84.0	-1.5		-1.0		-1.1		0.4					
21	07	84.0	-1.6		-1.1		-1.2		0.3					
21	11	84.0	-1.7		-1.2		-1.2		0.3					

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 20

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16100	CHN	92.0	118.1 108.1	31.1 33.7	2.49 5.00	1.69 4.00	117 148	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			116.0		120.2		123.8		114.0		115.4		122.6	
15			25.0		39.6		30.2		29.1		36.0		37.4	
16	02	64.5	4.9	4.4	1.8	2.0	3.1	3.0	6.9	5.7	5.3	4.7	0.7	1.1
16	04	64.5	4.6	4.2	0.5	0.9	2.8	2.8	5.4	4.7	2.9	2.9	0.0	0.5
16	06	64.5	4.8	4.3	2.1	2.2	3.0	3.0	6.8	5.6	5.4	4.7	0.7	1.1
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	02	84.0	-0.3		0.2		0.1		1.7					
21	04	84.0	-0.3		0.2		0.1		1.7					
21	06	84.0	-0.3		0.2		0.2		1.7					

1	2	3	4	5	6	7	8	9	10	11	12
CHN16200	CHN	92.0	115.9 108.1	21.0 33.7	2.74 5.00	2.42 4.00	23 148	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			110.0		107.6		112.5		125.0		119.0		118.4	
15			15.0		20.0		25.1		25.9		19.3		28.3	
16	01	64.0	4.6	4.7	3.2	3.5	4.1	4.3	0.0	0.7	6.0	5.8	0.9	1.5
16	05	64.0	3.9	3.4	2.6	2.4	2.3	2.2	-1.3	-0.8	4.4	3.7	-0.9	-0.5
16	09	64.0	4.6	3.8	3.1	2.7	3.3	2.9	-0.3	0.0	5.9	4.6	-0.2	0.1
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	01	84.0	2.0		2.5		2.4		3.9					
21	05	84.0	-1.4		-0.9		-0.9		0.6					
21	09	84.0	-1.6		-1.1		-1.1		0.4					

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 21

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16300	CHN	80.0	116.0	39.2	1.20	0.80	132	A883	A884	1	
			116.0	39.2	1.20	0.80	132	A887	A882	2	

			1		2		3		4		5	
13			115.4		114.6		117.7		119.5		116.0	
14			36.1		42.1		42.6		38.8		39.2	
16	01	64.4	2.8	3.6	7.1	7.6	6.2	6.8	3.0	3.8	6.0	6.6
17			115.4		114.6		117.7		119.5		116.0	
18			36.1		42.1		42.6		38.8		39.2	
19			K		K		K		K		K	
20			0		0		0		0		0	
21	01	84.0	7.8		7.3		7.4		7.3		10.8	

1	2	3	4	5	6	7	8	9	10	11	12
CHN16400	CHN	80.0	112.2	37.4	1.06	0.76	111	A883	A884	1	
			112.2	37.4	1.06	0.76	111	A887	A882	2	

			1		2		3		4		5		6	
13			111.5		114.1		113.6		110.3		110.3		114.1	
14			39.6		40.7		35.6		34.5		37.0		37.6	
16	05	64.2	5.8	6.4	5.0	5.7	2.0	2.8	2.2	3.0	5.1	5.8	4.1	4.9
17			111.5		114.1		113.6		110.3		110.3		114.1	
18			39.6		40.7		35.6		34.5		37.0		37.6	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	05	84.0	8.1		7.5		7.7		7.6		8.7		8.7	

1	2	3	4	5	6	7	8	9	10	11	12
CHN16500	CHN	80.0	111.4	41.8	1.58	1.20	15	A883	A884	1	
			111.4	41.8	1.58	1.20	15	A887	A882	2	

			1		2		3		4		5		6	
13			120.0		112.0		105.3		107.6		111.1		116.8	
14			45.5		45.1		41.6		37.8		39.5		41.9	
16	09	63.6	5.6	6.0	9.3	9.1	7.3	7.5	4.7	5.2	6.8	7.1	5.6	6.0
17			120.0		112.0		105.3		107.6		111.1		116.8	
18			45.5		45.1		41.6		37.8		39.5		41.9	
19			F		F		C		K		K		K	
20			0		0		0		0		0		0	
21	09	84.0	5.2		5.8		5.2		5.6		6.8		6.0	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16600	CHN	92.0	121.1	41.7	1.52	0.78	154	A883	A884	2	
			121.1	41.7	1.52	0.78	154	A887	A882	1	

			1		2		3		4		5		6	
13			118.8		125.6		119.3		116.3		123.8		120.8	
14			40.7		40.8		45.2		43.1		43.5		38.5	
16	24	64.5	4.3	5.3	0.4	1.4	1.5	2.5	3.4	4.4	1.5	2.5	1.2	2.2
17			118.8		125.6		119.3		116.3		123.8		120.8	
18			40.7		40.8		45.2		43.1		43.5		38.5	
19			K		K		F		K		K		K	
20			0		0		0		0		0		0	
21	24	84.0	22.8		22.0		21.3		21.5		21.6		21.0	

1	2	3	4	5	6	7	8	9	10	11	12
CHN16700	CHN	92.0	124.3	43.7	1.98	0.72	156	A883	A884	2	
			124.3	43.7	1.98	0.72	156	A887	A882	1	

			1		2		3		4		5		6	
13			119.5		131.0		125.7		121.0		119.2		124.0	
14			47.3		42.9		40.6		42.1		45.1		46.3	
16	17	64.7	7.5	7.5	9.2	8.8	6.7	6.9	6.5	6.7	7.2	7.3	11.1	10.1
17			119.5		131.0		125.7		121.0		119.2		124.0	
18			47.3		42.9		40.6		42.1		45.1		46.3	
19			F		K		K		K		F		F	
20			0		0		0		0		0		0	
21	17	84.0	4.8		5.0		5.4		4.4		6.0		5.9	

1	2	3	4	5	6	7	8	9	10	11	12
CHN16800	CHN	92.0	124.8	48.1	2.68	0.92	157	A883	A884	2	
			124.8	48.1	2.68	0.92	157	A887	A882	1	

			1		2		3		4		5		6	
13			135.0		123.5		120.0		115.5		119.5		129.0	
14			48.4		53.5		52.7		48.0		47.3		43.5	
16	22	65.4	5.0	4.7	9.8	7.6	10.1	7.8	6.3	5.6	7.5	6.4	0.5	1.0
17			123.5		120.0		115.5		119.5		129.0			
18			53.5		52.7		48.0		47.3		43.5			
19			C		C		F		F		K			
20			0		0		0		0		0			
21	22	84.0	1.2		1.8		0.5		2.3		1.5			

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 23

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16900	CHN	92.0	118.5	36.4	1.16	0.76	11	A883	A884	1	
			118.5	36.4	1.16	0.76	11	A887	A882	2	

			1	2	3	4	5	6
13								
14			117.7	115.9	114.7	118.4	122.8	121.8
15			38.2	37.3	35.0	34.2	38.4	36.7
16	16	64.7	2.5 2.9	2.6 3.0	1.7 2.2	1.0 1.5	-1.0 -0.3	0.6 1.2
17			117.7	115.9	114.7	118.4	122.8	121.8
18			38.2	37.3	35.0	34.2	38.4	36.7
19			K	K	K	K	K	
20			0	0	0	0	0	0
21	16	84.0	2.2	2.6	3.0	1.6	2.4	3.6

1	2	3	4	5	6	7	8	9	10	11	12
CHN17000	CHN	92.0	119.5	33.0	1.34	0.64	155	A883	A884	1	
			119.5	33.0	1.34	0.64	155	A887	A882	2	

			1	2	3	4	5	6
13								
14			119.1	116.4	121.3	122.4	121.5	118.7
15			35.2	34.8	34.1	31.0	30.6	31.2
16	12	64.4	1.3 1.9	1.3 1.9	1.1 1.7	1.9 2.4	1.9 2.4	0.8 1.4
17			119.1	116.4	121.3	122.4	121.5	118.7
18			35.2	34.8	34.1	31.0	30.6	31.2
19			K	K	K	M	K	K
20			0	0	0	0	0	0
21	12	84.0	2.6	3.2	2.7	3.0	2.4	2.0

1	2	3	4	5	6	7	8	9	10	11	12
CHN17100	CHN	92.0	117.2	32.0	1.20	0.74	126	A883	A884	1	
			117.2	32.0	1.20	0.74	126	A887	A882	2	

			1	2	3	4	5	6
13								
14			116.1	114.9	116.1	119.2	119.6	118.1
15			29.8	33.1	34.6	32.6	31.1	29.3
16	10	64.2	2.9 3.5	4.0 4.4	4.9 5.2	4.2 4.6	3.9 4.4	4.1 4.5
17			116.1	114.9	116.1	119.2	119.6	118.1
18			29.8	33.1	34.6	32.6	31.1	29.3
19			K	K	K	K	K	N
20			0	0	0	0	0	0
21	10	84.0	3.8	3.7	4.2	3.8	3.6	4.1

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17200	CHN	92.0	120.4	29.1	0.96	0.84	123	A883	A884	1	
			120.4	29.1	0.96	0.84	123	A887	A882	2	

			1	2	3	4	5	6
13								
14			120.9	118.8	118.0	119.6	122.8	123.1
15			27.0	27.5	29.1	31.1	30.9	30.2
16	14	64.3	2.7 2.9	2.3 2.6	2.4 2.6	3.9 3.9	3.3 3.4	3.8 3.8
17			120.9	118.8	118.0	119.6	122.8	123.1
18			27.0	27.5	29.1	31.1	30.9	30.2
19			N	N	N	K	M	N
20			0	0	0	0	0	0
21	14	84.0	1.2	1.7	1.1	1.2	0.6	0.6

1	2	3	4	5	6	7	8	9	10	11	12
CHN17300	CHN	92.0	115.7	27.4	1.14	0.94	99	A883	A884	1	
			115.7	27.4	1.14	0.94	99	A887	A882	2	

			1	2	3	4	5	6
13								
14			114.1	118.5	118.1	116.8	113.9	113.5
15			24.6	28.4	29.5	30.0	29.0	27.5
16	08	64.0	3.6 3.8	3.8 3.9	3.9 4.0	4.3 4.3	3.8 3.9	4.4 4.4
17			114.1	118.5	118.1	116.8	113.9	113.5
18			24.6	28.4	29.5	30.0	29.0	27.5
19			N	N	K	K	K	K
20			0	0	0	0	0	0
21	08	84.0	1.6	1.4	1.7	2.4	1.7	2.1

1	2	3	4	5	6	7	8	9	10	11	12
CHN17400	CHN	92.0	118.1	25.9	1.02	0.84	82	A883	A884	2	
			118.1	25.9	1.02	0.84	82	A887	A882	1	

			1	2	3	4	5	6
13								
14			119.7	120.7	118.7	117.3	115.8	117.4
15			25.0	27.1	28.3	27.8	25.0	23.2
16	15	64.1	-0.2 0.3	-1.6 -0.9	-1.7 -1.0	-2.0 -1.3	-0.9 -0.3	0.0 0.5
17			119.7	120.7	118.7	117.3	115.8	117.4
18			25.0	27.1	28.3	27.8	25.0	23.2
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	15	84.0	0.8	0.2	1.0	0.6	0.6	0.3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17500	CHN	92.0	121.4	23.8	1.14	0.82	64	A883	A884	2	
			121.4	23.8	1.14	0.82	64	A887	A882	1	

			1		2		3		4		5		6	
13														
14			124.5		122.8		121.9		121.1		118.9		119.6	
15			25.8		24.5		21.6		25.6		23.5		21.7	
16	21	64.3	4.5	4.5	5.8	5.5	2.1	2.5	4.8	4.7	3.6	3.7	3.7	3.8
17			124.5		122.8		121.9		121.1		118.9		119.6	
18			25.8		24.5		21.6		25.6		23.5		21.7	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	21	84.0	1.8		4.2		1.2		2.4		1.7		3.1	

1	2	3	4	5	6	7	8	9	10	11	12
CHN17600	CHN	80.0	113.7	33.9	1.20	0.80	141	A883	A884	1	
			113.7	33.9	1.20	0.80	141	A887	A882	2	

			1		2		3		4		5		6	
13														
14			116.1		116.6		115.2		111.9		110.2		114.0	
15			36.1		34.0		31.3		32.5		34.5		36.3	
16	21	64.3	-0.1	0.0	0.3	0.3	-1.1	-0.9	-0.2	-0.1	-1.2	-0.9	0.3	0.3
17			116.1		116.6		115.2		111.9		110.2		114.0	
18			36.1		34.0		31.3		32.5		34.5		36.3	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	21	84.0	-2.9		-1.8		-2.6		-1.7		-2.8		-1.8	

1	2	3	4	5	6	7	8	9	10	11	12
CHN17700	CHN	80.0	111.8	30.8	1.42	0.82	160	A883	A884	2	
			111.8	30.8	1.42	0.82	160	A887	A882	1	

			1		2		3		4		5		6	
13														
14			109.2		109.5		116.0		116.0		113.6		113.6	
15			29.1		33.2		31.0		29.6		29.1		32.4	
16	24	64.7	-0.6	-0.3	-0.2	0.0	1.2	1.1	0.8	0.8	1.4	1.3	1.2	1.1
17			109.2		109.5		116.0		116.0		113.6		113.6	
18			29.1		33.2		31.0		29.6		29.1		32.4	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	24	84.0	-2.3		-2.2		-1.6		-1.9		-0.8		-1.6	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17800	CHN	80.0	111.5	27.4	1.22	0.86	130	A883	A884	2	
			111.5	27.4	1.22	0.86	130	A887	A882	1	

			1		2		3		4		5		6	
13														
14			109.2		113.6		113.7		111.5		108.9		114.3	
15			29.1		29.8		25.2		24.7		27.0		28.4	
16	12	64.4	4.8	5.7	2.8	3.7	8.7	9.4	7.8	8.6	6.0	6.8	5.5	6.4
17			109.2		113.6		113.7		111.5		108.9		114.3	
18			29.1		29.8		25.2		24.7		27.0		28.4	
19			K		K		N		N		K		K	
20			0		0		0		0		0		0	
21	12	84.0	12.3		11.4		11.8		12.3		12.3		11.8	

1	2	3	4	5	6	7	8	9	10	11	12
CHN17900	CHN	92.0	112.2	21.9	1.84	1.22	37	A883	A884	2	
			112.2	21.9	1.84	1.22	37	A887	A882	1	

			1		2		3		4		5		6	
13														
14			117.6		112.0		108.0		108.4		110.0		116.0	
15			23.2		24.7		19.9		18.0		18.0		24.9	
16	19	63.8	1.7	2.7	1.0	2.0	4.5	5.5	4.6	5.6	5.0	6.0	1.9	2.9
17			117.6		112.0		108.0		108.4		110.0		116.0	
18			23.2		24.7		19.9		18.0		18.0		24.9	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	19	84.0	15.7		16.6		17.0		16.0		16.1		17.1	

1	2	3	4	5	6	7	8	9	10	11	12
CHN18000	CHN	92.0	113.7	12.9	3.76	2.18	72	A883	A884	2	
			113.1	23.1	4.70	3.50	96	A887	A882	1	

			1		2		3		4		5		6	
13														
14			112.0		119.0		119.0		109.0		108.3		115.3	
15			3.0		12.0		19.2		17.2		6.5		21.5	
16	13	63.6	6.6	5.4	5.4	4.6	5.0	4.4	3.6	3.4	4.8	4.2	4.9	4.3
17			102.7		105.6		117.7		116.4		111.4			
18			22.9		31.8		38.5		40.0		10.2			
19			N		K		K		K		N			
20			0		0		0		0		0			
21	13	84.0	0.1		0.0		-0.1		-0.6		0.3			

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18100	CHN	80.0	108.5	23.8	1.41	1.08	153	A883	A884	2	
			108.5	23.8	1.41	1.08	153	A887	A882	1	

			1	2	3	4	5	6
13			105.6	108.0	104.5	109.7	111.3	112.1
14			23.1	21.5	24.5	21.3	26.3	24.3
15			4.1 4.8	4.6 5.2	2.7 3.5	5.2 5.8	5.2 5.8	6.4 6.9
16	14	64.1						
17			105.6	108.0	104.5	109.7	111.3	112.1
18			23.1	21.5	24.5	21.3	26.3	24.3
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	14	84.0	7.7	7.5	6.5	7.1	6.1	7.2

1	2	3	4	5	6	7	8	9	10	11	12
CHN18200	CHN	80.0	108.7	35.1	1.42	0.88	109	A883	A884	1	
			108.7	35.1	1.42	0.88	109	A887	A882	2	

			1	2	3	4	5	6
13			111.5	111.0	109.6	105.7	107.3	106.4
14			39.5	33.3	31.8	32.9	37.5	35.0
15			-0.1 -0.1	-0.2 -0.2	-0.3 -0.2	-1.3 -1.1	0.6 0.5	0.3 0.2
16	17	64.2						
17			111.5	111.0	109.6	105.7	107.3	106.4
18			39.5	33.3	31.8	32.9	37.5	35.0
19			K	K	K	K	K	K
20			0	0	0	0	0	0
21	17	84.0	-3.1	-2.7	-2.2	-3.1	-1.8	-1.9

1	2	3	4	5	6	7	8	9	10	11	12
CHN18300	CHN	62.0	104.8	39.0	1.48	0.60	142	A883	A884	1	
			104.8	39.0	1.48	0.60	142	A887	A882	2	

			1	2	3	4	5	6
13			105.2	103.0	104.5	107.5	106.0	103.2
14			41.7	42.0	41.8	37.8	35.4	38.0
15			8.2 9.0	9.4 10.2	8.7 9.5	4.7 5.6	1.3 2.3	7.1 8.0
16	22	63.8						
17			105.2	103.0	104.5	107.5	106.0	103.2
18			41.7	42.0	41.8	37.8	35.4	38.0
19			C	C	C	K	K	K
20			0	0	0	0	0	0
21	22	84.0	14.0	13.9	14.2	15.0	12.7	13.9

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18400	CHN	62.0	101.0	37.9	2.78	0.82	144	A883	A884	1	
			101.0	37.9	2.78	0.82	144	A887	A882	2	

			1	2	3	4	5	6
13			103.0	96.3	93.7	100.7	105.8	107.3
14			42.0	42.7	40.7	34.0	32.9	37.1
15			3.2 4.1	3.2 4.1	2.0 3.0	3.7 4.6	0.3 1.3	2.2 3.2
16	20	63.7						
17			103.0	96.3	93.7	100.7	105.8	107.3
18			42.0	42.7	40.7	34.0	32.9	37.1
19			C	C	K	K	K	K
20			0	0	0	0	0	0
21	20	84.0	12.6	14.2	13.0	13.5	13.8	13.6

1	2	3	4	5	6	7	8	9	10	11	12
CHN18500	CHN	62.0	95.7	35.4	2.10	1.14	156	A883	A884	1	
			95.7	35.4	2.10	1.14	156	A887	A882	2	

			1	2	3	4	5	6
13			90.2	101.0	90.4	96.6	101.3	100.0
14			38.4	37.7	33.0	31.5	33.1	39.0
15			8.2 9.0	7.5 8.3	5.6 6.5	6.1 7.0	3.8 4.7	8.7 9.4
16	18	63.4						
17			90.2	101.0	90.4	96.6	101.3	100.0
18			38.4	37.7	33.0	31.5	33.1	39.0
19			K	K	K	K	K	K
20			0	0	0	0	0	0
21	18	84.0	12.7	12.7	12.1	12.8	13.2	11.9

1	2	3	4	5	6	7	8	9	10	11	12
CHN18600	CHN	62.0	102.5	30.2	1.91	1.23	147	A883	A884	2	
			102.5	30.2	1.91	1.23	147	A887	A882	1	

			1	2	3	4	5	6
13			102.0	99.3	97.4	102.7	110.0	109.0
14			26.0	28.0	33.2	34.0	31.8	28.1
15			10.6 11.5	11.6 12.5	11.4 12.3	11.8 12.7	6.5 7.5	10.8 11.7
16	16	65.5						
17			102.0	99.3	97.4	102.7	110.0	109.0
18			26.0	28.0	33.2	34.0	31.8	28.1
19			K	K	K	K	K	K
20			0	0	0	0	0	0
21	16	84.0	19.1	20.3	19.1	19.8	18.7	19.0

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18700	CHN	80.0	106.6 106.6	26.7 26.7	1.14 1.14	0.94 0.94	179 179	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			104.7		103.6		107.5		109.0		106.0		109.5	
15			24.6		27.0		29.2		25.5		28.6		27.0	
16	10	64.0	0.5	1.2	1.0	1.7	4.9	5.1	5.5	5.6	4.1	4.5	6.9	6.8
17			104.7	103.6	107.5	109.0	106.0	109.5						
18			24.6	27.0	29.2	25.5	28.6	27.0						
19			N	K	K	K	K	K						
20			0	0	0	0	0	0						
21	10	84.0	3.6	3.8	3.1	3.6	4.0	4.4						

1	2	3	4	5	6	7	8	9	10	11	12
CHN18800	CHN	62.0	101.5 101.5	25.1 25.1	1.86 1.86	1.08 1.08	132 132	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			101.8		99.1		97.5		98.1		106.0		105.6	
15			21.1		22.1		24.0		28.1		23.4		27.7	
16	24	65.0	8.6	9.3	4.7	5.6	2.1	3.0	5.4	6.2	10.7	11.2	3.4	4.3
17			101.5	99.1	97.5	98.1	106.0	105.6						
18			21.5	22.1	24.0	28.1	23.4	27.7						
19			N	N	N	K	N	K						
20			0	0	0	0	0	0						
21	24	84.0	12.3	11.6	11.6	12.2	12.1	10.9						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CLN21900	CLN	50.0	80.6 80.6	7.7 7.7	1.18 1.18	0.60 0.60	106 106	A883 A887	A884 A882	1 1	

			1		2		3		4	
13										
14			80.0		79.8		81.0		82.0	
15			10.0		7.5		6.0		7.4	
16	02	63.7	2.8	3.4	6.0	6.2	8.6	8.3	6.4	6.6
16	06	63.6	2.8	3.4	6.0	6.2	8.5	8.2	6.4	6.6
16	10	63.7	2.8	3.4	6.0	6.2	8.6	8.3	6.5	6.7
16	14	63.8	2.8	3.4	6.0	6.2	8.6	8.3	6.5	6.7
17			80.0	79.8	81.0	82.0				
18			10.0	7.5	6.0	7.4				
19			N	N	N	N				
20			0	0	0	0				
21	02	84.0	5.2	5.6	6.3	4.2				
21	06	84.0	5.3	5.6	6.3	4.2				
21	10	84.0	5.2	5.6	6.3	4.2				
21	14	84.0	5.3	5.6	6.3	4.2				

1	2	3	4	5	6	7	8	9	10	11	12
CME30000	CME	-13.0	12.7 12.7	6.2 6.2	2.54 2.54	1.68 1.68	87 87	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			14.2		15.6		15.6		16.2		8.8		8.5	
15			13.2		10.0		7.7		1.4		2.2		4.8	
16	01	63.5	3.6	4.0	5.7	5.7	7.3	6.9	5.1	5.2	8.3	7.6	10.3	8.9
16	05	63.5	3.4	2.6	5.1	3.6	5.9	4.1	1.1	1.0	4.7	3.4	8.3	5.2
16	09	63.5	3.4	2.7	5.1	3.7	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
16	13	63.6	3.4	2.7	5.2	3.8	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
16	17	63.6	3.4	2.7	5.2	3.8	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
17			14.2	15.6	15.7	16.2	8.8	8.5						
18			13.2	10.0	7.7	1.4	2.2	4.8						
19			K	N	N	P	N	P						
20			300	200	800	250	80	80						
21	01	84.0	2.8	4.3	4.8	2.6	3.2	3.6						
21	05	84.0	-2.4	-0.9	-0.5	-2.7	-2.0	-1.7						
21	09	84.0	-2.2	-0.7	-0.2	-2.5	-1.8	-1.5						
21	13	84.0	-2.2	-0.7	-0.2	-2.5	-1.8	-1.5						
21	17	84.0	-2.2	-0.7	-0.2	-2.5	-1.8	-1.5						

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 31

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
COG23500	COG	-13.0	14.6	-0.7	2.02	1.18	59	A883	A884	2	
			14.6	-0.7	2.02	1.18	59	A887	A882	2	

			1		2		3		4		5		6	
			18.5		12.6		13.5		10.6		15.3		18.9	
			4.3		2.4		-1.6		-3.4		-4.3		2.0	
22	63.8	0.5	1.3	-1.6	-0.7	6.6	6.7	4.9	5.3	4.8	5.2	3.7	4.2
26	63.8	0.4	1.2	-1.6	-0.7	6.5	6.7	4.8	5.2	4.7	5.1	3.6	4.1
30	63.9	0.4	1.2	-1.6	-0.7	6.5	6.7	4.8	5.2	4.7	5.1	3.6	4.1
34	63.9	0.4	1.2	-1.6	-0.7	6.5	6.7	4.8	5.2	4.7	5.1	3.6	4.1
38	64.0	0.4	1.2	-1.6	-0.7	6.5	6.7	4.8	5.2	4.7	5.1	3.6	4.1

		13.5	10.6	15.3
		-1.6	-3.4	-4.3
		N	N	N
		0	0	0
22	84.0	7.3	4.3	4.2
26	84.0	7.3	4.3	4.2
30	84.0	7.3	4.3	4.2
34	84.0	7.3	4.3	4.2
38	84.0	7.3	4.3	4.2

1	2	3	4	5	6	7	8	9	10	11	12
COM20700	COM	29.0	44.1	-12.1	0.76	0.60	149	A883	A884	2	
			44.1	-12.1	0.76	0.60	149	A887	A882	2	

			1		2		3		4		5		6	
			43.1		43.1		43.5		44.2		44.4		44.1	
			-11.4		-11.3		-12.0		-12.0		-12.2		-12.4	
03	63.1	5.6	6.3	5.4	6.1	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
07	63.1	5.5	6.2	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.2	8.7
11	63.2	5.6	6.3	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
15	63.3	5.6	6.3	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8

		43.1	43.1	43.5	44.2	44.4	44.1
		-11.4	-11.3	-12.0	-12.0	-12.2	-12.4
		N	N	N	N	N	N
		0	0	0	0	0	0
03	84.0	8.4	8.2	10.0	10.3	10.7	10.3
07	84.0	8.4	8.2	10.0	10.3	10.7	10.3
11	84.0	8.4	8.2	10.0	10.3	10.7	10.3
15	84.0	8.4	8.2	10.0	10.3	10.7	10.3

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 32

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CTI23700	CTI	-31.0	-5.6	7.5	1.60	1.22	108	A883	A884	2	
			-5.8	7.4	1.55	1.43	162	A887	A882	1	

			1		2		3		4		5		6	
			-7.7		-8.7		-8.0		-6.3		-3.5		-2.5	
			4.4		6.4		10.1		10.7		9.8		8.1	
22	63.7	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1
26	63.7	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1
30	63.8	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1
34	63.9	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1
38	63.9	5.2	4.3	3.3	3.0	-0.1	0.2	0.0	0.3	-0.5	-0.1	-0.3	0.1

		-4.0	-3.5	-2.6	-5.0	-6.5	-5.3	-6.6	-7.6	-7.6	-5.6
		5.3	6.7	8.0	7.7	7.7	6.9	4.7	7.4	9.5	9.5
		P	P	N	N	N	N	P	P	N	N
		0	0	0	0	0	0	0	0	0	0
22	84.0	-0.9	-0.2	-1.0	0.9	1.0	1.0	-1.2	0.3	-0.9	-0.4
26	84.0	-0.9	-0.2	-1.0	0.9	1.0	1.0	-1.2	0.3	-0.9	-0.4
30	84.0	-0.9	-0.2	-1.0	0.9	1.0	0.9	-1.2	0.3	-0.9	-0.4
34	84.0	-0.9	-0.2	-1.0	0.9	1.0	0.9	-1.2	0.3	-0.9	-0.4
38	84.0	-0.9	-0.2	-1.0	0.9	1.0	0.9	-1.2	0.3	-0.9	-0.4

1	2	3	4	5	6	7	8	9	10	11	12
CVA08300	CVA	-37.0	12.4	41.8	0.60	0.60	0	A883	A884	1	
			12.4	41.8	0.60	0.60	0	A887	A882	1	

			1		2		3		4		5		6	
			12.0		14.1		11.0		12.5		15.0		14.9	
			40.0		40.7		42.5		43.8		44.0		42.0	
27	65.2	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.7	-1.7	-0.9	0.1
31	65.3	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.7	-1.7	-0.9	0.1
35	65.3	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.7	-1.7	-0.9	0.1
39	65.4	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.8	-1.8	-0.9	0.1

		12.0	14.1	11.0	12.5	15.0	14.9
		40.0	40.7	42.5	43.8	44.0	42.0
		K	K	L	L	K	K
		0	0	0	0	0	0
27	84.0	15.2	14.5	16.5	13.8	15.6	17.6
31	84.0	14.9	14.3	16.3	13.6	15.4	17.3
35	84.0	14.4	13.8	15.8	13.1	14.9	16.8
39	84.0	14.4	13.8	15.8	13.1	14.9	16.8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CVA08500	CVA	-37.0	10.8	41.5	2.00	0.80	138	A883	A884	1	
			10.8	41.5	2.00	0.60	138	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.0		15.0		18.0		17.0		15.0		8.3	
15			47.0		42.0		40.0		38.0		37.8		38.3	
16	23	63.6	-2.5	-1.5	-2.5	-1.5	-3.6	-2.6	-0.4	0.6	1.5	2.4	-1.1	-0.1
17			12.0	15.0	18.0	17.0	15.0	8.3						
18			47.0	42.0	40.0	38.0	37.8	38.3						
19			K	K	L	K	K	K						
20			0	0	0	0	0	0						
21	23	84.0	11.6	11.8	10.3	10.9	12.3	11.1						

1	2	3	4	5	6	7	8	9	10	11	12
CYP08600	CYP	5.0	33.3	35.1	0.60	0.60	0	A883	A884	1	
			33.3	35.1	0.60	0.60	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			32.3		34.0		33.0		34.5		33.8		33.1	
15			34.8		35.0		35.3		35.7		35.3		34.6	
16	21	63.6	2.7	3.7	2.4	3.4	2.8	3.8	1.6	2.6	3.1	4.1	2.7	3.7
16	25	63.6	0.8	1.8	0.1	1.1	1.0	2.0	-0.3	0.7	1.1	2.1	0.4	1.4
16	29	63.7	0.9	1.9	0.1	1.1	1.0	2.0	-0.4	0.6	1.1	2.1	0.4	1.4
16	33	63.7	0.9	1.9	0.1	1.1	1.0	2.0	-0.3	0.7	1.1	2.1	0.4	1.4
16	37	63.8	0.9	1.9	0.1	1.1	1.1	2.1	-0.3	0.7	1.2	2.2	0.5	1.5
17			32.3	34.0	33.0	34.5	33.8	33.1						
18			34.8	35.0	35.3	35.7	35.3	34.6						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	21	84.0	18.8	19.1	20.1	18.1	20.1	20.1						
21	25	84.0	18.0	18.3	19.2	17.2	19.2	19.2						
21	29	84.0	17.9	18.3	19.2	17.2	19.2	19.2						
21	33	84.0	17.9	18.2	19.1	17.2	19.1	19.1						
21	37	84.0	18.0	18.3	19.2	17.2	19.2	19.2						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
D 08700	D	-19.0	9.6	49.9	1.62	0.72	147	A883	A884	2	9.
			9.6	49.9	1.62	0.72	147	A887	A882	1	

			1		2		3		4		5		6	
13														
14			13.2		7.0		5.9		7.8		13.8		10.0	
15			52.5		53.7		50.7		47.6		49.0		54.8	
16	02	65.5	1.6	0.8	2.5	1.3	2.7	1.5	2.7	1.5	2.5	1.3	1.1	0.4
16	06	65.6	1.6	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.1	0.4
16	10	65.6	1.7	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.1	0.4
16	14	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4	0.0	-0.3
16	18	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4	0.0	-0.3
17			13.2	7.0	5.9	7.8	13.8	10.0						
18			52.5	53.7	50.7	47.6	49.0	54.8						
19			E	E	E	H	H	E						
20			0	0	0	0	0	0						
21	02	84.0	-4.6	-3.1	-2.6	-3.3	-3.0	-3.9						
21	06	84.0	-4.6	-3.1	-2.6	-3.3	-3.0	-3.9						
21	10	84.0	-4.6	-3.1	-2.6	-3.3	-3.0	-3.9						
21	14	84.0	-4.6	-3.1	-2.6	-3.3	-3.0	-3.9						
21	18	84.0	-4.6	-3.1	-2.6	-3.3	-3.0	-3.9						

1	2	3	4	5	6	7	8	9	10	11	12
DDR21600	DDR	-1.0	12.6	52.1	0.83	0.63	172	A883	A884	2	
			17.2	51.8	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.5		14.5		15.0		13.0		9.9		11.0	
15			54.5		53.4		51.0		50.5		51.4		54.0	
16	21	64.2	-2.7	-2.0	-1.1	-0.5	-2.1	-1.4	-1.1	-0.5	-2.2	-1.5	-3.2	-2.5
16	25	64.3	-3.1	-2.2	-1.5	-0.7	-2.4	-1.6	-1.4	-0.6	-2.5	-1.7	-3.5	-2.6
16	29	64.3	-2.9	-2.1	-1.6	-0.8	-2.8	-2.0	-1.6	-0.8	-2.3	-1.5	-3.3	-2.4
16	33	64.4	-3.0	-2.1	-1.8	-1.0	-2.9	-2.1	-1.7	-0.9	-2.2	-1.4	-3.3	-2.4
16	37	64.4	-2.8	-2.0	-1.3	-0.5	-2.6	-1.8	-1.4	-0.6	-2.3	-1.5	-3.3	-2.4
17			13.4	10.8	9.9	14.3	14.4							
18			54.6	54.0	50.6	49.4	53.3							
19			E	E	E	H	E							
20			0	0	0	0	0							
21	21	84.0	0.9	0.0	0.2	1.9	1.6							
21	25	84.0	3.6	2.7	2.9	4.6	4.3							
21	29	84.0	3.6	2.6	2.9	4.6	4.3							
21	33	84.0	3.6	2.6	2.9	4.6	4.3							
21	37	84.0	3.6	2.6	2.9	4.6	4.3							

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DJI09900	DJI	23.0	42.5 42.5	11.6 11.6	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			43.5		41.9		43.0		43.5		42.7		41.9	
15			12.5		10.8		10.8		11.6		12.6		11.8	
16	21	62.5	0.6	1.2	-0.1	0.5	0.3	0.9	1.2	1.7	1.1	1.6	1.4	1.9
16	25	62.6	0.8	1.4	-0.1	0.6	0.3	0.9	1.3	1.8	1.2	1.8	1.5	2.0
16	29	62.6	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9	0.7	1.3
16	33	62.7	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9	0.7	1.3
16	37	62.7	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9	0.7	1.3

17			43.5		41.9		43.0		43.5		42.7		41.9	
18			12.5		10.8		10.8		11.6		12.6		11.8	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	21	84.0	1.4		2.8		2.7		2.9		2.6		4.1	
21	25	84.0	1.9		3.2		3.1		3.4		3.1		4.6	
21	29	84.0	1.9		3.2		3.1		3.4		3.0		4.6	
21	33	84.0	1.9		3.2		3.1		3.4		3.0		4.6	
21	37	84.0	1.9		3.2		3.1		3.4		3.0		4.6	

1	2	3	4	5	6	7	8	9	10	11	12
DNK08900	DNK	5.0	12.3 17.0	57.1 61.5	1.20 2.00	0.60 1.00	177 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			12.0		15.1		8.0		12.6		10.0		10.5	
15			54.6		55.3		57.0		56.0		54.5		57.7	
16	12	64.3	0.7	1.5	0.7	1.5	2.0	2.8	3.1	3.8	0.7	1.5	3.8	4.5
16	16	64.4	0.7	1.5	0.7	1.5	2.0	2.8	3.1	3.8	0.7	1.5	3.8	4.5
16	20	64.4	0.1	1.0	1.1	2.0	2.1	2.9	3.0	3.8	0.0	0.9	4.1	4.8

17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			30	30	200	30	50	70	330	30	200	150		
21	12	84.0	7.2	8.3	9.0	6.3	6.2	8.9	7.4	7.7	6.6	7.6		
21	16	84.0	7.2	8.3	9.0	6.2	6.2	8.9	7.4	7.7	6.6	7.6		
21	20	84.0	7.9	9.1	9.7	7.0	6.9	9.6	8.1	8.4	7.3	8.3		

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DNK09000	DNK	5.0	17.0 17.0	61.5 61.5	2.00 2.00	1.00 1.00	10 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			12.0		4.4		4.7		31.5		25.7		22.6	
15			54.6		61.6		59.2		62.9		71.2		59.6	
16	24	67.5	2.8	1.9	7.6	4.3	7.7	4.3	5.8	3.5	8.1	4.5	7.5	4.3
16	36	68.2	3.3	2.2	8.1	4.5	8.3	4.5	6.4	3.8	8.6	4.6	8.2	4.5

17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			30	30	200	30	50	70	330	30	200	150		
21	24	84.0	-2.7	-1.6	-0.9	-3.7	-3.7	-1.0	-2.5	-2.2	-3.3	-2.3		
21	36	84.0	-2.7	-1.6	-0.9	-3.7	-3.7	-1.1	-2.5	-2.2	-3.3	-2.3		

1	2	3	4	5	6	7	8	9	10	11	12
DNK09100	DNK	5.0	-19.5 -19.5	61.0 61.0	2.20 2.20	0.80 0.80	4 4	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			-6.7		-24.3		-22.7		-14.5		-16.0		-6.2	
15			62.0		65.5		63.8		66.3		66.5		62.3	
16	27	66.2	6.6	6.6	10.8	9.6	11.6	10.1	7.8	7.6	8.2	7.9	6.0	6.1
16	35	66.3	7.0	6.9	12.1	10.3	13.0	10.7	8.7	8.2	9.2	8.5	6.4	6.4

17			-21.8		-23.5		-15.3		-15.2		-6.8			
18			64.2		66.1		66.3		64.3		62.0			
19			E		G		E		G		G			
20			30		30		30		30		50			
21	27	84.0	5.1		3.8		3.6		5.1		3.9			
21	35	84.0	5.0		3.7		3.5		5.0		3.8			

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
E 12900	E	-31.0	-3.1	39.9	2.10	1.14	154	A883	A884	2	7.
			-3.1	39.9	2.10	1.14	154	A887	A882	1	

			1		2		3		4		5		6	
13			3.3		4.3		-2.9		-7.4		-0.6		-7.6	
14			42.3		39.8		35.3		37.1		37.6		43.7	
15														
16	23	63.9	-5.1	-4.2	-5.3	-4.4	-7.3	-6.4	-3.0	-2.2	-1.5	-0.8	-2.7	-1.9
16	27	64.0	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0
16	31	64.0	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0
16	35	64.1	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0
16	39	64.2	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.4	-0.8	-2.7	-2.0

			1	2	3	4	5	6
17			3.3	4.3	-2.9	-7.4	-0.6	-7.6
18			42.3	39.8	35.3	37.1	37.6	43.7
19			K	K	K	K	K	E
20			0	0	0	0	0	0
21	01	84.0	0.7	1.0	1.0	1.8	3.2	1.6
21	05	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3
21	09	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3
21	13	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3
21	17	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3

1	2	3	4	5	6	7	8	9	10	11	12
CNR13000	E	-31.0	-15.7	28.4	1.54	0.60	5	A883	A884	2	7.
			-15.7	28.4	1.54	0.60	5	A887	A882	1	

			1		2		3		4		5		6	
13			-18.0		-13.9		-13.5		-15.4		-16.2		-18.1	
14			28.7		28.0		29.2		28.1		28.4		27.7	
15														
16	23	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9
16	27	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9
16	31	62.9	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9
16	35	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9
16	39	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.2	-3.4	-3.2	-2.4	-3.7	-2.9

			1	2	3	4	5	6
17			-18.0	-13.9	-13.5	-15.4	-16.2	-18.1
18			28.7	28.0	29.2	28.1	28.4	27.7
19			E	E	E	E	E	E
20			0	0	0	0	0	0
21	23	84.0	1.1	1.2	1.2	1.9	2.7	1.3
21	27	84.0	1.1	1.2	1.2	1.9	2.7	1.3
21	31	84.0	1.1	1.2	1.2	1.9	2.7	1.3
21	35	84.0	1.1	1.2	1.2	1.9	2.7	1.3
21	39	84.0	1.1	1.2	1.2	1.9	2.7	1.2

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
EGY02600	EGY	-7.0	29.7	26.8	2.33	1.72	136	A883	A884	2	
			29.7	26.8	2.33	1.72	136	A887	A882	1	

			1		2		3		4		5		6	
13			24.8		24.8		33.7		36.0		35.0		34.5	
14			31.8		21.8		21.6		23.3		29.4		31.7	
15														
16	04	63.1	3.7	4.0	4.9	5.0	1.4	2.0	-0.2	0.5	1.4	2.0	1.2	1.8
16	08	63.2	3.7	4.3	4.9	5.4	1.5	2.3	-0.2	0.6	1.4	2.2	1.2	2.0
16	12	63.2	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	16	63.3	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	20	63.3	3.5	4.3	5.3	5.9	1.5	2.3	-0.2	0.7	1.3	2.2	0.9	1.8

			1	2	3	4	5	6	7	8	9	10
17			24.8	24.8	33.7	36.0	35.0	34.5	31.3	31.1	33.0	28.5
18			31.8	21.8	21.6	23.3	29.4	31.7	30.0	27.2	24.1	28.0
19			E	A	A	A	C	E	C	C	C	C
20			0	0	0	0	0	0	0	0	0	0
21	04	86.0	2.5	2.4	2.6	2.7	4.0	3.2	4.8	5.8	4.6	5.7
21	08	86.0	4.9	4.8	5.1	5.2	6.4	5.6	7.3	8.2	7.0	8.2
21	12	86.0	4.9	4.8	5.1	5.2	6.4	5.6	7.3	8.2	7.0	8.2
21	16	86.0	4.9	4.8	5.1	5.2	6.4	5.6	7.3	8.2	7.0	8.2
21	20	86.0	7.0	6.9	7.1	7.2	8.5	7.7	9.3	10.3	9.1	10.2

1	2	3	4	5	6	7	8	9	10	11	12
F 09300	F	-19.0	2.6	45.9	2.50	0.98	160	A883	A884	1	
			2.6	45.9	2.50	0.98	160	A887	A882	2	

			1		2		3		4		5		6	
13			2.5		8.1		9.5		3.0		-1.9		-4.5	
14			51.2		49.1		41.2		42.5		43.3		48.5	
15														
16	01	63.8	4.4	4.2	1.8	2.1	-1.1	-0.5	6.0	5.3	7.9	6.5	9.3	7.2
16	05	63.8	2.7	2.3	0.1	0.3	-1.8	-1.4	4.0	3.2	5.1	3.9	6.0	4.4
16	09	63.9	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9	6.1	4.4
16	13	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9	6.1	4.4
16	17	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.1	3.2	5.1	3.9	6.1	4.4

			1	2	3	4	5	6
17			2.5	8.1	9.5	3.0	-1.9	-4.5
18			51.2	49.1	41.2	42.5	43.3	48.5
19			E	H	K	K	H	H
20			0	0	0	0	0	0
21	01	84.0	0.4	0.2	0.5	2.0	0.7	2.0
21	05	84.0	-1.9	-2.2	-1.8	-0.3	-1.6	-0.3
21	09	84.0	-1.9	-2.2	-1.8	-0.3	-1.6	-0.3
21	13	84.0	-1.9	-2.2	-1.8	-0.3	-1.6	-0.3
21	17	84.0	-1.9	-2.2	-1.8	-0.3	-1.6	-0.3

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AND34100	E F	-37.0	1.6	42.5	0.60	0.80	0	A883	A884	2	
			1.5	42.5	0.61	0.60	153	A887	A882	1	

			1		2		3		4		5		6	
			1.5		1.4		1.5		1.7		1.4		1.7	
			42.4		42.5		42.6		42.5		42.4		42.5	
04	61.5	-0.4	0.2	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
08	61.5	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
12	61.6	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
16	61.6	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
20	61.7	-0.6	0.0	-0.7	-0.1	-0.7	-0.1	-0.7	-0.1	-0.9	-0.3	-0.7	-0.1

			1.5	1.4	1.5	1.7	1.4	1.7
			42.4	42.5	42.6	42.5	42.4	42.5
			K	H	H	K	K	K
			0	0	0	0	0	0
04	84.0		1.2	1.2	1.2	1.2	1.2	1.2
08	84.0		1.2	1.2	1.2	1.2	1.2	1.2
12	84.0		1.2	1.2	1.2	1.2	1.2	1.2
16	84.0		1.2	1.2	1.2	1.2	1.2	1.2
20	84.0		0.8	0.8	0.8	0.8	0.8	0.8

1	2	3	4	5	6	7	8	9	10	11	12
MYT09800	F	29.0	45.1	-12.8	0.60	0.60	0	A883	A884	1	8/GR5
			45.1	-12.8	0.60	0.60	0	A887	A882	2	

			1
			45.0
			-12.8
24	63.4	18.3	19.3
28	63.5	19.0	20.0
32	63.5	19.0	20.0
36	63.6	19.0	20.0

			45.0
			-12.8
			N
			0
24	84.0		43.9
28	84.0		45.0
32	84.0		44.9
36	84.0		45.0

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MYT09801	F	29.0	45.1	-12.8	0.60	0.60	0	A883	A884	1	
			3.7	45.6	1.98	1.71	22	A887	A882	2	

			1
			45.0
			-12.8
40	63.6	19.5	20.1

			2.5	8.1	9.5	3.0	-1.9	-4.5
			51.2	49.1	41.2	48.5	43.3	48.5
			E	H	K	K	H	H
			0	0	0	0	0	0
40	84.0		20.8	20.4	20.6	22.1	20.2	20.5

1	2	3	4	5	6	7	8	9	10	11	12
NCL10000	F	140.0	166.0	-21.0	1.14	0.72	146	A883	A884	1	8/GR5
			166.0	-21.0	1.14	0.72	146	A887	A882	2	

			1		2		3	
			164.0		167.2		167.5	
			-19.7		-20.8		-23.0	
02	63.8	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4	
06	63.8	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4	
10	63.8	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4	

			164.0	167.2	167.5
			-19.7	-20.8	-23.0
			N	N	N
			0	0	0
02	84.0		-12.9	-12.8	-14.3
06	84.0		-12.9	-12.8	-14.3
10	84.0		-12.9	-12.8	-14.3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NCL10001	F	140.0	166.0	-21.0	1.14	0.72	146	A883	A884	1	
			-177.1	-13.6	1.22	0.60	46	A887	A882	2	

			1		2		3	
13								
14			164.0		167.2		167.5	
15			-19.7		-20.8		-23.0	
16	14	63.9	-1.9	-7.0	-2.8	-7.3	-3.3	-7.4
17			-178.0	-176.1	-176.6	-178.1		
18			-14.0	-13.1	-13.3	-14.2		
19			N	N	N	N		
20			0	0	0	0		
21	14	84.0	-15.7	-15.8	-15.3	-15.8		

1	2	3	4	5	6	7	8	9	10	11	12
OCE10100	F	-160.0	-145.0	-16.3	4.34	3.54	4	A883	A884	2	
			-145.0	-16.3	4.34	3.54	4	A887	A882	1	

			1		2		3		4	
13										
14			-153.0		-154.7		-139.3		-134.5	
15			-23.0		-15.7		-9.0		-23.3	
16	04	63.6	24.4	25.1	17.5	18.4	21.8	22.6	28.0	28.2
16	08	63.6	24.4	25.1	17.6	18.5	21.8	22.6	28.1	28.3
16	12	63.6	24.0	24.7	17.5	18.4	21.8	22.6	28.1	28.3
16	16	63.7	25.5	26.0	17.8	18.7	21.9	22.7	28.2	28.4
17			-153.0	-154.7	-139.3	-134.5				
18			-23.0	-15.7	-9.0	-23.3				
19			D	D	N	D				
20			0	0	0	0				
21	04	84.0	26.6	27.4	26.8	26.2				
21	08	84.0	26.6	27.4	26.8	26.2				
21	12	84.0	26.6	27.4	26.8	26.2				
21	16	84.0	26.5	27.3	26.7	26.1				

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
REU09700	F	29.0	55.6	-19.2	1.56	0.78	96	A883	A884	1	8/GR5
			55.6	-19.2	1.56	0.78	96	A887	A882	2	

			1		2		3		4	
13										
14			54.7		55.4		55.8		58.0	
15			-15.7		-21.1		-21.4		-20.0	
16	22	63.9	15.3	16.3	18.1	19.1	18.3	19.3	16.2	17.2
16	26	64.0	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
16	30	64.1	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
16	34	64.1	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
17			54.7	55.4	55.8	58.0				
18			-15.7	-21.1	-21.4	-20.0				
19			N	P	N	N				
20			0	0	0	0				
21	22	84.0	37.6	38.6	38.7	35.8				
21	26	84.0	40.3	41.3	41.5	38.6				
21	30	84.0	40.3	41.3	41.4	38.6				
21	34	84.0	40.4	41.4	41.5	38.6				

1	2	3	4	5	6	7	8	9	10	11	12
REU09701	F	29.0	55.6	-19.2	1.56	0.78	96	A883	A884	1	
			3.7	45.2	1.94	1.68	24	A887	A882	2	

			1		2		3		4	
13										
14			54.7		55.4		55.8		58.0	
15			-15.7		-21.1		-21.4		-20.0	
16	38	64.2	16.1	16.8	18.9	19.3	19.2	19.6	17.3	17.9
17			2.6	8.1	9.5	3.0	-1.9	-1.5		
18			51.2	43.1	41.2	42.5	43.3	48.5		
19			E	H	K	K	H	H		
20			0	0	0	0	0	0		
21	38	84.0	18.7	19.9	18.8	20.2	18.5	19.6		

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 43

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
WAL10200	F	140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	8/GR5
			-176.8	-14.0	0.74	0.60	29	A887	A882	2	

			1		2		3		4	
13										
14			-178.0		-176.1		-176.6		-178.1	
15			-14.0		-13.1		-13.3		-14.2	
16	02	64.5	-1.5	-5.4	-1.2	-5.3	-0.8	-5.2	-1.9	-5.5
16	06	64.4	-1.6	-5.4	-1.2	-5.3	-0.8	-5.2	-1.9	-5.5
16	10	64.5	-1.6	-5.4	-1.2	-5.3	-0.8	-5.2	-1.9	-5.5

17			-178.0	-176.1	-176.6	-178.1
18			-14.0	-13.1	-13.3	-14.2
19			N	N	N	N
20			0	0	0	0
21	02	84.0	-12.8	-13.7	-13.0	-13.0
21	06	84.0	-12.8	-13.7	-13.0	-13.0
21	10	84.0	-12.8	-13.7	-13.0	-13.0

1	2	3	4	5	6	7	8	9	10	11	12
WAL10201	F	140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	
			166.1	-21.3	1.31	0.82	133	A887	A882	2	

			1		2		3		4	
13										
14			-178.0		-176.1		-176.6		-178.1	
15			-14.0		-13.1		-13.3		-14.2	
16	14	64.6	-1.5	-5.4	-1.2	-5.3	-0.8	-5.2	-1.9	-5.5

17			164.0	167.2	167.5
18			-19.7	-20.8	-23.0
19			N	N	N
20			0	0	0
21	14	84.0	-13.3	-13.7	-13.1

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG. 44

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
FJI19300	FJI	152.0	179.4	-17.9	1.04	0.98	67	A883	A884	1	
			179.4	-17.9	1.04	0.98	67	A887	A882	1	

			1		2		3		4		5		6	
13														
14			177.5		-178.5		176.9		180.0		-179.1		-178.3	
15			-19.0		-19.9		-17.1		-15.7		-16.1		-19.0	
16	01	63.7	6.3	7.3	4.8	5.8	10.2	11.2	10.6	11.6	9.9	10.9	7.1	8.1
16	05	63.8	6.3	7.3	4.8	5.8	10.2	11.2	10.5	11.5	9.7	10.7	6.9	7.9
16	09	63.8	6.2	7.2	4.7	5.7	10.1	11.1	10.5	11.5	9.7	10.7	6.8	7.8

17			177.5	-178.5	176.9	180.0	-179.1	-178.3
18			-19.0	-19.9	-17.1	-15.7	-16.1	-19.0
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	01	84.0	26.2	25.6	25.9	25.9	25.7	26.2
21	05	84.0	26.2	25.5	25.9	25.9	25.7	26.2
21	09	84.0	26.2	25.6	25.9	25.9	25.7	26.2

1	2	3	4	5	6	7	8	9	10	11	12
FNL10300	FNL	5.0	22.5	64.5	1.38	0.76	171	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			24.9		31.5		19.2		24.0		20.7		29.3	
15			60.0		62.9		60.0		66.0		69.1		69.5	
16	02	67.7	6.5	7.0	8.9	9.1	5.7	6.3	12.3	11.8	12.4	11.8	12.4	11.8
16	06	67.8	6.5	7.0	9.0	9.2	5.7	6.3	12.3	11.8	12.4	11.8	12.5	11.9
16	10	67.9	6.5	7.0	9.1	9.3	5.7	6.3	12.3	11.8	12.5	11.9	12.6	12.0

17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9
19			E	E	G	J	C	E	C	E	E	C
20			0	0	0	0	0	0	0	0	0	0
21	02	84.0	8.0	9.1	9.8	7.0	7.0	9.7	8.2	8.5	7.4	8.4
21	06	84.0	8.0	9.1	9.8	7.0	7.0	9.7	8.2	8.5	7.4	8.4
21	10	84.0	8.0	9.1	9.8	7.1	7.0	9.7	8.2	8.5	7.4	8.4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
FNL10400	FNL	5.0	17.0 17.0	61.5 61.5	2.00 2.00	1.00 1.00	10 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			8.0		4.7		24.9		25.7		11.6		15.0	
15			56.0		59.2		60.0		71.2		67.4		55.0	
16	22	67.7	8.3	8.2	10.3	9.7	11.1	10.2	13.9	11.8	12.4	11.0	4.4	4.9
16	26	67.5	8.1	8.0	10.0	9.5	11.4	10.4	10.9	10.1	11.7	10.6	4.1	4.6
17			12.5		10.0		10.8		6.0		23.6		18.1	
18			55.7		57.5		60.1		62.5		70.7		59.2	
19			E		E		G		J		C		E	
20			0		0		0		0		0		0	
21	22	84.0	5.7		6.9		7.6		4.8		4.7		7.4	
21	26	84.0	5.7		6.8		7.5		4.8		4.7		7.4	

			7		8		9		10	
13										
14			21.1		24.0		29.8		27.0	
15			67.9		60.2		62.6		68.9	
16			C		E		E		C	
16			0		0		0		0	
17	22	84.0	5.9		6.3		5.1		6.1	
17	26	84.0	5.9		6.2		5.1		6.1	

1	2	3	4	5	6	7	8	9	10	11	12
G 02700	G	-31.0	-3.5 -3.5	53.8 53.8	1.84 1.84	0.72 0.72	142 142	A883 A887	A884 A882	1 2	7.

			1		2		3		4		5		6	
13														
14			1.3		-2.0		1.7		-6.3		-8.1		-0.8	
15			51.1		49.1		52.4		49.9		54.4		60.8	
16	04	65.0	3.0	3.3	3.4	3.7	3.8	4.0	3.7	3.9	7.5	6.8	8.1	7.2
16	08	65.1	3.0	3.3	3.4	3.7	3.8	4.0	3.7	3.9	7.5	6.8	8.1	7.2
16	12	65.1	2.8	3.2	3.4	3.7	3.2	3.5	3.7	3.9	7.5	6.8	6.3	6.0
16	16	65.2	2.8	3.2	3.4	3.7	3.2	3.5	3.7	3.9	7.6	6.9	6.3	6.0
16	20	65.2	2.6	3.0	3.5	3.8	3.0	3.4	3.9	4.1	7.0	6.6	5.6	5.5
17			-1.3		-6.9		-7.3		-5.7		-2.1		1.3	
18			60.3		57.8		55.0		50.1		49.3		51.1	
19			G		G		H		F		F		E	
20			0		0		0		0		0		0	
21	04	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	08	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	12	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	16	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	20	84.0	2.6		3.2		3.5		2.6		3.7		2.4	

			7		8		9		10	
13										
14			1.8		-0.1		-2.2		-4.3	
15			52.6		51.5		53.5		55.9	
16			E		E		F		H	
16			0		0		0		0	
17	04	84.0	1.8		3.4		4.8		4.8	
17	08	84.0	1.8		3.4		4.8		4.8	
17	12	84.0	1.8		3.4		4.8		4.8	
17	16	84.0	1.8		3.4		4.8		4.8	
17	20	84.0	2.1		3.7		5.1		5.1	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GAB26000	GAB	-13.0	11.8 11.8	-0.6 -0.6	1.43 1.43	1.12 1.12	64 64	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			9.0		11.5		12.5		11.8		13.0		11.0	
15			-1.0		1.0		2.0		-0.6		-2.0		-4.0	
16	03	63.4	4.0	4.6	5.4	5.8	4.5	5.0	5.6	6.0	3.1	3.7	2.6	3.3
16	07	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	11	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	15	63.5	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	19	63.6	4.0	4.8	5.5	6.2	4.6	5.3	5.6	6.2	3.2	4.0	2.6	3.4
17			9.0		11.5		12.5		11.8		13.0		11.0	
18			-1.0		1.0		2.0		-0.6		-2.0		-4.0	
19			N		P		P		P		N		N	
20			0		0		0		0		0		0	
21	03	84.0	5.3		7.1		6.0		8.4		6.5		4.7	
21	07	84.0	5.4		7.2		6.1		8.5		6.6		4.9	
21	11	84.0	5.4		7.2		6.1		8.5		6.6		4.9	
21	15	84.0	5.4		7.2		6.1		8.5		6.6		4.9	
21	19	84.0	7.9		9.6		8.6		11.0		9.1		7.3	

1	2	3	4	5	6	7	8	9	10	11	12
GHA10800	GHA	-25.0	-1.2 -1.2	7.9 7.9	1.48 1.48	1.06 1.06	102 102	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			-2.9		-3.3		1.2		0.1		-1.4		-3.0	
15			11.0		6.6		6.1		11.0		7.4		5.1	
16	23	63.6	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	27	63.7	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	31	63.7	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	35	63.8	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	39	63.8	4.1	4.5	5.7	5.8	3.5	3.9	2.7	3.2	6.8	6.7	5.2	5.4
17			-2.9		-3.3		1.2		0.1		-1.4		-3.0	
18			11.0		6.6		6.1		11.0		7.4		5.1	
19			N		P		N		K		P		N	
20			0		0		0		0		0		0	
21	23	83.0	3.4		4.0		3.7		3.5		6.8		3.1	
21	27	83.0	3.4		4.0		3.7		3.5		6.8		3.1	
21	31	83.0	3.4		4.0		3.7		3.5		6.8		3.1	
21	35	83.0	3.4		4.0		3.7		3.5		6.8		3.1	
21	39	83.0	3.4		4.0		3.7		3.5		6.8		3.1	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GMB30200	GMB	-37.0	-15.1	13.4	0.79	0.60	4	A883	A884	2	
			-15.1	13.4	0.79	0.60	4	A887	A882	1	

			1		2		3		4		5		6	
13			-14.2		-16.5		-16.7		-14.3		-16.1		-15.6	
14			13.3		13.3		13.4		13.5		13.5		13.6	
15														
16	03	63.4	3.1	2.3	3.7	2.7	3.6	2.7	3.7	2.7	4.1	3.0	4.6	3.3
16	07	63.4	3.1	2.3	3.7	2.7	3.5	2.6	3.7	2.7	4.1	3.0	4.5	3.2
16	11	63.4	3.1	2.3	3.7	2.7	3.5	2.6	3.7	2.7	4.1	3.0	4.6	3.3
16	15	63.5	3.1	2.3	3.7	2.7	3.6	2.7	3.7	2.7	4.1	3.0	4.6	3.3
16	19	63.5	3.6	2.7	3.9	2.9	3.7	2.7	4.1	3.0	4.3	3.1	4.8	3.4
17			-14.2		-16.5		-16.7		-14.3		-16.1		-15.6	
18			13.3		13.3		13.4		13.5		13.5		13.6	
19			K		N		N		K		K		K	
20			0		0		0		0		0		0	
21	03	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	07	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	11	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	15	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	19	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	

1	2	3	4	5	6	7	8	9	10	11	12
GNB30400	GNB	-31.0	-15.0	12.0	0.90	0.60	172	A883	A884	2	
			-15.0	12.0	0.90	0.60	172	A887	A882	1	

			1		2		3		4		5	
13			-16.3		-15.2		-14.2		-14.2		-15.7	
14			11.8		11.5		12.3		12.3		11.2	
15												
16	02	63.2	2.7	3.3	3.2	3.8	2.2	2.9	2.2	2.9	2.4	3.0
16	06	63.2	2.6	3.2	3.1	3.7	2.2	2.9	2.2	2.9	2.4	3.0
16	10	63.2	2.6	3.2	3.1	3.7	2.2	2.9	2.2	2.9	2.4	3.0
16	14	63.3	2.6	3.2	3.2	3.8	2.2	2.9	2.2	2.9	2.4	3.0
16	18	63.3	2.9	3.6	3.4	4.1	2.5	3.2	2.5	3.2	2.7	3.4
17			-15.0									
18			12.0									
19			K									
20			0									
21	02	84.0	4.1									
21	06	84.0	4.1									
21	10	84.0	4.1									
21	14	84.0	4.1									
21	18	84.0	5.2									

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GNE30300	GNE	-19.0	10.3	1.5	0.68	0.60	10	A883	A884	2	
			10.3	1.5	0.68	0.60	10	A887	A882	1	

			1		2		3		4		5	
13			9.6		11.3		11.3		9.8		11.3	
14			1.2		1.2		2.4		2.4		1.8	
15												
16	23	63.8	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	27	63.8	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	31	63.9	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	35	63.9	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	39	64.0	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
17			9.6		11.3		11.3		9.8		11.3	
18			1.2		1.2		2.4		2.4		1.8	
19			P		P		P		P		P	
20			0		0		0		0		0	
21	23	84.0	6.1		5.2		3.8		4.1		5.3	
21	27	84.0	6.1		5.2		3.8		4.1		5.3	
21	31	84.0	6.1		5.2		3.8		4.1		5.3	
21	35	84.0	6.1		5.2		3.8		4.1		5.3	
21	39	84.0	6.1		5.2		3.8		4.1		5.3	

1	2	3	4	5	6	7	8	9	10	11	12
GRC10500	GRC	5.0	24.7	38.2	1.78	0.98	156	A883	A884	1	
			24.5	38.0	2.03	1.29	159	A887	A882	2	

			1		2		3		4		5		6	
13			19.4		24.0		29.6		26.5		26.6		22.9	
14			39.9		34.6		36.1		39.0		41.5		41.4	
15														
16	03	63.3	3.8	4.1	5.4	5.4	6.9	6.5	6.0	5.8	0.3	1.0	1.2	1.8
16	07	63.4	3.8	4.1	5.5	5.4	7.0	6.6	6.0	5.8	0.3	1.0	1.2	1.8
16	11	63.4	3.9	4.1	5.5	5.4	7.1	6.6	6.0	5.8	0.4	1.0	1.2	1.8
16	15	63.5	3.9	4.1	5.6	5.5	7.1	6.6	6.1	5.9	0.4	1.0	1.2	1.8
16	19	63.5	3.9	4.1	5.6	5.5	7.1	6.6	6.1	5.9	0.4	1.0	1.2	1.8
17			19.4		24.0		29.6		26.5		26.2		22.9	
18			39.9		34.6		36.1		39.0		41.7		41.4	
19			L		K		K		L		L		L	
20			0		0		0		0		0		0	
21	03	84.0	2.3		2.4		2.2		3.8		2.1		2.7	
21	07	84.0	2.3		2.4		2.2		3.8		2.1		2.7	
21	11	84.0	2.2		2.4		2.2		3.8		2.0		2.6	
21	15	84.0	2.3		2.5		2.2		3.9		2.1		2.7	
21	19	84.0	2.3		2.5		2.2		3.9		2.1		2.7	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GUI19200	GUI	-37.0	-11.0	10.2	1.58	1.04	147	A883	A884	2	
			-11.0	10.2	1.58	1.04	147	A887	A882	1	

			1		2		3		4		5	
13			-8.6		-9.1		-14.5		-13.3		-11.3	
14			8.6		11.4		11.5		12.5		10.1	
15												
16	01	63.5	12.8	8.8	10.5	8.0	3.8	3.8	4.5	4.3	10.8	8.1
16	05	63.5	7.3	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7
16	09	63.5	7.2	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7
16	13	63.6	7.2	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7
16	17	63.7	7.3	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.9	4.7
17			-8.6		-9.1		-14.5		-13.3		-11.3	
18			8.6		11.4		11.5		12.5		10.1	
19			N		K		K		K		N	
20			0		0		0		0		0	
21	01	85.0	1.5		0.8		0.5		0.8		3.3	
21	05	85.0	-1.5		-2.1		-2.4		-2.2		0.3	
21	09	85.0	-1.5		-2.1		-2.4		-2.2		0.3	
21	13	85.0	-1.5		-2.1		-2.4		-2.2		0.3	
21	17	85.0	-1.5		-2.1		-2.4		-2.2		0.3	

1	2	3	4	5	6	7	8	9	10	11	12
HNG10600	HNG	-1.0	19.5	47.2	0.92	0.60	176	A883	A884	1	
			22.2	45.6	2.00	2.00	0	A887	A882	2	

			1		2		3		4		5		6	
13			22.9		20.8		17.3		16.1		18.0		21.0	
14			48.0		48.6		48.1		46.8		45.7		46.2	
15														
16	22	64.0	-0.6	0.2	-0.1	0.6	-2.2	-1.4	-2.9	-2.0	-2.1	-1.3	-2.1	-1.3
16	26	64.0	-0.6	0.2	0.0	0.7	-2.2	-1.4	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	30	64.1	-0.6	0.2	0.0	0.7	-2.1	-1.3	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	34	64.1	-0.3	0.4	0.3	1.0	-2.0	-1.2	-2.8	-2.0	-2.0	-1.2	-2.1	-1.3
16	38	64.2	-0.4	0.3	0.5	1.2	-1.5	-0.7	-2.5	-1.7	-2.1	-1.3	-2.2	-1.4
17			22.9		20.8		17.3		16.1		18.0		21.0	
18			48.0		48.6		48.1		46.8		45.7		46.2	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	22	84.0	4.6		4.0		2.9		2.7		4.0		4.8	
21	26	84.0	4.6		4.0		2.9		2.7		4.0		4.8	
21	30	84.0	4.6		4.0		2.9		2.7		4.0		4.9	
21	34	84.0	4.5		4.0		2.8		2.6		3.9		4.8	
21	38	84.0	4.6		4.0		2.8		2.7		3.9		4.8	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
HOL21300	HOL	-19.0	5.4	52.0	0.76	0.60	171	A883	A884	1	
			5.4	52.0	0.76	0.60	171	A887	A882	2	

			1		2		3		4		5		6	
13			3.1		6.2		7.2		7.3		6.6		5.1	
14			51.2		50.6		52.2		53.3		53.7		53.4	
15														
16	23	64.4	1.5	1.8	-0.2	0.3	1.4	1.8	2.1	2.4	2.2	2.4	2.3	2.5
16	27	64.5	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6
16	31	64.6	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6
16	35	64.6	2.1	2.4	0.5	1.0	1.8	2.1	2.2	2.4	2.3	2.5	2.5	2.7
16	39	64.7	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6
17			3.1		6.2		7.2		7.3		6.6		5.1	
18			51.2		50.6		52.2		53.3		53.7		53.4	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	23	84.0	1.0		0.4		1.7		1.1		0.7		1.0	
21	27	84.0	1.0		0.4		1.7		1.1		0.7		1.0	
21	31	84.0	1.0		0.4		1.7		1.1		0.7		1.0	
21	35	84.0	1.0		0.4		1.7		1.1		0.7		1.0	
21	39	84.0	1.0		0.4		1.7		1.1		0.7		1.0	

1	2	3	4	5	6	7	8	9	10	11	12
I 08200	I	-19.0	12.3	41.3	2.38	0.98	137	A883	A884	2	
			12.3	41.3	2.38	0.98	137	A887	A882	1	

			1		2		3		4		5		6	
13			12.6		8.2		6.6		8.3		13.7		18.6	
14			35.4		39.0		45.1		46.5		46.5		40.0	
15														
16	24	64.1	3.1	3.3	6.1	5.6	3.9	3.9	3.5	3.6	4.0	4.0	4.5	4.4
16	28	64.2	3.3	3.4	6.1	5.6	4.3	4.2	4.0	4.0	4.3	4.2	4.7	4.5
16	32	64.2	3.3	3.4	6.1	5.6	4.3	4.2	4.0	4.0	4.3	4.2	4.7	4.5
16	36	64.3	3.3	3.4	6.1	5.6	4.0	4.0	3.5	3.6	4.0	4.0	4.7	4.5
16	40	64.3	3.8	4.2	9.0	8.2	6.6	6.5	5.5	5.6	6.0	6.0	6.4	6.3
17			12.6		8.2		6.6		8.3		13.7		18.6	
18			35.4		39.0		45.1		46.5		46.5		40.0	
19			E		K		L		H		K		L	
20			0		0		0		0		0		0	
21	24	84.0	1.6		0.8		1.3		2.1		2.2		1.0	
21	28	84.0	1.6		0.8		1.3		2.1		2.2		1.0	
21	32	84.0	1.6		0.8		1.3		2.1		2.2		1.0	
21	36	84.0	1.6		0.8		1.3		2.1		2.2		1.0	
21	40	84.0	3.6		2.8		3.3		4.0		4.2		3.0	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2	3.
			93.0	25.5	1.46	1.13	40	A887	A882	1	

			1		2		3		4		5		6	
13														
14			93.0		91.6		89.8		91.5		96.0		97.1	
15			22.0		23.0		26.0		27.8		29.5		27.1	
16	02	64.0	1.8	2.7	4.3	5.2	1.8	2.7	0.4	1.4	-1.0	0.0	-0.5	0.5
16	10	64.0	1.8	2.7	4.3	5.2	1.7	2.6	0.4	1.3	-1.1	-0.1	-0.8	0.2
17			93.0		91.6		89.8		91.5		96.0		97.1	
18			22.0		23.0		26.0		27.8		29.5		27.1	
19			P		N		K		K		K		K	
20			0		0		0		0		0		0	
21	02	84.0	11.3		13.7		12.5		12.1		11.7		12.9	
21	10	84.0	10.3		12.7		11.5		11.1		10.7		11.9	

1	2	3	4	5	6	7	8	9	10	11	12
IND03800	IND	56.0	75.9	33.4	1.52	1.08	33	A883	A884	1	3.
			75.9	33.4	1.52	1.08	33	A887	A882	2	

			1		2		3		4		5		6	
13														
14			73.9		73.6		72.5		74.6		80.3		79.0	
15			30.0		33.1		35.9		37.0		35.7		31.2	
16	19	64.3	0.5	1.2	5.1	5.4	2.5	3.1	4.1	4.5	7.3	7.2	-3.4	-2.5
16	21	64.4	1.5	2.3	7.3	7.5	6.1	6.4	6.9	7.1	9.8	9.4	-3.1	-2.2
17			73.9		73.6		72.5		74.6		80.3		79.0	
18			30.0		33.1		35.9		37.0		35.7		31.2	
19			E		E		E		E		K		K	
20			0		0		0		0		0		0	
21	19	84.0	6.8		8.6		3.5		4.1		7.2		4.3	
21	21	84.0	8.4		10.1		5.0		5.7		8.7		5.9	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03900	IND	56.0	72.7	11.2	1.26	0.60	107	A883	A884	1	3.
			72.7	11.2	1.26	0.60	107	A887	A882	2	

			1		2		3	
13								
14			71.9		73.7		73.0	
15			12.3		10.9		8.3	
16	01	63.2	9.1	10.1	9.5	10.5	10.2	11.2
16	09	63.2	8.1	8.6	8.5	8.9	8.7	9.1
17			71.9		73.7		73.0	
18			12.3		10.9		8.3	
19			N		N		N	
20			0		0		0	
21	01	84.0	30.0		28.7		27.9	
21	09	84.0	9.8		8.5		7.8	

1	2	3	4	5	6	7	8	9	10	11	12
IND04000	IND	56.0	73.0	25.0	1.82	1.48	58	A883	A884	2	3.
			73.0	25.0	1.82	1.48	58	A887	A882	1	

			1		2		3		4		5		6	
13														
14			67.8		69.5		73.5		78.2		76.8		73.1	
15			24.0		27.0		30.0		27.0		24.2		20.1	
16	08	63.7	8.8	8.7	3.9	4.5	-0.7	0.2	3.0	3.7	7.5	7.7	8.6	8.6
16	16	63.8	8.1	9.0	6.6	7.5	2.7	3.7	2.3	3.3	8.3	9.2	8.5	9.4
17			67.8		69.5		73.5		78.2		76.8		73.1	
18			24.0		27.0		30.0		27.0		24.2		20.1	
19			K		E		E		K		K		N	
20			0		0		0		0		0		0	
21	08	84.0	5.4		5.9		6.0		5.9		6.4		5.6	
21	16	84.0	16.7		17.3		17.3		17.3		17.8		17.0	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04100	IND	56.0	78.4	16.0	2.08	1.38	35	A883	A884	2	3.
			78.4	16.0	2.08	1.38	35	A887	A882	1	

13			1		2		3		4		5				
14			73.6		78.3		84.9		80.2		76.8				
15			15.7		19.8		19.0		13.5		11.8				
16	18	63.8	10.4	10.4	3.3	4.1	1.8	2.7	12.1	11.8	11.3	11.2			
16	24	63.9	11.6	12.4	3.2	4.2	2.1	3.1	12.7	13.4	13.0	13.7			
17			73.6		78.6		84.9		80.2		76.8				
18			15.7		19.8		19.0		13.5		11.8				
19			N		N		N		N		N				
20			0		0		0		0		0				
21	18	84.0	8.2		7.8		7.5		8.1		7.8				
21	24	84.0	16.3		15.9		15.6		16.3		16.0				

1	2	3	4	5	6	7	8	9	10	11	12
IND04200	IND	68.0	79.3	27.7	2.14	1.16	147	A883	A884	2	3.
			79.3	27.7	2.14	1.16	147	A887	A882	1	

13			1		2		3		4		5		6				
14			78.7		74.5		81.0		83.6		84.6		83.0				
15			24.2		29.9		30.2		27.5		25.8		23.9				
16	20	63.8	1.4	1.7	2.0	2.2	3.0	3.1	1.0	1.4	-1.6	-0.9	-1.1	-0.5			
16	22	63.8	1.9	2.1	2.8	2.8	5.6	4.9	1.8	2.0	-1.3	-0.7	-0.9	-0.3			
17			78.7		74.5		81.0		83.6		84.6		83.0				
18			24.2		29.9		30.2		27.5		25.8		23.9				
19			K		E		K		K		K		K				
20			0		0		0		0		0		0				
21	20	89.0	0.2		1.1		0.8		1.1		0.6		0.9				
21	22	89.0	-0.2		0.7		0.3		0.6		0.1		0.5				

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04300	IND	56.0	77.8	11.1	1.36	1.28	172	A883	A884	1	3.
			77.8	11.1	1.36	1.28	172	A887	A882	2	

13			1		2		3		4		5				
14			77.5		74.8		80.3		79.8		79.5				
15			8.1		12.8		13.5		10.2		9.1				
16	03	63.4	5.6	6.6	6.1	7.1	5.8	6.8	4.9	5.9	3.8	4.8			
16	11	63.5	5.4	6.4	6.1	7.1	5.8	6.8	4.9	5.9	3.8	4.8			
17			77.5		74.8		80.3		79.8		79.5				
18			8.1		12.8		13.5		10.2		9.1				
19			N		N		N		N		N				
20			0		0		0		0		0				
21	03	84.0	20.3		20.0		20.2		21.9		21.1				
21	11	84.0	20.2		19.9		20.1		21.8		21.0				

1	2	3	4	5	6	7	8	9	10	11	12
IND04400	IND	68.0	79.5	22.3	2.19	1.42	146	A883	A884	1	3.
			79.5	22.3	2.19	1.42	146	A887	A882	2	

13			1		2		3		4		5		6				
14			74.1		75.2		78.2		81.5		84.3		81.2				
15			22.6		25.0		26.9		25.2		23.0		17.8				
16	05	63.5	5.8	5.5	4.4	4.4	0.4	1.0	0.8	1.3	0.6	1.1	7.7	6.8			
16	13	63.5	6.0	5.4	4.6	4.4	0.4	0.9	0.8	1.3	0.6	1.1	7.8	6.6			
17			74.1		75.2		78.2		81.5		84.3		81.2				
18			22.6		25.0		26.9		25.2		23.0		17.8				
19			K		K		K		K		N		N				
20			0		0		0		0		0		0				
21	05	84.0	1.2		2.4		1.6		2.0		1.5		1.6				
21	13	84.0	0.5		1.7		1.0		1.3		0.8		0.9				

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04500	IND	56.0	76.2	19.5	1.58	1.58	21	A883	A884	2	3.
			76.2	19.5	1.58	1.58	21	A887	A882	1	

			1		2		3		4		5		6	
13														
14			74.0		72.6		74.4		80.0		80.2		74.0	
15			15.7		19.9		22.0		21.6		18.8		15.7	
16	06	63.6	4.4	5.3	4.0	4.9	3.1	4.0	4.9	5.8	6.5	7.4	4.4	5.3
16	14	63.7	5.1	6.0	8.5	9.3	8.2	9.0	7.4	8.2	7.7	8.5	5.1	6.0

17		74.0	72.6	74.4	80.0	80.2		
18		15.7	19.9	22.0	21.6	18.8		
19		N	N	K	N	N		
20		0	0	0	0	0		
21	06 84.0	12.5	13.3	13.5	13.0	12.8		
21	14 84.0	12.3	13.1	13.4	12.8	12.6		

1	2	3	4	5	6	7	8	9	10	11	12
IND04600	IND	68.0	84.7	20.5	1.60	0.86	30	A883	A884	1	3.
			84.7	20.5	1.60	0.86	30	A887	A882	2	

			1		2		3		4		5	
13												
14			81.4		84.0		87.5		84.3		82.3	
15			17.8		22.4		21.7		18.8		21.0	
16	17	63.6	5.8	5.6	0.7	1.3	0.6	1.2	5.1	5.0	3.9	4.1
16	23	63.7	4.5	3.0	1.4	1.0	0.6	0.4	4.8	3.1	3.3	2.3

17		81.4	84.0	87.5	84.3	82.3	
18		17.8	22.4	21.7	18.8	21.0	
19		N	N	N	N	N	
20		0	0	0	0	0	
21	17 84.0	2.6	1.6	4.2	3.5	2.7	
21	23 84.0	-2.6	-3.5	-0.9	-1.6	-2.5	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04700	IND	68.0	93.3	11.1	1.92	0.60	96	A883	A884	1	3.
			93.3	11.1	1.92	0.60	96	A887	A882	2	

			1		2		3		4	
13										
14			93.8		94.2		93.8		92.2	
15			14.8		13.4		6.8		11.5	
16	07	63.5	6.1	7.1	7.6	8.6	10.3	11.3	10.0	11.0
16	15	63.6	2.7	3.7	7.0	8.0	12.8	13.7	10.4	11.4

17		93.8	94.2	93.8	92.2	
18		14.8	13.4	6.8	11.5	
19		P	P	P	N	
20		0	0	0	0	
21	07 84.0	22.4	22.5	21.8	21.1	
21	15 84.0	23.6	23.7	22.9	22.3	

1	2	3	4	5	6	7	8	9	10	11	12
IND04800	IND	68.0	86.2	25.0	1.56	0.90	120	A883	A884	2	3.
			86.2	25.0	1.56	0.90	120	A887	A882	1	

			1		2		3		4		5		6	
13														
14			83.3		83.8		88.6		89.8		89.0		89.0	
15			25.2		27.4		28.2		26.7		25.3		23.2	
16	04	63.7	0.4	0.7	0.1	0.5	-2.7	-2.0	-2.8	-2.1	1.2	1.4	3.4	3.2
16	12	63.8	0.4	0.3	0.2	0.2	-2.6	-2.2	-2.8	-2.3	1.3	1.0	3.5	2.5

17		83.3	83.8	88.6	89.8	89.0	89.0	
18		25.2	27.4	28.2	26.7	25.3	23.2	
19		K	K	K	K	K	N	
20		0	0	0	0	0	0	
21	04 86.0	2.3	3.6	0.6	-0.7	2.3	3.0	
21	12 86.0	-0.1	1.1	-1.9	-3.1	-0.2	0.6	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS02800	INS	80.0	101.5 113.6	0.0 -1.4	3.00 6.73	1.20 3.33	133 160	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			95.3		104.4		106.7		106.7		100.0		101.5	
15			5.5		0.9		-3.8		-5.9		-4.0		0.0	
16	02	63.3	7.4	5.2	0.2	0.4	2.5	2.2	4.6	3.7	7.3	5.2	6.5	4.8
16	04	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.4	5.2	6.5	4.8
16	06	63.3	7.5	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.3	5.2	6.5	4.8
16	08	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.5	5.3	6.5	4.8
17			91.2	104.0	118.0		140.8	120.0	95.5	106.0	130.0	141.0	100.0	
18			3.8	1.4	4.4		-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0	
19			P	P	P		P	P	P	P	P	P	P	
20			0	0	0		0	0	0	0	0	0	0	
21	02	84.0	-0.3	2.8	1.4		-0.3	1.1	0.2	0.7	-1.9	0.3	0.9	
21	04	84.0	-0.3	2.8	1.5		-0.3	1.1	0.2	0.8	-1.9	0.3	0.9	
21	06	84.0	-0.3	2.8	1.5		-0.2	1.1	0.2	0.8	-1.9	0.3	0.9	
21	08	84.0	-0.3	2.9	1.5		-0.2	1.1	0.2	0.8	-1.9	0.4	0.9	

1	2	3	4	5	6	7	8	9	10	11	12
INS03000	INS	80.0	112.3 113.6	-8.1 -1.4	3.14 6.73	1.46 3.33	169 160	A883 A887	A884 A882	1 2	

			1		2		3		4		5	
13												
14			105.3		114.0		120.0		120.0		113.1	
15			-6.5		-5.8		-8.0		-10.5		-10.0	
16	18	64.2	1.8	-6.1	0.6	-6.3	1.2	-6.2	1.9	-6.1	2.6	-6.0
16	20	64.2	1.9	-6.1	0.6	-6.3	1.2	-6.2	1.9	-6.1	2.6	-6.0
16	22	64.2	1.9	-6.1	0.6	-6.3	1.2	-6.2	1.9	-6.1	2.6	-6.0
16	24	64.3	5.3	-3.9	3.9	-4.1	4.4	-4.0	5.4	-3.9	6.3	-3.8
17			91.2	104.0	118.0		140.8	120.0	95.5	106.0	130.0	141.0	100.0	
18			3.8	1.4	4.4		-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0	
19			P	P	P		P	P	P	P	P	P	P	
20			0	0	0		0	0	0	0	0	0	0	
21	18	84.0	-13.9	-10.8	-12.1		-13.9	-12.5	-13.4	-12.9	-15.5	-13.3	-12.7	
21	20	84.0	-13.9	-10.8	-12.1		-13.8	-12.5	-13.4	-12.8	-15.5	-13.3	-12.7	
21	22	84.0	-13.9	-10.8	-12.1		-13.8	-12.5	-13.4	-12.8	-15.5	-13.3	-12.7	
21	24	84.0	-11.9	-8.7	-10.1		-11.8	-10.5	-11.4	-10.8	-13.5	-11.2	-10.7	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03200	INS	80.0	112.3 113.6	-0.3 -1.4	2.66 6.73	2.32 3.33	109 160	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			117.5		112.7		109.1		110.2		114.7		118.7	
15			3.7		1.3		1.8		-2.4		-4.2		0.7	
16	17	64.0	4.9	-3.9	6.7	-3.7	3.8	-4.0	4.8	-3.9	4.6	-3.9	5.3	-3.8
16	19	64.1	0.4	-6.3	2.7	-6.0	1.1	-6.2	1.3	-6.2	0.5	-6.3	0.7	-6.3
16	21	64.1	4.8	-4.6	6.5	-4.5	3.6	-4.7	3.8	-4.7	3.1	-4.8	5.0	-4.6
16	23	64.1	0.7	-6.3	3.0	-6.1	1.3	-6.3	1.5	-6.2	0.8	-6.3	1.1	-6.3
17			91.2	104.0	118.0		140.8	120.0	95.5	106.0	130.0	141.0	100.0	
18			3.8	1.4	4.4		-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0	
19			P	P	P		P	P	P	P	P	P	P	
20			0	0	0		0	0	0	0	0	0	0	
21	17	84.0	-11.8	-8.7	-10.1		-11.8	-10.4	-11.3	-10.8	-13.4	-11.2	-10.6	
21	19	84.0	-13.9	-10.8	-12.2		-13.9	-12.5	-13.4	-12.9	-15.5	-13.3	-12.7	
21	21	84.0	-12.6	-9.4	-10.8		-12.5	-11.2	-12.1	-11.5	-14.2	-11.9	-11.3	
21	23	84.0	-14.0	-10.9	-12.2		-13.9	-12.6	-13.5	-12.9	-15.6	-13.4	-12.8	

1	2	3	4	5	6	7	8	9	10	11	12
INS03500	INS	104.0	124.3 115.2	-3.2 -1.7	3.34 9.14	1.94 3.43	82 170	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			128.1		128.6		123.6		119.4		119.8		125.5	
15			-3.6		0.8		-10.2		-5.1		-0.9		4.0	
16	01	63.3	8.6	4.3	10.0	4.7	7.8	4.0	13.8	5.3	14.0	5.3	6.6	3.6
16	05	63.3	8.5	4.3	9.4	4.5	7.7	4.0	13.3	5.2	13.3	5.2	5.9	3.3
16	09	63.3	8.5	4.3	9.3	4.5	7.7	4.0	13.3	5.2	13.5	5.3	5.8	3.3
16	13	63.4	8.4	4.0	8.7	4.1	7.6	3.8	8.6	4.1	5.5	3.0	4.3	2.4
17			91.2	104.0	118.0		140.8	120.0	95.5	106.0	130.0	141.0	100.0	
18			3.8	-1.4	4.4		-1.0	-10.0	7.8	-7.4	6.6	9.1	-4.0	
19			P	P	P		P	P	P	P	P	P	P	
20			0	0	0		0	0	0	0	0	0	0	
21	01	84.0	2.2	4.5	3.4		1.8	2.8	1.7	2.8	0.3	-4.2	3.2	
21	05	84.0	2.2	4.5	3.4		1.8	2.8	1.7	2.8	0.3	-4.2	3.2	
21	09	84.0	2.2	4.5	3.4		1.8	2.8	1.7	2.8	0.3	-4.2	3.2	
21	13	84.0	1.9	4.2	3.1		1.5	2.5	1.4	2.6	0.0	-4.5	3.0	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03600	INS	104.0	135.2	-3.8	2.46	2.00	147	A883	A884	1	
			115.2	-1.7	9.14	3.43	170	A887	A882	2	

			1		2		3		4		5		6	
			140.6		140.3		128.0		131.8		128.1		135.2	
			-2.6		-8.5		-7.0		-7.3		-3.6		-3.8	
03	63.8	5.0	2.8	3.7	2.2	4.0	2.3	6.1	3.3	9.1	4.4	9.1	4.4
07	63.8	5.0	2.8	3.7	2.1	3.9	2.2	6.1	3.3	9.0	4.3	9.1	4.3
11	63.9	5.0	2.8	3.7	2.2	3.9	2.3	6.1	3.3	9.0	4.3	9.1	4.4
15	63.9	5.2	2.9	3.9	2.3	3.8	2.2	6.1	3.3	8.8	4.3	9.2	4.4
19	64.0	12.7	5.1	9.6	4.6	1.5	0.8	5.5	3.1	4.4	2.6	11.3	4.9

	91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0	
	3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	9.1	0.8	
	P	P	P	P	P	P	P	P	P	P	
	0	0	0	0	0	0	0	0	0	0	
03	84.0	2.1	4.4	3.2	1.6	2.7	1.5	2.7	0.1	-4.3	3.9
07	84.0	2.0	4.3	3.2	1.6	2.6	1.5	2.7	0.1	-4.4	3.9
11	84.0	2.1	4.4	3.3	1.7	2.7	1.6	2.7	0.2	-4.3	4.0
15	84.0	2.1	4.4	3.3	1.6	2.7	1.6	2.7	0.1	-4.3	3.9
19	84.0	2.3	4.6	3.4	1.8	2.9	1.7	2.9	0.3	-4.2	4.1

1	2	3	4	5	6	7	8	9	10	11	12
IRL21100	IRL	-31.0	-8.2	53.2	0.84	0.60	162	A883	A884	1	
			-8.2	53.2	0.84	0.60	162	A887	A882	2	

			1		2		3		4		5		6	
			-7.3		-6.0		-10.3		-9.8		-6.2		-5.5	
			55.4		53.3		54.3		51.3		52.2		54.3	
02	64.2	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8	5.9	
06	64.3	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8	5.9	
10	64.4	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8	5.9	
14	64.4	6.1	5.4	6.2	5.5	8.2	6.7	8.3	6.8	6.0	5.4	5.0	4.7	
18	64.5	6.2	5.5	6.3	5.6	8.4	6.9	8.6	7.0	6.1	5.5	5.1	4.8	

	-7.3	-6.0	-10.3	-9.8	-6.2	-5.5	-9.7	-8.1	-8.9		
	55.4	53.3	54.3	51.3	52.2	54.3	53.1	51.8	52.7		
	H	H	H	H	H	H	H	H	F		
	0	0	0	0	0	0	0	0	0		
02	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2	
06	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2	
10	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2	
14	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2	
18	84.0	0.6	1.9	0.9	0.5	1.1	1.1	2.8	2.1	3.3	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRN10900	IRN	34.0	54.2	32.4	3.82	1.82	149	A883	A884	2	4.
			54.2	32.4	3.82	1.82	149	A887	A882	1	

			1		2		3		4		5		6	
			60.2		61.5		61.1		48.2		46.1		44.9	
			25.2		31.0		36.5		30.3		33.1		39.4	
03	62.8	7.3	7.8	6.7	7.3	7.8	8.3	11.6	11.4	12.2	11.9	10.7	10.7	
07	62.8	7.3	7.8	6.7	7.3	7.7	8.2	11.6	11.4	12.2	11.9	10.7	10.7	
11	62.9	7.3	8.0	6.8	7.5	7.6	8.3	11.7	11.9	12.5	12.5	11.1	11.4	
15	63.0	8.5	9.2	7.6	8.3	8.1	8.8	11.9	12.2	12.6	12.8	11.2	11.6	
19	63.0	7.2	8.0	8.9	9.6	6.8	7.6	10.4	11.0	10.5	11.1	8.6	9.3	

	48.0	44.6	56.5	61.2	61.8	63.3	61.4	55.1	48.2	45.4	
	39.7	39.8	38.2	36.6	31.3	27.1	25.1	25.9	30.3	34.0	
	K	K	C	C	E	E	E	C	E	K	
	0	0	0	0	0	0	0	0	0	0	
03	84.0	8.8	8.0	8.5	7.6	9.5	8.6	8.2	8.6	8.9	8.9
07	84.0	8.8	8.1	8.6	7.6	9.5	8.6	8.2	8.7	8.9	8.9
11	84.0	10.6	9.8	10.3	9.4	11.2	10.4	10.0	10.4	10.6	10.6
15	84.0	12.0	11.3	11.8	10.8	12.7	11.8	11.5	11.9	12.1	12.1
19	84.0	12.7	11.9	12.4	11.5	13.3	12.5	12.1	12.5	12.7	12.7

1	2	3	4	5	6	7	8	9	10	11	12
IRQ25600	IRQ	11.0	43.6	32.8	1.88	0.96	143	A883	A884	1	
			43.5	33.0	2.28	1.32	145	A887	A882	2	

			1		2		3		4		5		6	
			37.5		41.2		44.0		45.8		48.0		43.5	
			33.3		35.0		37.3		34.2		30.0		30.0	
24	63.3	-0.1	0.4	3.1	3.1	-0.2	0.3	2.1	2.3	0.6	1.0	2.7	2.7	
28	63.4	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.3	4.1	3.8	
32	63.4	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.3	4.1	3.8	
36	63.5	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.3	4.1	3.8	
40	63.5	1.0	1.5	3.9	4.0	0.2	0.8	2.8	3.1	2.7	3.0	4.8	4.8	

	41.2	38.6	42.1	44.5	46.0	46.0	47.5	48.3	44.3	41.5	
	35.6	32.5	36.5	37.1	35.5	33.1	31.5	29.6	29.1	31.1	
	K	E	K	K	K	E	E	E	C	C	
	0	0	0	0	0	0	0	0	0	0	
24	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.0
28	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.1
32	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.1
36	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.1
40	84.0	2.9	2.0	2.5	1.8	2.3	3.4	2.7	1.5	2.1	2.8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ISL04900	ISL	-31.0	-19.0	64.9	1.00	0.60	177	A883	A884	2	
			-19.0	64.9	1.00	0.60	177	A887	A882	1	

			1		2		3		4		5		6	
13			-23.0		-16.0		-13.5		-18.8		-22.7		-24.3	
14			66.5		66.5		65.1		63.4		63.8		65.5	
15														
16	21	65.8	8.4	6.3	9.3	6.7	7.4	5.8	9.6	6.8	9.2	6.7	8.1	6.1
16	25	65.9	9.3	7.2	10.5	7.8	8.9	7.0	10.7	7.9	10.1	7.6	9.0	7.1
16	29	65.9	9.3	7.2	10.5	7.8	8.9	7.0	10.7	7.9	10.1	7.6	9.0	7.1
16	33	66.0	9.3	7.2	10.5	7.8	9.0	7.1	10.7	7.9	10.1	7.6	9.0	7.1
16	37	66.0	9.3	7.2	10.4	7.7	8.8	7.0	10.7	7.9	10.1	7.6	9.0	7.1

17		-21.8	-22.4	-23.5	-20.3	-18.1	-15.3	-14.4	-15.2	-19.1	-19.6
18		64.2	65.1	66.1	65.7	65.7	66.3	65.3	64.3	63.4	64.9
19		E	G	G	E	E	E	G	G	E	G
20		0	0	0	0	0	0	0	0	0	0
21	21 82.0	1.0	0.5	-0.8	1.5	1.7	0.6	-0.1	0.0	1.0	2.2
21	25 82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2
21	29 82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2
21	33 82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2
21	37 82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2

1	2	3	4	5	6	7	8	9	10	11	12
ISL05000	ISL	5.0	-19.5	61.0	2.20	0.80	4	A883	A884	1	
			-19.5	61.0	2.20	0.80	4	A887	A882	2	

			1		2		3		4		5		6	
13			-23.0		-16.0		-6.2		-6.8		-18.8		-24.3	
14			66.5		66.5		62.3		61.5		63.4		65.5	
15														
16	23	66.3	10.2	9.2	9.1	8.5	6.7	6.7	7.5	7.3	11.7	10.1	10.9	9.7
16	31	66.4	10.2	9.3	8.5	8.1	6.4	6.5	7.3	7.2	12.0	10.3	11.1	9.8
16	39	66.5	9.7	8.9	7.9	7.6	5.4	5.6	6.3	6.4	11.4	9.9	10.7	9.5

17		-21.8	-23.5	-15.3	-15.2	-6.8	
18		64.2	66.1	66.3	64.3	62.0	
19		E	G	E	G	G	
20		0	0	0	0	0	
21	23 84.0	5.1	3.9	3.6	5.1	3.9	
21	31 84.0	5.2	3.9	3.7	5.2	4.0	
21	39 84.0	5.1	3.8	3.6	5.1	3.9	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ISR11000	ISR	-13.0	34.9	31.4	0.94	0.60	117	A883	A884	2	
			34.9	31.4	0.94	0.60	117	A887	A882	2	

			1		2		3		4		5	
13			34.8		34.3		35.2		35.5		35.3	
14			29.5		31.2		33.2		32.4		31.3	
15												
16	04	63.7	7.6	4.4	6.6	3.9	2.0	1.4	5.2	3.3	7.8	4.4

17		34.8	34.3	35.2	35.5	35.3
18		29.5	31.2	33.2	32.4	31.3
19		D	G	L	K	G
20		0	100	0	-125	-400
21	04 82.0	-3.6	-1.8	-3.3	-2.0	-1.4

1	2	3	4	5	6	7	8	9	10	11	12
J 11100	J	110.0	134.5	31.5	3.52	3.30	68	A883	A884	1	
			134.5	31.5	3.52	3.30	68	A887	A882	1	

			1		2		3		4		5		6	
13			141.9		129.3		123.7		142.3		145.8		145.3	
14			45.5		34.7		24.3		26.4		43.4		44.3	
15														
16	01	63.2	8.1	7.5	3.0	3.4	-1.2	-0.4	7.2	6.9	8.4	7.7	8.4	7.7
16	03	64.2	2.3	2.4	1.3	1.6	4.8	4.3	10.2	7.4	5.1	4.6	4.4	4.1
16	05	64.2	8.1	6.4	2.3	2.4	-0.4	0.1	8.1	6.4	8.5	6.6	8.4	6.6
16	07	64.2	2.4	2.5	1.4	1.7	5.1	4.6	10.3	7.5	5.1	4.6	4.4	4.1
16	09	64.3	7.7	6.2	2.5	2.6	-0.2	0.3	8.2	6.5	8.5	6.6	8.4	6.6
16	11	64.3	2.4	2.5	1.4	1.7	5.3	4.7	10.3	7.5	5.1	4.6	4.4	4.1
16	13	64.3	7.8	6.4	3.6	3.5	1.8	2.1	9.6	7.4	8.5	6.8	8.4	6.8
16	15	64.4	5.4	5.0	4.3	4.2	4.4	4.2	10.2	7.8	7.4	6.3	7.0	6.1

17		142.0	131.9	129.3	123.5	123.8	142.3	139.7	130.4	141.4	
18		45.5	37.3	34.7	25.8	24.3	26.4	35.7	33.6	43.1	
19		K	K	K	N	N	N	M	M	K	
20		5	5	5	5	5	5	5	5	5	
21	01 87.0	2.6	4.7	4.9	3.2	3.1	3.3	5.4	5.4	3.5	
21	03 87.0	-0.2	2.0	2.1	0.4	0.3	0.5	2.6	2.6	0.7	
21	05 87.0	-0.2	1.9	2.1	0.4	0.3	0.5	2.6	2.6	0.7	
21	07 87.0	-0.2	1.9	2.1	0.4	0.3	0.5	2.6	2.6	0.7	
21	09 87.0	-0.2	1.9	2.1	0.4	0.3	0.5	2.6	2.6	0.7	
21	11 87.0	-0.2	1.9	2.1	0.4	0.3	0.5	2.6	2.6	0.7	
21	13 87.0	0.2	2.3	2.4	0.8	0.6	0.9	2.9	3.0	1.1	
21	15 87.0	0.5	2.7	2.8	1.2	1.0	1.2	3.3	3.3	1.4	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
JOR22400	JOR	11.0	35.8	31.4	0.84	0.78	114	A883	A884	2	
			35.8	31.4	0.84	0.78	114	A887	A882	1	

			1		2		3		4		5		6	
13														
14			34.5		36.1		38.1		38.3		35.0		33.3	
15			29.1		29.0		30.3		33.3		34.0		31.1	
16	23	63.1	1.1	0.6	0.5	0.1	-1.3	-1.3	-1.7	-1.6	-1.6	-1.5	0.7	0.3
16	27	63.1	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.3	-2.7	-1.6	-1.2	2.7	2.2
16	31	63.2	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.2	-2.6	-1.6	-1.2	2.7	2.2
16	35	63.2	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.3	-2.7	-1.6	-1.2	2.7	2.2
16	39	63.3	0.3	0.4	-0.1	0.1	-1.7	-1.3	-3.3	-2.7	-1.7	-1.3	2.4	2.0

17			35.8	35.1	36.0	35.0	39.0	38.0
18			32.0	29.5	32.6	32.0	32.5	30.5
19			E	E	E	E	E	C
20			0	0	0	0	0	0
21	23	85.0	1.1	-1.4	0.0	0.1	-4.2	-3.2
21	27	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	31	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	35	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	39	85.0	2.9	0.4	1.9	2.0	-2.4	-1.4

1	2	3	4	5	6	7	8	9	10	11	12
KEN24900	KEN	11.0	37.9	1.1	2.29	1.56	94	A883	A884	1	
			37.9	1.1	2.29	1.56	94	A887	A882	2	

			1		2		3		4		5		6	
13														
14			41.9		41.6		39.2		33.9		34.0		36.4	
15			3.9		-1.6		-4.7		-1.0		4.2		4.6	
16	21	63.7	10.0	7.5	12.0	8.3	11.9	8.3	6.9	5.9	9.2	7.1	11.2	8.0
16	25	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.7	6.2	9.1	6.0	10.4	6.4
16	29	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0	10.4	6.4
16	33	63.9	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0	10.4	6.4
16	37	63.9	8.5	5.7	11.1	6.6	11.7	6.7	9.1	5.9	8.4	5.6	9.8	6.2

17			36.5	40.1	35.3	38.0	35.5
18			-0.9	-3.1	0.5	2.7	4.9
19			J	J	K	J	K
20			350	0	0	0	1100
21	21	84.0	1.6	0.1	1.0	2.2	0.1
21	25	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	29	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	33	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	37	84.0	-0.5	-2.0	-1.1	0.1	-2.0

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
KOR11200	KOR	110.0	127.5	36.0	1.24	1.02	168	A883	A884	2	
			127.5	36.0	1.24	1.02	168	A887	A882	2	

			1		2		3		4		5		6	
13														
14			124.6		125.0		126.2		129.0		130.8		128.4	
15			37.9		34.0		33.0		35.1		37.4		38.4	
16	02	63.6	-2.9	-2.3	-2.6	-2.0	-3.0	-2.4	-0.5	-0.1	-1.4	-0.9	-1.1	-0.7
16	04	63.6	-2.0	-1.5	-1.5	-1.0	-1.8	-1.3	0.7	0.9	-0.1	0.2	0.0	0.3
16	06	63.6	-3.0	-2.4	-2.6	-2.0	-3.0	-2.4	-0.6	-0.2	-1.5	-1.0	-1.2	-0.7
16	08	63.7	1.3	1.4	1.9	1.8	1.2	1.3	2.8	2.5	1.5	1.5	2.3	2.2
16	10	63.7	-0.7	-0.3	-0.4	-0.1	-1.0	-0.6	0.7	0.9	-0.4	-0.1	0.3	0.5
16	12	63.7	0.6	0.8	-0.6	-0.2	-0.9	-0.5	2.3	2.2	1.4	1.4	2.2	2.1

17			126.3	131.9	125.1	129.1	126.9	124.7	126.6	127.2	127.9	128.4
18			33.1	37.3	34.1	35.1	37.5	38.0	37.9	38.3	38.3	38.5
19			M	K	K	K	K	K	K	K	K	K
20			0	0	0	0	0	0	0	0	0	0
21	02	87.0	-0.7	-1.5	0.0	1.3	1.3	-0.9	0.7	0.4	0.5	0.1
21	04	87.0	-0.7	-1.5	0.0	1.3	1.3	-0.9	0.7	0.4	0.5	0.1
21	06	87.0	-0.7	-1.5	0.0	1.3	1.3	-0.9	0.7	0.4	0.5	0.1
21	08	87.0	-0.7	-1.5	0.0	1.4	1.3	-0.9	0.7	0.4	0.5	0.1
21	10	87.0	-0.7	-1.5	0.0	1.3	1.3	-1.0	0.7	0.3	0.4	0.1
21	12	87.0	-0.8	-1.5	0.0	1.3	1.3	-1.0	0.7	0.3	0.4	0.1

1	2	3	4	5	6	7	8	9	10	11	12
KRE28600	KRE	110.0	127.0	39.1	1.30	1.10	31	A883	A884	2	
			127.0	39.1	1.30	1.10	31	A887	A882	2	

			1		2		3		4		5		6	
13														
14			126.5		128.4		130.7		130.0		124.0		124.7	
15			37.7		38.6		42.3		43.0		39.9		38.1	
16	14	64.0	1.8	2.0	1.6	1.9	0.2	0.7	0.1	0.6	0.7	1.1	1.7	2.0
16	16	64.0	2.5	3.0	3.5	3.9	3.7	4.1	3.8	4.2	0.0	0.7	0.9	1.6
16	18	64.0	7.3	7.8	8.1	8.5	7.6	8.0	7.1	7.6	5.1	5.8	6.3	6.9
16	20	64.0	2.2	3.0	1.2	2.1	-2.3	-1.4	-2.5	-1.6	1.0	1.9	2.3	3.1
16	22	64.0	4.8	5.5	4.2	4.9	-0.1	0.8	-0.9	0.0	1.1	1.9	3.9	4.6

17			126.6	128.4	130.7	130.0	124.2	124.7	132.5	123.5
18			37.8	38.6	42.3	43.0	39.8	38.1	40.2	38.5
19			N	K	K	K	M	K	M	M
20			0	0	0	0	0	0	0	0
21	14	87.0	4.1	3.8	1.8	1.4	2.3	3.6	0.0	2.3
21	16	87.0	6.9	6.6	4.6	4.2	5.1	6.4	2.8	5.1
21	18	87.0	11.2	10.9	8.9	8.5	9.4	10.7	7.1	9.4
21	20	87.0	11.1	10.7	8.7	8.4	9.2	10.5	7.0	9.2
21	22	87.0	10.7	10.4	8.4	8.0	8.9	10.2	6.6	8.9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
KWT11300	KWT	17.0	47.6	29.2	0.68	0.60	145	A883	A884	2	
			47.6	29.2	0.68	0.60	145	A887	A882	2	

			1		2		3		4		5	
13			46.3		47.1		48.3		48.5		47.4	
14			28.3		30.0		29.8		28.5		29.0	
16	22	63.1	0.3	0.8	2.7	2.9	3.4	3.5	1.6	2.0	3.2	3.4
16	26	63.1	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6
16	30	63.2	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6
16	34	63.2	1.0	1.7	3.5	4.0	4.2	4.6	2.4	3.0	4.1	4.6
16	38	63.3	0.8	1.5	3.2	3.7	3.9	4.4	2.2	2.8	3.9	4.4

17		46.3	47.1	48.3	48.5	47.4		
18		28.3	30.0	29.8	28.5	29.0		
19		C	E	E	C	C		
20		0	0	0	0	0		
21	22	84.0	0.9	2.1	2.7	1.6	3.6	
21	26	84.0	3.8	5.0	5.6	4.5	6.5	
21	30	84.0	3.8	5.0	5.6	4.5	6.5	
21	34	84.0	3.8	5.0	5.6	4.5	6.5	
21	38	84.0	3.8	5.0	5.6	4.5	6.5	

1	2	3	4	5	6	7	8	9	10	11	12
LAO28400	LAO	74.0	103.7	18.1	2.16	0.78	133	A883	A884	1	
			103.7	18.1	2.16	0.78	133	A887	A882	1	

			1		2		3		4		5		6	
13			100.0		102.0		104.5		101.0		105.5		107.5	
14			20.5		22.5		20.0		17.6		14.0		14.5	
16	02	63.8	4.2	3.9	3.2	3.1	5.2	4.6	3.5	3.3	4.2	3.9	5.9	5.0
16	04	63.9	4.6	4.3	3.2	3.2	5.0	4.6	3.5	3.5	4.2	4.0	5.9	5.2
16	06	63.8	4.2	4.0	3.2	3.2	5.2	4.7	3.5	3.5	4.2	4.0	5.9	5.2
16	08	63.8	4.6	4.3	3.2	3.2	5.2	4.7	3.5	3.5	4.3	4.1	6.0	5.3
16	10	63.9	3.3	3.2	-0.9	-0.4	3.6	3.4	3.4	3.3	4.3	3.9	6.0	5.1

17		100.0	102.0	104.5	101.0	105.5	107.5	
18		20.5	22.5	20.0	17.6	14.0	14.5	
19		N	N	N	N	N	N	
20		0	0	0	0	0	0	
21	02	84.0	1.5	0.4	0.9	-0.4	0.7	1.4
21	04	84.0	2.1	1.0	1.5	0.2	1.3	1.9
21	06	84.0	2.1	1.1	1.6	0.2	1.3	2.0
21	08	84.0	2.1	1.1	1.6	0.2	1.3	2.0
21	10	84.0	1.4	0.4	0.9	-0.4	0.6	1.3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LBN27900	LBN	11.0	35.8	33.9	0.60	0.60	0	A883	A884	2	
			35.8	33.9	0.60	0.60	0	A887	A882	1	

			1		2		3		4	
13			35.4		35.3		36.2		36.8	
14			33.7		33.0		33.7		34.5	
16	03	61.6	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7
16	07	61.7	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7
16	11	61.7	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7
16	15	61.8	0.9	1.9	0.0	1.0	1.0	2.0	-0.3	0.7
16	19	61.8	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7

17		35.4	35.3	36.2	36.8		
18		33.7	33.0	33.7	34.5		
19		E	E	E	K		
20		0	0	0	0		
21	03	84.0	15.9	14.2	15.9	14.3	
21	07	84.0	15.9	14.2	15.9	14.3	
21	11	84.0	15.9	14.2	15.9	14.3	
21	15	84.0	15.9	14.2	15.9	14.3	
21	19	84.0	15.9	14.2	15.9	14.3	

1	2	3	4	5	6	7	8	9	10	11	12
LBR24400	LBR	-31.0	-9.3	6.6	1.22	0.70	133	A883	A884	1	
			-9.3	6.6	1.22	0.70	133	A887	A882	2	

			1		2		3		4		5		6	
13			-10.2		-8.6		-7.4		-7.4		-9.8		-11.5	
14			8.5		7.6		5.7		4.5		5.1		6.9	
16	03	63.3	3.8	3.5	4.3	3.9	5.8	4.9	5.5	4.7	5.5	4.7	4.2	3.8
16	07	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.4	4.6	5.4	4.6	4.1	3.7
16	11	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.4	4.6	5.4	4.6	4.2	3.8
16	15	63.4	3.8	3.5	4.3	3.9	5.8	4.9	5.4	4.6	5.4	4.6	4.2	3.8

17		-10.2	-8.6	-7.4	-7.4	-9.8	-11.5	
18		8.5	7.6	5.7	4.5	5.1	6.9	
19		N	N	P	P	N	N	
20		0	0	0	0	0	0	
21	03	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6
21	07	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6
21	11	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6
21	15	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LBY28000	LBY	-25.0	21.4 17.5	26.0 26.3	2.50 3.68	1.04, 1.84	119 130	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			18.0		24.0		25.0		25.2		22.0		20.0	
15			22.5		19.5		20.0		32.0		33.0		32.5	
16	01	63.5	5.7	5.3	6.0	5.5	6.7	6.0	4.9	4.7	4.7	4.6	5.7	5.3
16	05	63.5	4.2	3.7	4.8	4.1	5.3	4.5	3.9	3.5	3.8	3.4	4.5	3.9
16	09	63.6	4.2	3.7	4.8	4.1	5.4	4.5	3.9	3.5	3.8	3.4	4.6	4.0
16	13	63.6	4.2	3.7	4.8	4.1	5.4	4.5	3.9	3.5	3.8	3.4	4.6	4.0
16	17	63.7	4.3	3.8	4.9	4.2	5.5	4.6	4.0	3.6	3.9	3.5	4.6	4.0
17			25.0		24.5		23.6		17.2		12.3		10.1	
18			31.5		26.3		18.5		21.4		22.4		24.5	
19			E		C		C		A		A		A	
20			0		0		0		0		0		0	
21	01	84.0	1.0		2.3		1.2		2.8		1.7		1.3	
21	05	84.0	-0.9		0.3		-0.8		0.9		-0.3		-0.6	
21	09	84.0	-0.9		0.3		-0.8		0.9		-0.3		-0.6	
21	13	84.0	-0.9		0.4		-0.7		0.9		-0.3		-0.6	
21	17	84.0	-0.9		0.4		-0.7		0.9		-0.3		-0.6	

13																
14																
15																
16																
16																
16																
16																
16																
17			25.0		24.5		23.6		17.2		12.3		10.1		9.6	11.5
18			31.5		26.3		18.5		21.4		22.4		24.5		30.2	33.0
19			E		C		C		A		A		A		C	E
20			0		0		0		0		0		0		0	0
21	01	84.0	1.0		2.3		1.2		2.8		1.7		1.3		1.6	1.6
21	05	84.0	-0.9		0.3		-0.8		0.9		-0.3		-0.6		-0.3	-0.3
21	09	84.0	-0.9		0.3		-0.8		0.9		-0.3		-0.6		-0.3	-0.3
21	13	84.0	-0.9		0.4		-0.7		0.9		-0.3		-0.6		-0.3	-0.3
21	17	84.0	-0.9		0.4		-0.7		0.9		-0.3		-0.6		-0.3	-0.3

1	2	3	4	5	6	7	8	9	10	11	12
LBY32100	LBY	-25.0	13.1 17.5	27.2 26.3	2.36 3.68	1.12 1.84	129 130	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			18.0		14.0		10.0		9.2		9.2		11.4	
15			22.5		22.5		24.5		26.5		30.0		33.5	
16	03	63.0	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	07	63.1	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	11	63.1	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	15	63.2	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	19	63.3	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.4	2.5
17			25.0		24.5		23.6		17.2		12.3		10.1	
18			31.5		26.3		18.5		21.4		22.4		24.5	
19			E		C		C		A		A		A	
20			0		0		0		0		0		0	
21	03	84.0	0.0		1.3		0.2		1.8		0.7		0.3	
21	07	84.0	0.0		1.3		0.2		1.8		0.7		0.3	
21	11	84.0	0.0		1.3		0.2		1.8		0.7		0.3	
21	15	84.0	0.0		1.3		0.2		1.8		0.7		0.3	
21	19	84.0	0.0		1.3		0.2		1.8		0.7		0.3	

13																
14																
15																
16																
16																
16																
16																
16																
17			25.0		24.5		23.6		17.2		12.3		10.1		9.6	11.5
18			31.5		26.3		18.5		21.4		22.4		24.5		30.2	33.0
19			E		C		C		A		A		A		C	E
20			0		0		0		0		0		0		0	0
21	03	84.0	0.0		1.3		0.2		1.8		0.7		0.3		0.6	0.6
21	07	84.0	0.0		1.3		0.2		1.8		0.7		0.3		0.6	0.6
21	11	84.0	0.0		1.3		0.2		1.8		0.7		0.3		0.6	0.6
21	15	84.0	0.0		1.3		0.2		1.8		0.7		0.3		0.6	0.6
21	19	84.0	0.0		1.3		0.2		1.8		0.7		0.3		0.6	0.6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LIE25300	LIE	-37.0	9.5 9.5	47.1 47.1	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	1 2	

			1		2		3		4	
13										
14			9.5		9.5		9.6		9.6	
15			47.2		47.0		47.0		47.1	
16	03	62.4	0.7	1.3	0.9	1.5	0.9	1.5	0.8	1.4
16	07	62.5	0.7	1.3	1.0	1.6	0.9	1.5	0.8	1.4
16	11	62.5	0.7	1.3	1.0	1.6	1.0	1.6	0.8	1.4
16	15	62.6	0.7	1.3	1.0	1.6	1.0	1.6	0.8	1.4
16	19	62.6	0.7	1.3	1.0	1.6	1.0	1.6	0.9	1.5
17			9.5							
18			47.1							
19			H							
20			0							
21	03	84.0	2.0							
21	07	84.0	2.0							
21	11	84.0	2.0							
21	15	84.0	2.0							
21	19	84.0	2.0							

1	2	3	4	5	6	7	8	9	10	11	12
LSO30500	LSO	5.0	27.8 27.8	-29.8 -29.8	0.66 0.66	0.60 0.60	36 36	A883 A887	A884 A882	1 2	

			1		2		3		4		5	
13												
14			27.0		28.5		29.5		28.0		29.3	
15			-29.8		-28.5		-29.4		-30.5		-30.0	
16	24	64.2	3.0	3.5	1.0	1.7	0.8	1.5	3.1	3.6	1.7	2.3
16	28	64.2	3.4	3.9	1.5	2.1	1.3	2.0	3.6	4.0	2.1	2.7
16	32	64.3	3.4	3.9	1.5	2.1	1.3	2.0	3.6	4.0	2.1	2.7
16	36	64.3	2.7	3.2	0.7	1.4	0.5	1.2	2.9	3.4	1.4	2.1
16	40	64.4	5.1	5.3	3.1	3.6	2.8	3.3	5.2	5.4	3.6	4.1
17			27.0		28.5		29.5		28.0		29.3	
18			-29.8		-28.5		-29.4		-30.5		-30.0	
19			E		E		E		E		E	
20			0		0		0		0		0	
21	24	84.0	6.3		3.6		3.2		6.6		4.4	
21	28	84.0	6.4		3.6		3.2		6.6		4.4	
21	32	84.0	6.4		3.6		3.2		6.6		4.4	
21	36	84.0	6.3		3.6		3.2		6.6		4.4	
21	40	84.0	6.4		3.7		3.3		6.7		4.5	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LUX11400	LUX	-19.0	6.0	49.8	0.68	0.68	0	A883	A884	1	
			6.0	49.8	0.68	0.68	0	A887	A882	2	

			1		2		3		4		5		6	
13			6.0		3.9		4.8		7.0		6.5		6.0	
14			49.7		49.5		47.6		48.5		49.8		50.1	
16	03	62.9	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	07	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	11	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	15	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	19	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1

			1	2	3	4	5	6
17			6.0	3.9	4.8	7.0	6.5	6.0
18			49.7	49.5	47.6	48.5	49.8	50.1
19			E	H	H	H	E	E
20			0	0	0	0	0	0
21	03	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	07	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	11	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	15	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	19	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2

1	2	3	4	5	6	7	8	9	10	11	12
MAU24200	MAU	29.0	59.8	-18.9	1.62	1.24	55	A883	A884	1	
			59.8	-18.9	1.62	1.24	55	A887	A882	1	

			1		2		3		4		5		6	
13			55.0		62.0		65.0		60.0		56.0		58.0	
14			-18.0		-16.0		-20.0		-14.0		-20.0		-16.0	
16	02	64.0	5.6	5.9	14.0	11.6	15.2	12.1	5.1	5.5	8.7	8.4	7.3	7.3
16	06	64.0	5.6	5.9	14.0	11.6	15.1	12.0	5.1	5.5	8.7	8.4	7.3	7.3
16	10	64.1	5.6	5.9	14.1	11.6	15.4	12.2	5.1	5.5	8.8	8.5	7.4	7.4
16	14	64.1	5.7	6.0	14.5	11.8	16.2	12.4	5.2	5.6	8.9	8.5	7.5	7.5
16	18	64.2	5.7	6.2	14.4	12.7	16.0	13.5	5.2	5.8	8.8	8.9	7.4	7.7

			55.0	62.0	65.0	60.0	56.0	58.0
17			-18.0	-16.0	-20.0	-14.0	-20.0	-16.0
18			N	N	N	N	N	N
19			0	0	0	0	0	0
20	02	84.0	4.3	6.4	4.2	4.2	6.0	6.3
21	06	84.0	4.3	6.4	4.2	4.2	6.0	6.3
21	10	84.0	4.3	6.4	4.2	4.2	6.0	6.3
21	14	84.0	4.3	6.4	4.2	4.2	6.0	6.3
21	18	84.0	6.2	8.3	6.1	6.0	7.8	8.2

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MAU24300	MAU	29.0	56.8	-13.9	1.56	1.38	65	A883	A884	1	
			56.8	-13.9	1.56	1.38	65	A887	A882	1	

			1		2		3		4		5		6	
13			56.0		58.0		62.0		55.0		53.0		60.0	
14			-10.0		-10.0		-14.0		-18.0		-15.0		-17.0	
16	04	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.4	7.7	6.1	6.0	11.7	9.7
16	08	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0	11.7	9.7
16	12	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0	11.7	9.7
16	16	63.9	8.3	7.7	9.3	8.3	10.7	9.2	8.5	7.8	6.2	6.1	11.8	9.7

			56.0	58.0	62.0	55.0	53.0	60.0
17			-10.0	-10.0	-14.0	-18.0	-15.0	-17.0
18			N	N	N	N	N	N
19			0	0	0	0	0	0
20	04	84.0	4.0	3.7	2.7	3.1	4.1	3.8
21	08	84.0	4.0	3.7	2.7	3.1	4.1	3.8
21	12	84.0	4.0	3.7	2.7	3.1	4.1	3.8
21	16	84.0	4.0	3.7	2.7	3.1	4.1	3.8

1	2	3	4	5	6	7	8	9	10	11	12
MCO11600	MCO	-37.0	7.4	43.7	0.60	0.60	0	A883	A884	1	
			7.4	43.7	0.60	0.60	0	A887	A882	2	

			1		2		3		4		5		6	
13			4.0		5.0		5.6		10.0		10.0		12.0	
14			42.0		41.5		46.0		43.5		46.0		45.0	
16	21	62.4	-2.1	-1.3	-2.1	-1.3	-9.5	-8.5	-2.8	-2.0	-4.2	-3.3	-4.8	-3.9
16	25	62.5	-1.3	-0.5	-1.5	-0.7	-8.7	-7.7	-2.6	-1.8	-3.9	-3.0	-4.7	-3.8
16	29	62.5	-1.2	-0.6	-1.5	-0.8	-8.5	-7.6	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0
16	33	62.6	-1.2	-0.6	-1.5	-0.8	-8.6	-7.7	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0
16	37	62.6	-1.3	-0.7	-1.5	-0.8	-8.8	-7.9	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0

			7.4
17			43.7
18			L
19			0
20	21	83.0	1.8
21	25	83.0	2.2
21	29	83.0	0.3
21	33	83.0	0.3
21	37	83.0	0.3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MDG23600	MDG	29.0	46.6	-18.8	2.72	1.14	65	A883	A884	2	
			46.2	-18.6	2.57	0.80	67	A887	A882	2	

			1		2		3		4		5		6	
13														
14			49.0		49.2		46.3		43.4		44.0		46.2	
15			-12.3		-18.0		-21.2		-23.2		-18.0		-15.4	
16	01	63.4	12.4	11.4	12.8	11.7	15.3	13.0	15.0	12.9	13.4	12.0	14.0	12.4
16	05	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	09	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	13	63.5	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	17	63.5	8.0	7.3	9.6	8.4	12.9	10.0	12.6	9.9	10.6	8.9	11.1	9.2
17			49.0		49.2		46.3		43.4		44.0		46.2	
18			-12.3		-18.0		-21.2		-23.2		-18.0		-15.4	
19			P		P		P		P		P		P	
20			0		0		0		0		0		0	
21	01	84.0	8.2		5.8		10.6		8.6		6.5		10.2	
21	05	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	09	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	13	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	17	84.0	4.7		2.3		7.1		5.2		3.1		6.7	

1	2	3	4	5	6	7	8	9	10	11	12
MLA22700	MLA	86.0	102.1	4.1	1.62	0.82	135	A883	A884	1	
			102.1	4.1	1.62	0.82	135	A887	A882	1	

			1		2		3		4		5		6	
13														
14			102.6		105.4		103.8		101.3		98.8		99.8	
15			6.2		2.2		1.2		2.6		6.2		6.8	
16	16	63.2	7.8	6.9	6.9	6.3	7.6	6.7	9.3	7.8	9.7	8.0	9.8	8.0
16	18	63.3	6.5	5.4	0.7	1.0	-1.1	-0.5	3.0	2.9	8.4	6.5	8.0	6.3
16	20	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.4	8.3	7.5	7.9	7.2
16	22	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.4	8.4	7.5	7.9	7.2
16	24	63.4	7.6	7.0	1.0	1.6	-1.0	-0.3	3.3	3.6	9.8	8.4	9.2	8.1
17			102.6		105.4		103.8		101.3		98.8		99.8	
18			6.2		2.2		1.2		2.6		6.2		6.8	
19			P		P		P		P		P		P	
20			0		0		0		0		0		0	
21	16	84.0	1.3		1.9		2.3		1.9		1.8		2.7	
21	18	84.0	-0.4		0.2		0.6		0.2		0.1		1.0	
21	20	84.0	2.1		2.8		3.1		2.8		2.7		3.5	
21	22	84.0	2.1		2.8		3.1		2.8		2.7		3.5	
21	24	84.0	2.2		2.8		3.2		2.8		2.7		3.6	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLA22800	MLA	86.0	114.1	3.9	2.34	1.12	45	A883	A884	1	
			114.1	3.9	2.34	1.12	45	A887	A882	1	

			1		2		3		4		5	
13												
14			109.0		117.0		119.5		113.6		110.2	
15			2.4		7.0		5.2		1.0		0.6	
16	02	63.6	3.4	3.5	9.6	7.7	9.5	7.6	9.0	7.4	4.5	4.4
16	04	63.7	3.4	3.4	9.7	7.4	9.6	7.4	9.1	7.1	4.5	4.2
16	06	63.6	3.4	3.4	9.6	7.4	9.5	7.3	9.0	7.1	4.5	4.2
16	08	63.7	3.5	3.5	9.8	7.5	9.8	7.5	9.4	7.3	4.6	4.3
17			109.0		117.0		119.5		113.6		110.2	
18			2.4		7.0		5.2		1.0		0.6	
19			P		P		P		P		P	
20			0		0		0		0		0	
21	02	84.0	1.0		2.9		0.8		2.2		2.5	
21	04	84.0	0.4		2.3		0.2		1.6		1.9	
21	06	84.0	0.4		2.3		0.2		1.6		1.9	
21	08	84.0	0.4		2.3		0.2		1.6		1.9	

1	2	3	4	5	6	7	8	9	10	11	12
MLD30600	MLD	44.0	73.1	6.0	0.96	0.60	90	A883	A884	1	
			73.1	6.0	0.96	0.60	90	A887	A882	1	

			1		2		3		4		5		6	
13														
14			71.0		71.0		75.0		75.0		73.0		73.0	
15			5.0		7.5		5.0		7.0		3.0		8.0	
16	12	63.7	4.4	4.8	2.3	2.9	4.5	4.8	4.3	4.7	5.1	5.4	5.8	5.9
16	16	63.7	6.2	6.3	4.6	5.0	6.4	6.5	6.4	6.5	6.8	6.8	8.4	8.0
17			73.1											
18			6.0											
19			N											
20			0											
21	12	84.0	3.4											
21	16	84.0	3.6											

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLI32700	MLI	-37.0	-2.0	19.0	2.66	1.26	127	A883	A884	1	
			-2.0	19.0	2.66	1.26	127	A887	A882	2	

			1		2		3		4		5	
13			-2.0		2.8		-2.5		-5.4		-5.4	
14			19.0		20.0		23.3		21.6		17.6	
15												
16	02	63.3	11.4	6.8	9.7	6.3	8.5	5.8	11.4	6.8	10.6	6.6
16	06	63.2	11.4	6.8	9.6	6.2	8.4	5.7	11.3	6.8	10.6	6.6
16	10	63.3	11.4	6.8	9.6	6.2	8.4	5.7	11.3	6.8	10.6	6.6
16	14	63.4	11.4	6.8	9.7	6.3	8.5	5.8	11.3	6.8	10.6	6.6
16	18	63.4	11.5	6.8	9.6	6.2	8.5	5.8	11.4	6.8	10.6	6.6

17		-2.0	2.8	-2.5	-5.4	-5.4	
18		19.0	20.0	23.3	21.6	17.6	
19		C	C	A	C	E	
20		0	0	0	0	0	
21	02	87.0	1.7	-1.8	0.0	0.4	-1.0
21	06	87.0	1.7	-1.8	0.0	0.4	-1.0
21	10	87.0	1.7	-1.8	0.0	0.4	-1.0
21	14	87.0	1.7	-1.8	0.0	0.4	-1.0
21	18	87.0	1.7	-1.8	0.0	0.4	-1.0

1	2	3	4	5	6	7	8	9	10	11	12
MLI32800	MLI	-37.0	-7.6	13.2	1.74	1.24	171	A883	A884	1	
			-7.6	13.2	1.74	1.24	171	A887	A882	2	

			1		2		3		4		5		6	
13			-12.0		-12.0		-8.3		-4.0		-5.1		-10.0	
14			15.0		13.8		11.0		13.4		13.6		15.5	
15														
16	04	63.8	3.1	2.6	3.2	2.7	4.4	3.5	5.1	3.9	5.7	4.3	4.3	3.4
16	08	63.8	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	12	63.8	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	16	63.9	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	20	63.9	2.0	2.1	2.7	2.6	5.4	4.6	2.6	2.5	3.7	3.4	3.5	3.2

17		-12.0	-12.0	-8.3	-4.0	-5.1	-10.0	
18		15.0	13.8	11.0	13.4	13.6	15.5	
19		K	K	N	K	K	K	
20		0	0	0	0	0	0	
21	04	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2
21	08	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2
21	12	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2
21	16	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2
21	20	87.0	-0.8	0.1	0.4	1.0	1.6	-0.1

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLT14700	MLT	-13.0	14.3	35.9	0.60	0.60	0	A883	A884	1	
			14.3	35.9	0.60	0.60	0	A887	A882	1	

			1	
13			14.4	
14			35.9	
15				
16	04	61.0	0.3	1.2
16	08	61.0	0.3	1.3
16	12	61.1	0.3	1.3
16	16	61.2	0.4	1.4

17		14.4	
18		35.9	
19		K	
20		0	
21	04	84.0	7.2
21	08	84.0	11.0
21	12	84.0	11.0
21	16	84.0	11.0

1	2	3	4	5	6	7	8	9	10	11	12
MNG24800	MNG	74.0	102.2	46.6	3.60	1.13	169	A883	A884	1	2.
			107.5	47.8	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13			98.8		118.9		110.0		103.4		95.0		87.9	
14			51.9		47.4		43.2		42.3		43.2		48.9	
15														
16	25	64.1	-1.6	-0.8	5.6	5.5	7.5	7.0	6.5	6.2	4.5	4.7	1.5	2.1
16	29	64.2	2.1	0.9	8.7	3.6	9.8	3.8	8.5	3.5	5.8	2.7	2.0	0.8
16	33	64.2	1.1	-0.3	8.2	2.4	9.0	2.5	7.7	2.3	5.3	1.6	1.1	-0.3
16	37	64.3	3.1	3.6	9.4	8.5	10.1	8.9	8.7	8.0	6.0	6.0	2.6	3.1
16	39	64.3	-2.0	-1.2	-1.2	-0.4	1.5	2.1	3.0	3.4	4.0	4.3	1.6	2.2

17		98.8	118.9	110.0	103.4	96.0	87.9	
18		51.9	47.4	43.2	42.3	43.2	48.9	
19		E	F	K	C	C	E	
20		0	0	0	0	0	0	
21	25	89.0	11.1	12.4	13.8	15.0	12.7	2.2
21	29	89.0	3.7	5.0	6.4	7.6	5.3	-5.2
21	33	89.0	2.3	3.6	5.0	6.1	3.9	-6.6
21	37	89.0	11.9	13.1	14.6	15.7	13.4	3.0
21	39	89.0	11.4	12.6	14.1	15.2	12.9	2.5

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MTN22300	MTN	-37.0	-12.2	18.5	2.62	1.87	150	A883	A884	1	
			-12.2	18.5	2.62	1.87	150	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-15.7		-12.0		-5.6		-5.2		-12.0		-16.3	
15			24.0		23.4		20.0		15.3		14.4		16.0	
16	22	62.8	7.7	6.7	8.1	6.9	7.7	6.7	0.1	0.7	3.8	3.8	5.6	5.2
16	26	62.9	7.5	6.5	7.9	6.8	7.8	6.7	0.2	0.8	3.8	3.8	5.6	5.2
16	30	62.9	7.5	5.8	7.9	6.0	7.8	6.0	0.2	0.6	3.8	3.5	5.6	4.7
16	34	63.0	7.5	5.8	7.9	6.0	7.8	6.0	0.2	0.6	3.8	3.5	5.6	4.7
16	38	63.0	4.0	3.6	3.6	3.3	5.2	4.4	0.1	0.5	3.8	3.4	5.5	4.6
17			-15.7		-12.0		-5.6		-12.0		-16.3			
18			24.0		23.4		20.0		14.4		16.0			
19			E		A		C		K		K			
20			0		0		0		0		0			
21	22	86.0	0.9		1.6		1.3		2.3		2.0			
21	26	86.0	0.9		1.7		1.3		2.3		2.0			
21	30	86.0	-0.8		-0.1		-0.5		0.5		0.2			
21	34	86.0	-0.8		-0.1		-0.5		0.5		0.2			
21	38	86.0	-0.9		-0.2		-0.6		0.5		0.2			

1	2	3	4	5	6	7	8	9	10	11	12
MTN28800	MTN	-37.0	-7.8	23.4	1.63	1.10	141	A883	A884	1	
			-7.8	23.4	1.63	1.10	141	A887	A882	2	

			1		2		3		4	
13										
14			-5.6		-12.0		-8.4		-4.5	
15			20.0		23.4		27.2		25.0	
16	24	63.0	3.4	3.8	7.5	7.0	5.9	5.8	5.9	5.8
16	28	63.0	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	32	63.1	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	36	63.1	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	40	63.2	4.3	5.2	11.6	12.2	8.6	9.4	7.1	8.0
17			-5.6		-12.0		-8.4		-4.5	
18			20.0		23.4		27.2		25.0	
19			C		A		C		A	
20			0		0		0		0	
21	24	86.0	2.7		2.7		2.5		2.8	
21	28	86.0	2.1		2.1		1.9		2.2	
21	32	86.0	2.1		2.1		1.9		2.2	
21	36	86.0	2.1		2.1		1.9		2.2	
21	40	86.0	13.3		13.3		13.2		13.5	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MWI30800	MWI	-1.0	34.1	-13.0	1.54	0.60	87	A883	A884	2	
			34.1	-13.0	1.54	0.60	87	A887	A882	2	

			1		2		3		4		5		6	
13														
14			32.8		34.0		34.6		35.8		35.2		32.0	
15			-9.3		-9.8		-11.0		-14.8		-17.2		-13.0	
16	24	64.2	10.2	7.9	11.5	8.4	12.5	8.8	11.9	8.6	10.1	7.8	10.1	7.8
16	28	64.3	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	32	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	36	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	40	64.5	10.9	8.2	12.3	8.8	13.4	9.2	14.2	9.4	14.6	9.5	11.6	8.5
17			32.8		34.0		34.6		35.8		35.2		32.0	
18			-9.3		-9.8		-11.0		-14.8		-17.2		-13.0	
19			J		J		J		J		J		J	
20			0		0		0		0		0		0	
21	24	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	28	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	32	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	36	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	40	84.0	3.7		5.1		5.7		4.1		3.8		0.7	

1	2	3	4	5	6	7	8	9	10	11	12
NGR11500	NGR	-25.0	8.3	16.8	2.54	2.08	44	A883	A884	2	
			8.3	16.8	2.54	2.08	44	A887	A882	2	

			1		2		3		4		5		6	
13														
14			2.1		4.2		12.0		15.6		13.0		8.0	
15			13.5		19.1		23.5		20.0		13.0		17.0	
16	24	64.5	7.5	7.7	8.4	8.5	8.0	8.1	6.8	7.1	4.1	4.7	11.8	11.0
16	28	64.5	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	32	64.6	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	36	64.7	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	40	64.7	9.9	9.7	10.1	9.8	9.7	9.5	7.8	8.0	4.7	5.3	14.4	12.5
17			2.1		4.2		12.0		15.6		13.0		8.0	
18			13.5		19.1		23.5		20.0		13.0		17.0	
19			K		C		A		C		K		C	
20			0		0		0		0		0		0	
21	24	85.0	7.0		7.0		5.8		6.9		5.6		9.1	
21	28	85.0	7.0		7.0		5.8		6.9		5.6		9.1	
21	32	85.0	7.0		7.0		5.8		6.9		5.6		9.1	
21	36	85.0	7.0		7.0		5.8		6.9		5.6		9.1	
21	40	85.0	7.1		7.0		5.9		7.0		5.7		9.2	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NOR12000	NOR	5.0	13.1 17.0	64.1 61.5	1.84 2.00	0.88 1.00	10 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			29.0		25.0		14.0		11.6		7.6		5.0	
15			69.0		68.7		64.0		59.0		58.0		60.0	
16	14	65.0	8.8	9.0	9.6	9.7	8.3	8.6	2.1	2.9	1.5	2.3	4.0	4.7
16	18	65.0	9.0	9.2	9.6	9.7	8.2	8.5	2.0	2.8	1.3	2.2	3.9	4.6
16	38	67.0	10.6	9.8	12.2	10.8	14.3	11.9	9.2	8.9	9.4	9.0	11.1	10.2
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	14	84.0	7.9	9.0	9.7	6.9	6.9	9.5	8.1	8.4	7.3	8.3		
21	18	84.0	7.9	9.0	9.7	6.9	6.9	9.5	8.1	8.4	7.3	8.3		
21	38	84.0	5.6	6.8	7.5	4.7	4.6	7.3	5.9	6.2	5.0	6.1		

1	2	3	4	5	6	7	8	9	10	11	12
NOR12100	NOR	5.0	17.0 17.0	61.5 61.5	2.00 2.00	1.00 1.00	10 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			28.9		30.6		24.9		18.4		15.0		8.3	
15			69.0		64.1		60.1		57.6		55.0		55.0	
16	28	66.8	7.6	4.2	6.3	3.7	6.6	3.8	5.6	3.4	2.3	1.5	3.7	2.4
16	32	66.9	7.6	4.2	6.3	3.7	6.6	3.8	5.6	3.4	2.3	1.5	3.7	2.4
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	28	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.2	-3.4	-2.4		
21	32	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.2	-3.4	-2.4		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NPL12200	NPL	50.0	83.7 83.7	28.3 28.3	1.72 1.72	0.60 0.60	163 163	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			80.2		82.0		84.2		88.0		88.0		83.0	
15			28.8		30.1		29.1		27.9		26.5		27.5	
16	17	64.6	3.8	4.8	3.3	4.3	8.3	9.2	6.0	7.0	3.0	4.0	7.8	8.7
16	19	64.6	3.7	4.2	2.9	3.5	7.5	7.5	5.4	5.7	2.5	3.1	7.2	7.2
16	21	64.6	4.4	4.9	3.5	4.1	8.5	8.2	5.8	6.1	2.8	3.4	8.3	8.1
17			80.2	82.0	84.2	88.0	88.0	83.0						
18			28.8	30.1	29.1	27.9	26.5	27.5						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	17	84.0	19.4	17.8	18.5	18.9	17.6	18.4						
21	19	84.0	6.1	4.4	5.2	5.5	4.2	5.0						
21	21	84.0	6.1	4.4	5.2	5.5	4.2	5.0						

1	2	3	4	5	6	7	8	9	10	11	12
NRU30900	NRU	134.0	167.0 167.0	-0.5 -0.5	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	2 2	

			1		2		3		4		5	
13												
14			167.0		167.0		166.0		167.0		166.9	
15			-0.5		-0.5		-2.0		-2.0		-0.5	
16	03	62.5	15.2	16.2	15.2	16.2	9.9	10.9	11.2	12.2	15.2	16.2
16	07	62.6	15.3	16.3	15.3	16.3	9.9	10.9	11.2	12.2	15.2	16.2
16	11	62.6	15.3	16.3	15.3	16.3	9.9	10.9	11.2	12.2	15.2	16.2
16	15	62.7	15.5	16.5	15.5	16.5	10.2	11.2	11.5	12.5	15.5	16.5
17			167.0									
18			-0.5									
19			N									
20			0									
21	03	84.0	31.6									
21	07	84.0	31.6									
21	11	84.0	31.6									
21	15	84.0	31.6									

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NZL05500	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR1
			172.3	-39.7	2.88	1.56	47	A887	A882	1	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	01	63.3	16.7	15.5	16.5	15.4	16.1	15.2	17.1	15.8
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	01	84.0	10.0	10.6	9.6	10.2				

1	2	3	4	5	6	7	8	9	10	11	12
NZL05501	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR1
			172.3	-39.7	2.88	1.56	47	A887	A882	1	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	05	63.4	15.4	13.3	15.3	13.2	15.2	13.2	16.1	13.6
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	13	84.0	6.6	7.3	6.2	6.8				

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NZL05502	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR3
			172.3	-39.7	2.88	1.56	47	A887	A882	1	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	09	63.4	15.5	13.3	15.4	13.2	15.2	13.1	16.1	13.6
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	09	84.0	6.6	7.2	6.1	6.7				

1	2	3	4	5	6	7	8	9	10	11	12
NZL05503	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR2
			172.3	-39.7	2.88	1.56	47	A887	A882	1	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	13	63.5	0.0	0.9	0.1	1.0	-0.6	0.3	-0.6	0.3
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	05	84.0	6.6	7.2	6.2	6.8				

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NZL28700	NZL	128.0	173.0	-41.0	3.30	1.28	48	A883	A884	1	
			173.0	-41.0	3.30	1.28	48	A887	A882	2	

13			1		2		3		4		5				
14			171.8		175.9		166.3		180.0		175.0				
15			-34.1		-44.3		-45.5		-40.0		-47.0				
16	13	64.8	1.5	2.1	2.8	3.3	1.3	1.9	3.0	3.4	2.8	3.3			
16	17	64.8	15.0	11.0	14.9	11.0	12.0	9.8	16.0	11.3	14.1	10.7			
16	21	64.9	15.3	11.1	15.1	11.1	12.1	9.9	16.3	11.4	14.3	10.8			
17			171.8	175.9	166.3	180.0	175.0								
18			-34.1	-44.3	-45.5	-40.0	-47.0								
19			K	K	K	K	K								
20			0	0	0	0	0								
21	13	84.0	3.4	4.4	2.6	3.3	4.0								
21	17	84.0	3.5	4.5	2.7	3.4	4.1								
21	21	84.0	3.5	4.5	2.7	3.4	4.1								

1	2	3	4	5	6	7	8	9	10	11	12
CKH05200	NZL	158.0	-161.0	-19.8	1.02	0.64	132	A883	A884	2	8/GR3
			-161.0	-19.8	1.02	0.64	132	A887	A882	2	

13			1		2		3		4		5				
14			-163.5		-158.5		-157.2		-157.6		-160.0				
15			-17.5		-19.4		-20.0		-22.0		-21.3				
16	02	64.7	15.0	11.9	16.3	12.4	15.3	12.1	17.6	12.8	18.6	13.0			
16	06	64.6	14.9	11.9	16.2	12.4	15.2	12.0	17.6	12.8	18.5	13.0			
16	10	64.7	14.9	11.9	16.2	12.4	15.2	12.0	17.6	12.8	18.5	13.0			
16	14	64.8	14.9	11.9	16.2	12.4	15.2	12.0	17.5	12.8	18.5	13.0			
17			-163.5	-158.5	-157.2	-157.6	-160.0								
18			-17.5	-19.4	-20.0	-22.0	-21.3								
19			D	D	D	D	D								
20			0	0	0	0	0								
21	02	84.0	7.0	5.2	4.1	7.1	8.4								
21	06	84.0	7.0	5.2	4.1	7.1	8.4								
21	10	84.0	7.0	5.2	4.1	7.1	8.4								
21	14	84.0	7.0	5.2	4.1	7.1	8.4								

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CKH05300	NZL	158.0	-163.0	-11.2	1.76	0.72	30	A883	A884	2	8/GR4
			-161.0	-19.8	1.00	0.60	132	A887	A882	2	

13			1		2		3		4		5				
14			-158.0		-163.1		-165.0		-166.0		-165.0				
15			-9.0		-13.5		-12.5		-11.0		-10.5				
16	04	64.4	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.6	7.5			
16	08	64.3	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.5	7.4			
16	12	64.4	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.5	7.4			
17			-161.8	-159.7	-157.9	-156.9	-160.1	-162.3	-163.9	-164.5					
18			-17.6	-18.6	-19.9	-22.1	-22.0	-21.0	-19.7	-17.6					
19			D	D	D	D	D	D	D	D					
20			0	0	0	0	0	0	0	0					
21	04	84.0	5.2	4.1	4.9	6.2	5.2	4.2	5.0	6.4					
21	08	84.0	5.2	4.1	4.9	6.2	5.2	4.2	5.0	6.4					
21	12	84.0	5.2	4.1	4.9	6.2	5.2	4.2	5.0	6.4					

1	2	3	4	5	6	7	8	9	10	11	12
CKH05301	NZL	158.0	-163.0	-11.2	1.76	0.72	30	A883	A884	2	
			-161.0	-19.8	1.02	0.64	132	A887	A882	2	

13			1		2		3		4		5				
14			-158.0		-163.1		-165.0		-166.0		-165.0				
15			-9.0		-13.5		-12.5		-11.0		-10.5				
16	16	64.5	3.7	4.2	4.3	4.8	8.3	8.1	8.0	7.8	7.9	7.8			
17			-163.5	-158.5	-157.2	-157.6	-160.0								
18			-17.5	-19.4	-20.0	-22.0	-21.3								
19			D	D	D	D	D								
20			0	0	0	0	0								
21	16	84.0	7.0	5.3	4.1	7.2	8.4								

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NIU05400	NZL	158.0	-169.8	-19.0	0.60	0.60	0	A883	A884	2	8/GR2
			-169.8	-19.0	0.60	0.60	0	A887	A882	2	

13			1		
14			-169.9		
15			-19.0		
16	19	64.1	27.4	26.7	
16	23	64.1	27.3	26.6	
17			-169.9		
18			-19.0		
19			N		
20			0		
21	19	84.0	21.5		
21	23	84.0	21.5		

1	2	3	4	5	6	7	8	9	10	11	12
TKL05800	NZL	158.0	-171.8	-8.9	0.70	0.60	35	A883	A884	1	8/GR2
			-171.8	-8.9	0.70	0.60	35	A887	A882	1	

13			1		2		3	
14			-172.4		-171.2		-172.1	
15			-8.6		-9.5		-9.2	
16	20	63.8	26.7	25.8	25.6	25.1	26.8	25.9
16	24	63.9	26.9	26.0	25.8	25.2	27.1	26.1
17			-172.4	-171.2	-172.1			
18			-8.6	-9.5	-9.2			
19			N	N	N			
20			0	0	0			
21	20	84.0	21.2	20.4	22.4			
21	24	84.0	21.2	20.4	22.4			

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
OMA12300	OMA	17.0	55.6	21.0	1.88	1.02	100	A883	A884	2	
			55.6	21.0	1.88	1.02	100	A887	A882	2	

13			1		2		3		4		5		6		
14			52.0		53.0		58.0		60.0		56.0		55.1		
15			19.0		17.0		19.0		22.5		26.5		22.5		
16	24	63.3	3.6	3.6	5.8	5.3	5.0	4.7	2.5	2.7	0.0	0.5	3.3	3.4	
16	28	63.3	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.0	0.7	4.8	4.9	
16	32	63.4	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.8	1.4	4.6	4.7	
16	36	63.4	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.0	0.7	4.8	4.9	
16	40	63.5	5.4	6.1	7.4	7.9	8.7	9.0	5.9	6.5	2.3	3.1	7.1	7.6	
17			52.7	52.0	52.0	57.9	55.0	59.8	55.7	55.5	56.5	58.9			
18			17.0	18.7	19.0	19.0	20.0	22.3	22.5	25.0	26.4	20.3			
19			C	C	C	E	C	E	C	C	C	C			
20			75	600	150	0	100	0	100	300	0	0			
21	24	86.0	1.3	0.9	0.9	2.0	4.4	0.5	4.2	2.3	1.3	1.2			
21	28	86.0	2.8	2.5	2.5	3.6	5.9	2.0	5.8	3.9	2.8	2.8			
21	32	86.0	2.8	2.5	2.5	3.6	5.9	2.0	5.8	3.9	2.8	2.8			
21	36	86.0	2.8	2.5	2.5	3.6	5.9	2.0	5.8	3.9	2.8	2.8			
21	40	86.0	8.0	7.7	7.7	8.8	11.2	7.3	11.0	9.1	8.1	8.0			

1	2	3	4	5	6	7	8	9	10	11	12
PAK12700	PAK	38.0	69.6	29.5	2.30	2.16	14	A883	A884	1	
			69.6	29.5	2.30	2.16	14	A887	A882	1	

13			1		2		3		4		5		6		
14			70.0		74.5		75.0		74.5		71.7		66.5		
15			34.0		35.7		32.3		30.8		28.4		30.9		
16	02	63.9	4.7	5.6	1.8	2.8	4.2	5.2	5.4	6.3	7.8	8.7	8.0	8.9	
16	06	64.0	4.7	5.6	1.8	2.8	4.3	5.2	5.4	6.3	7.8	8.7	8.0	8.9	
16	10	64.0	4.8	5.7	1.8	2.8	4.3	5.3	5.4	6.3	7.9	8.8	8.1	9.0	
17			70.0	74.5	75.0	74.5	71.7	66.5							
18			34.0	35.7	32.3	30.8	28.4	30.9							
19			C	E	E	E	E	E							
20			0	0	0	0	0	0							
21	02	84.0	15.6	14.7	16.0	16.2	16.7	16.3							
21	06	84.0	14.5	13.6	14.9	15.1	15.6	15.2							
21	10	84.0	15.9	15.1	16.3	16.6	17.1	16.7							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK21000	PAK	38.0	72.1 72.1	30.8 30.8	1.16 1.16	0.72 0.72	90 90	A883 A887	A884 A882	1 1	

			1	2	3	4	5	6
13			75.2	70.1	72.3	73.7	71.8	70.4
14			32.2	27.8	33.7	33.9	28.0	31.3
15			-0.1 0.8	0.1 1.0	-1.4 -0.5	-0.6 0.3	-0.6 0.3	1.6 2.5
16	12	63.5	1.5 2.5	6.2 7.2	2.0 3.0	2.1 3.1	5.1 6.1	4.5 5.5
16	14	63.6						
17			75.2	70.1	72.3	73.7	71.8	70.4
18			32.2	27.8	33.7	33.9	28.0	31.3
19			E	E	E	E	E	
20			0	0	0	0	0	
21	12	84.0	7.2	8.5	8.0	8.7	8.4	8.1
21	14	84.0	17.8	19.1	18.6	19.4	19.0	18.8

1	2	3	4	5	6	7	8	9	10	11	12
PAK28100	PAK	38.0	65.2 65.2	27.9 27.9	1.52 1.52	1.42 1.42	28 28	A883 A887	A884 A882	1 1	

			1	2	3	4	5	6
13			69.5	61.8	61.3	66.8	69.3	66.4
14			32.2	25.2	29.5	25.0	28.6	30.5
15			2.5 3.4	6.4 7.2	7.2 8.0	8.8 9.5	5.6 6.5	8.6 9.3
16	18	63.0	2.8 3.7	13.5 13.9	13.0 13.5	12.5 13.0	6.1 7.0	9.8 10.5
16	22	63.1						
17			69.5	61.8	61.3	66.8	69.3	66.4
18			32.2	25.2	29.5	25.0	28.6	30.5
19			E	E	E	E	E	E
20			0	0	0	0	0	0
21	18	84.0	11.8	13.3	12.1	12.6	13.4	14.1
21	22	84.0	13.0	14.4	13.2	13.8	14.5	15.2

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK28200	PAK	38.0	68.5 68.5	25.8 25.8	1.32 1.32	0.62 0.62	133 133	A883 A887	A884 A882	1 1	

			1	2	3	4	5
13			66.8	71.0	68.3	68.1	67.2
14			25.2	24.2	28.7	24.1	27.2
15			3.8 4.8	3.8 4.8	-1.0 0.0	5.4 6.4	2.9 3.9
16	20	63.3	2.5 3.5	3.3 4.3	-1.3 -0.3	4.2 5.2	2.2 3.2
16	24	63.4					
17			66.8	71.0	68.3	68.1	67.2
18			25.2	24.3	28.7	24.1	27.2
19			E	K	E	E	E
20			0	0	0	0	0
21	20	84.0	16.4	17.3	16.3	17.6	19.1
21	24	84.0	21.6	22.5	21.6	22.8	24.3

1	2	3	4	5	6	7	8	9	10	11	12
PAK28300	PAK	38.0	74.7 74.7	33.9 33.9	1.34 1.34	1.13 1.13	160 160	A883 A887	A884 A882	1 1	

			1	2	3	4	5	6
13			70.3	79.8	79.1	75.1	72.8	70.0
14			31.2	35.6	32.7	37.2	36.7	34.0
15			3.0 4.0	4.7 5.7	2.5 3.5	6.9 7.9	6.7 7.7	5.5 6.5
16	04	64.3	4.0	4.8 5.7	2.5 3.5	7.0 7.9	6.8 7.7	5.5 6.4
16	08	64.3						
17			70.3	79.8	75.1	72.8	70.0	79.0
18			31.2	35.6	37.2	36.7	34.0	32.5
19			E	C	C	E	C	E
20			0	0	0	0	0	0
21	04	84.0	19.8	20.5	20.1	19.8	20.2	19.7
21	08	84.0	13.7	14.3	13.9	13.7	14.0	13.5

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PHL28500	PHL	98.0	121.3	11.1	3.46	1.76	99	A883	A884	2	
			121.3	11.1	3.46	1.76	99	A887	A882	2	

			1		2		3		4		5		6	
13														
14			122.0		120.0		126.0		126.0		117.0		125.0	
15			21.0		5.0		6.0		11.0		7.5		15.0	
16	16	63.7	6.4	6.1	9.0	7.9	7.6	7.0	8.4	7.5	7.7	7.0	8.7	7.7
16	18	63.7	2.6	3.0	4.8	4.9	3.5	3.8	4.4	4.5	3.6	3.9	4.8	4.9
16	20	63.7	1.9	2.4	8.4	7.5	7.4	6.8	8.5	7.5	7.2	6.7	8.8	7.7
16	22	63.7	0.6	1.2	4.8	4.9	3.6	3.9	4.3	4.5	3.6	3.9	4.6	4.7
16	24	63.8	9.0	8.7	11.4	10.4	10.6	9.9	11.3	10.3	10.1	9.5	11.5	10.5

17		122.0	120.0	126.0	126.0	117.0	125.0	
18		21.0	5.0	6.0	11.0	7.5	15.0	
19		N	P	P	N	P	N	
20		0	0	0	0	0	0	
21	16	84.0	2.0	3.6	2.0	2.4	2.1	3.0
21	18	84.0	2.0	3.6	2.0	2.4	2.1	3.0
21	20	84.0	1.9	3.5	2.0	2.4	2.1	2.9
21	22	84.0	2.0	3.5	2.0	2.4	2.1	2.9
21	24	84.0	4.7	6.3	4.7	5.2	4.9	5.7

1	2	3	4	5	6	7	8	9	10	11	12
POL13200	POL	-1.0	19.3	51.8	1.46	0.64	162	A883	A884	2	
			17.2	51.8	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			14.4		15.0		20.0		22.9		24.1		23.3	
15			53.9		51.0		49.2		49.0		50.7		54.2	
16	01	64.1	2.5	2.0	2.8	2.2	1.8	1.5	0.0	0.1	2.7	2.2	2.5	2.0
16	05	64.2	-0.7	-0.6	0.7	0.5	1.2	0.9	-0.3	-0.3	2.2	1.6	1.2	0.9
16	09	64.2	-0.7	-0.6	0.7	0.5	1.2	0.9	-0.3	-0.3	2.2	1.6	1.2	0.9
16	13	64.3	0.3	0.2	1.6	1.2	1.4	1.0	-0.2	-0.2	2.4	1.7	3.1	2.2
16	17	64.3	0.4	0.3	1.6	1.2	1.5	1.1	-0.2	-0.2	2.5	1.8	3.6	2.5

17		14.2	14.9	19.9	24.1	23.3	
18		53.9	50.9	49.4	50.5	54.3	
19		E	H	K	H	H	
20		0	0	0	0	0	
21	01	86.0	-1.1	-0.4	-1.2	-2.6	-1.4
21	05	86.0	-1.8	-1.1	-1.9	-3.3	-2.0
21	09	86.0	-1.8	-1.1	-1.9	-3.3	-2.0
21	13	86.0	-1.8	-1.1	-1.8	-3.3	-2.0
21	17	86.0	-1.8	-1.1	-1.8	-3.3	-2.0

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
POR13300	POR	-31.0	-8.0	39.6	0.92	0.60	112	A883	A884	2	7.
			-8.0	39.6	0.92	0.60	112	A887	A882	1	

			1		2		3		4	
13										
14			-8.3		-6.2		-7.0		-7.5	
15			42.1		41.6		39.0		37.2	
16	03	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	07	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	11	63.5	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	15	63.6	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	19	63.6	-3.6	-2.7	-3.9	-3.0	-5.4	-4.5	-13.8	-12.8

17		-8.3	-6.2	-7.0	
18		42.1	41.6	39.0	
19		H	H	K	
20		0	0	0	
21	03	84.0	-0.1	-0.9	1.2
21	07	84.0	-0.1	-0.9	1.2
21	11	84.0	-0.1	-0.9	1.2
21	15	84.0	-0.1	-0.9	1.2
21	19	84.0	3.4	2.6	4.6

1	2	3	4	5	6	7	8	9	10	11	12
AZR13400	POR	-31.0	-23.4	36.1	2.56	0.70	158	A883	A884	2	7.
			-23.4	36.1	2.56	0.70	158	A887	A882	2	

			1		2		3		4		5	
13												
14			-25.1		-31.0		-27.3		-28.5		-16.9	
15			37.0		39.3		38.5		38.5		32.5	
16	03	63.0	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	07	63.1	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	11	63.1	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	15	63.2	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	19	63.2	-1.1	-0.3	-0.6	0.2	-0.9	-0.1	-0.4	0.4	-4.7	-3.8

17		-25.1	-31.0	-27.3	-28.5	-16.9	
18		37.0	39.3	38.5	38.5	32.5	
19		F	F	F	F	H	
20		0	0	0	0	0	
21	24	84.0	4.2	1.4	3.1	2.9	1.3
21	28	84.0	4.2	1.4	3.1	2.9	1.3
21	32	84.0	4.2	1.4	3.1	2.9	1.3
21	36	84.0	4.2	1.4	3.1	2.9	1.3
21	40	84.0	6.8	3.9	5.7	5.4	3.8

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
QAT24700	QAT	17.0	51.1	25.3	0.60	0.60	0	A883	A884	1	
			51.1	25.3	0.60	0.60	0	A887	A882	1	

			1		2		3		4					
13														
14			51.1		52.3		50.8		50.7					
15			26.2		24.8		24.7		25.3					
16	01	61.8	3.5	3.7	1.7	2.1	3.0	3.2	4.0	4.1				
16	05	61.8	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6				
16	09	61.9	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6				
16	13	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6				
16	17	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6				
17			51.1		52.3		50.8		50.7		52.3		51.5	52.4
18			26.2		24.8		24.7		25.3		26.2		24.5	25.7
19			C		C		C		C		C		C	C
20			0		0		0		0		0		0	0
21	01	84.0	2.5		1.2		3.6		4.7		2.0		2.1	2.2
21	05	84.0	-0.5		-1.8		0.7		1.7		-1.0		-0.9	-0.8
21	09	84.0	-0.5		-1.8		0.7		1.7		-1.0		-0.9	-0.8
21	13	84.0	-0.5		-1.8		0.7		1.7		-1.0		-0.9	-0.8
21	17	84.0	-0.5		-1.8		0.7		1.7		-1.0		-0.9	-0.8

1	2	3	4	5	6	7	8	9	10	11	12
ROU13600	ROU	-1.0	25.0	45.7	1.38	0.66	155	A883	A884	1	
			25.0	45.7	1.38	0.66	155	A887	A882	2	

			1		2		3		4		5		6	
13														
14			20.2		22.8		28.5		29.5		27.0		23.5	
15			46.1		43.8		43.7		44.8		48.0		48.0	
16	02	63.8	-1.3	-1.4	-0.1	-0.6	0.2	-0.3	0.5	-0.1	0.9	0.1	0.7	0.0
16	06	63.9	-1.3	-1.4	-0.1	-0.6	0.2	-0.3	0.5	-0.1	0.9	0.1	0.7	0.0
16	10	63.9	-1.3	-1.4	-0.1	-0.6	0.2	-0.3	0.5	-0.1	0.9	0.1	0.7	0.0
16	14	64.0	-1.2	-1.4	-0.1	-0.6	0.3	-0.3	0.5	-0.1	1.1	0.3	0.8	0.1
16	18	64.0	-1.2	-1.4	-0.1	-0.6	0.3	-0.3	0.5	-0.1	1.0	0.2	0.8	0.1
17			20.2		22.8		28.5		29.5		27.0		23.5	
18			46.1		43.8		43.7		44.8		48.0		48.0	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	02	84.0	-4.6		-5.0		-3.6		-4.0		-5.1		-2.9	
21	06	84.0	-4.6		-5.0		-3.6		-4.0		-5.1		-2.9	
21	10	84.0	-4.6		-5.0		-3.6		-4.0		-5.1		-2.9	
21	14	84.0	-4.6		-5.0		-3.6		-4.0		-5.1		-2.9	
21	18	84.0	-4.6		-5.0		-3.6		-4.0		-5.1		-2.9	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
RRW31000	RRW	11.0	30.0	-2.1	0.66	0.60	42	A883	A884	2	
			30.0	-2.1	0.66	0.60	42	A887	A882	1	

			1		2		3		4		5	
13												
14			30.3		29.0		29.8		31.0		30.5	
15			-1.0		-2.2		-2.5		-2.5		-2.5	
16	04	64.9	0.0	0.6	0.9	1.4	2.4	2.8	0.9	1.4	1.9	2.3
16	08	64.9	0.0	0.6	0.9	1.4	2.5	2.8	0.9	1.4	1.9	2.3
16	12	64.9	0.1	0.7	0.9	1.4	2.5	2.8	0.9	1.4	2.0	2.4
16	16	65.0	0.1	0.7	0.9	1.4	2.5	2.8	0.9	1.4	2.0	2.4
16	20	65.0	0.0	0.9	0.9	1.8	2.4	3.2	0.7	1.6	1.8	2.6
17			30.3		29.0		29.8		31.0		30.5	
18			-1.0		-2.2		-2.5		-2.5		-2.5	
19			K		K		K		K		K	
20			0		0		0		0		0	
21	04	84.0	1.4		2.2		4.4		1.6		3.3	
21	08	84.0	1.4		2.2		4.4		1.6		3.3	
21	12	84.0	1.4		2.2		4.4		1.6		3.3	
21	16	84.0	1.4		2.2		4.4		1.6		3.3	
21	20	84.0	7.0		7.8		10.0		7.2		8.9	

1	2	3	4	5	6	7	8	9	10	11	12
S 13800	S	5.0	16.2	61.0	1.04	0.98	14	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			13.3		19.0		11.0		20.8		12.0		20.1	
15			55.3		57.4		58.5		63.5		63.3		69.1	
16	04	67.1	3.4	4.1	2.3	3.1	4.6	5.2	3.8	4.5	3.8	4.5	1.9	2.7
16	08	67.1	3.4	4.1	2.3	3.1	4.6	5.2	3.8	4.5	3.8	4.5	1.9	2.7
16	34	67.4	4.5	5.0	7.1	7.3	8.8	8.6	13.1	11.4	11.8	10.7	12.0	10.8
17			12.5	10.0	10.8		6.0	23.6	18.1	21.1	24.0	29.8	27.0	
18			55.7	57.5	60.1		62.5	70.7	59.2	67.9	60.2	62.6	68.9	
19			E	E	G		J	C	E	C	E	E	C	
20			0	0	0		0	0	0	0	0	0	0	
21	04	84.0	7.2	8.4	9.1		6.3	6.2	8.9	7.5	7.8	6.6	7.7	
21	08	84.0	7.2	8.4	9.1		6.3	6.2	8.9	7.5	7.8	6.6	7.7	
21	34	84.0	5.8	7.0	7.7		4.9	4.8	7.5	6.0	6.4	5.2	6.3	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
S 13900	S	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

13			1		2		3		4		5		6			
14			8.3		15.1		19.0		27.2		4.7		28.3			
15			55.0		55.0		57.4		60.2		59.2		71.2			
16	30	67.1	5.8	6.1	3.5	4.1	7.9	7.9	10.5	9.8	9.4	9.0	10.1	9.5		
16	40	68.2	6.8	4.0	6.3	3.8	8.3	4.5	6.9	4.0	8.5	4.6	8.6	4.6		
17			12.5		10.0		10.8		6.0		23.6		18.1		21.1	
18			55.7		57.5		60.1		62.5		70.7		59.2		67.9	
19			E		E		G		J		C		E		C	
20			0		0		0		0		0		0		0	
21	30	84.0	5.6		6.7		7.4		4.7		4.6		7.3		5.8	
21	40	84.0	-2.8		-1.6		-0.9		-3.7		-3.7		-1.1		-2.5	

13			1		2		3		4		5		6			
14			36.0		34.0		30.0		23.0		23.5		30.0			
15			4.6		8.5		10.0		11.0		8.7		4.0			
16	23	64.4	3.6	3.6	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7		
16	27	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7		
16	31	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7		
16	35	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7		
16	39	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7		
17			36.0		34.0		30.0		23.0		28.2		30.5		32.6	
18			4.6		8.5		10.0		10.7		4.2		3.6		15.6	
19			J		J		K		K		N		K		C	
20			0		0		0		0		0		0		0	
21	23	84.0	0.6		2.3		3.3		0.9		0.9		0.9		0.7	
21	27	84.0	0.6		2.3		3.3		0.9		0.9		0.9		0.7	
21	31	84.0	0.6		2.3		3.3		0.9		0.9		0.9		0.7	
21	35	84.0	0.6		2.3		3.3		0.9		0.9		0.9		0.7	
21	39	84.0	0.6		2.3		3.3		0.9		0.9		0.9		0.7	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SDN23100	SDN	-7.0	28.9	12.7	2.26	1.96	159	A883	A884	1	
			29.9	12.9	2.64	2.08	155	A887	A882	2	

13			1		2		3		4		5		6			
14			34.0		36.8		32.0		23.0		22.0		23.0			
15			8.5		16.0		16.0		15.6		13.0		10.7			
16	22	63.5	-1.6	-0.8	-1.0	-0.2	1.7	2.3	2.1	2.7	1.1	1.8	1.1	1.8		
16	26	63.5	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8		
16	30	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8		
16	34	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8		
16	38	63.7	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8		
17			34.0		36.8		32.6		23.0		23.0		23.5		30.0	
18			8.5		16.0		15.6		15.6		13.0		10.7		10.0	
19			J		C		C		C		K		N		K	
20			0		0		0		0		0		0		0	
21	22	84.0	3.5		3.3		4.7		3.4		3.9		3.6		5.0	
21	26	84.0	3.5		3.3		4.7		3.4		3.9		3.6		5.0	
21	30	84.0	3.5		3.3		4.7		3.4		3.9		3.6		5.0	
21	34	84.0	3.5		3.3		4.7		3.4		3.9		3.6		5.0	
21	38	84.0	3.5		3.3		4.7		3.4		3.9		3.6		5.0	

1	2	3	4	5	6	7	8	9	10	11	12
SDN23200	SDN	-7.0	30.4	19.0	2.44	1.52	176	A883	A884	1	
			29.6	18.4	2.54	2.09	167	A887	A882	2	

13			1		2		3		4		5		6			
14			36.8		38.5		35.5		25.0		24.0		32.0			
15			16.0		18.0		23.0		22.0		15.8		16.0			
16	24	63.3	2.7	3.0	4.8	4.8	3.9	4.0	1.1	1.6	-0.1	0.5	2.6	2.9		
16	28	63.3	2.8	3.1	4.9	4.8	4.0	4.1	1.2	1.7	-0.1	0.5	2.7	3.0		
16	32	63.4	2.8	3.1	4.9	4.8	4.0	4.1	1.2	1.7	-0.1	0.5	2.7	3.0		
16	36	63.4	2.8	3.1	4.9	4.8	4.0	4.1	1.2	1.7	-0.1	0.5	2.7	3.0		
16	40	63.5	3.3	3.5	5.8	5.5	5.3	5.2	1.8	2.3	0.0	0.6	3.0	3.3		
17			36.8		38.5		35.5		25.0		24.0		23.0		32.6	
18			16.0		18.0		23.0		22.0		20.0		15.6		15.6	
19			C		C		A		A		C		E		E	
20			0		0		0		0		0		0		0	
21	24	84.0	1.6		1.6		1.5		1.9		2.5		1.9		2.8	
21	28	84.0	1.6		1.6		1.5		1.9		2.5		1.9		2.8	
21	32	84.0	1.6		1.6		1.5		1.9		2.5		1.9		2.8	
21	36	84.0	1.6		1.6		1.5		1.9		2.5		1.9		2.8	
21	40	84.0	1.6		1.6		1.5		1.9		2.5		1.9		2.8	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SEN22200	SEN	-37.0	-14.4	13.8	1.46	1.04	139	A883	A884	2	
			-14.4	13.8	1.46	1.04	139	A887	A882	1	

			1		2		3		4		5		6	
			-16.5		-15.0		-12.7		-12.0		-16.3		-17.7	
			16.0		16.3		14.8		12.5		12.7		14.8	
29	63.7	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3
33	63.8	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3
37	63.9	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3

	-13.4	-16.1	-16.1	-16.2	-16.2	-16.2	-16.6	-15.1	-13.2	-17.3
	13.5	15.4	14.1	12.4	14.4	14.2	14.5	15.2	15.4	14.4
	K	K	K	N	K	K	N	K	K	N
	0	0	0	0	0	0	0	0	0	0
29 85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6
33 85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6
37 85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6

1	2	3	4	5	6	7	8	9	10	11	12
SM005700	SMO	158.0	-172.3	-13.7	0.60	0.60	0	A883	A884	1	
			-172.3	-13.7	0.60	0.60	0	A887	A882	1	

			1		2		3		4	
		-172.5		-171.3		-172.0		-171.0		
		-13.6		-14.0		-13.8		-14.1		
03	63.7	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4	
07	63.7	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4	
11	63.8	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4	
15	63.8	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4	

	-172.5	-171.3	-172.0	-171.0	
	-13.6	-14.0	-13.8	-14.1	
	N	N	N	N	
	0	0	0	0	
03 84.0	5.4	3.2	5.4	2.2	
07 84.0	5.4	3.2	5.4	2.2	
11 84.0	5.4	3.2	5.4	2.2	
15 84.0	5.4	3.3	5.4	2.2	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SMR31100	SMR	-37.0	12.6	43.7	0.60	0.60	0	A883	A884	1	
			12.5	43.9	0.60	0.60	0	A887	A882	2	

			1		2	
			12.3		12.0	
			43.5		43.0	
01	62.4	0.7	0.9	0.3	0.6	
05	62.5	0.3	0.5	0.0	0.2	
09	62.5	0.3	0.5	0.0	0.2	
13	62.6	0.3	0.5	0.0	0.2	
17	62.7	0.3	0.5	0.0	0.2	

		12.3	12.0	
		43.5	43.0	
		K	K	
		0	0	
01	83.0	0.2	-1.1	
05	83.0	-0.7	-2.0	
09	83.0	-0.7	-2.0	
13	83.0	-0.7	-2.0	
17	83.0	-0.7	-2.0	

1	2	3	4	5	6	7	8	9	10	11	12
SOM31200	SOM	23.0	45.0	6.4	3.26	1.54	71	A883	A884	1	
			45.0	6.4	3.26	1.54	71	A887	A882	2	

			1		2		3		4		5	
			43.2		50.4		45.2		42.0		44.4	
			11.2		11.5		2.0		-1.0		9.5	
03	62.3	4.5	4.7	5.0	5.1	7.8	7.2	5.9	5.8	7.0	6.7	
07	62.4	4.5	4.7	5.0	5.1	7.8	7.2	5.9	5.8	7.0	6.7	
11	62.4	4.5	4.7	5.0	5.1	7.8	7.2	5.9	5.8	7.0	6.7	
15	62.5	4.5	4.7	5.0	5.1	7.9	7.3	6.0	5.9	7.0	6.7	
19	62.6	7.3	6.9	8.2	7.5	10.1	8.7	7.3	6.9	10.0	8.6	

	43.2	50.4	45.2	42.0	44.4	
	11.2	11.5	2.0	-1.0	9.5	
	E	E	E	J	E	
	0	0	0	0	0	
02 84.0	2.4	2.7	4.2	3.1	4.5	
06 84.0	2.4	2.7	4.2	3.1	4.5	
10 84.0	2.4	2.7	4.2	3.1	4.5	
14 84.0	2.4	2.7	4.2	3.1	4.5	
18 84.0	2.4	2.6	4.2	3.1	4.5	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SRL25900	SRL	-31.0	-11.8	8.6	0.78	0.68	114	A883	A884	1	
			-11.8	8.6	0.78	0.68	114	A887	A882	2	

			1		2		3		4	
13										
14			-13.2		-11.7		-11.7		-10.5	
15			8.5		7.0		10.0		8.5	
16	23	63.4	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
16	27	63.5	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
16	31	63.6	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
16	35	63.6	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
16	39	63.7	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
17			-13.2	-11.7	-11.7	-10.5				
18			8.5	7.0	10.0	8.5				
19			N	N	N	N				
20			0	0	0	0				
21	23	84.0	0.5	0.2	0.9	0.9				
21	27	84.0	0.5	0.2	0.9	0.9				
21	31	84.0	0.5	0.2	0.9	0.9				
21	35	84.0	0.5	0.2	0.9	0.9				
21	39	84.0	0.5	0.2	0.9	0.9				

1	2	3	4	5	6	7	8	9	10	11	12
SUI14000	SUI	-19.0	8.2	46.6	0.98	0.70	171	A883	A884	2	9.
			8.2	46.6	0.98	0.70	171	A887	A882	1	

			1		2		3		4		5		6	
13														
14			6.0		6.9		8.5		10.4		9.0		7.1	
15			46.1		47.3		47.8		46.9		45.7		45.9	
16	22	64.1	1.8	2.4	1.4	2.0	1.5	2.1	1.5	2.1	2.0	2.5	2.3	2.8
16	26	64.1	1.8	2.4	1.5	2.1	1.6	2.2	1.5	2.1	2.0	2.5	2.3	2.8
16	30	64.2	1.9	2.4	1.6	2.2	1.7	2.3	1.6	2.2	2.1	2.6	2.4	2.9
16	34	64.3	2.3	2.8	2.2	2.7	2.2	2.7	1.8	2.4	2.2	2.7	2.7	3.2
16	38	64.3	2.2	2.7	2.2	2.7	2.5	3.0	2.1	2.6	2.4	2.9	2.7	3.2
17			6.0	6.9	8.5	10.4	9.0	7.1						
18			46.1	47.3	47.8	46.9	45.7	45.9						
19			H	H	H	H	K	H						
20			0	0	0	0	0	0						
21	22	84.0	2.5	2.6	2.5	2.5	2.7	3.1						
21	26	84.0	2.5	2.6	2.5	2.5	2.7	3.1						
21	30	84.0	2.5	2.6	2.5	2.5	2.7	3.1						
21	34	84.0	2.5	2.6	2.5	2.5	2.7	3.1						
21	38	84.0	2.5	2.6	2.5	2.6	2.7	3.1						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SWZ31300	SWZ	-1.0	31.5	-26.5	0.62	0.60	66	A883	A884	1	
			31.5	-26.5	0.62	0.60	66	A887	A882	2	

			1		2		3		4		5	
13												
14			31.9		31.1		31.3		30.8		31.9	
15			-26.7		-25.9		-26.5		-26.6		-26.5	
16	01	62.9	8.0	6.9	6.8	6.1	7.8	6.8	6.8	6.1	8.0	6.9
16	05	62.9	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6
16	09	62.9	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6
16	13	63.0	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6
16	17	63.0	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6
17			31.9	31.1	31.3	30.8	31.9					
18			-26.7	-25.9	-26.5	-26.6	-26.5					
19			K	E	E	K	K					
20			0	0	0	0	0					
21	01	82.0	1.9	1.6	1.9	1.1	1.9					
21	05	82.0	1.9	1.5	1.9	1.1	1.9					
21	09	82.0	1.9	1.5	1.9	1.1	1.9					
21	13	82.0	1.9	1.5	1.9	1.1	1.9					
21	17	82.0	1.9	1.5	1.9	1.1	1.9					

1	2	3	4	5	6	7	8	9	10	11	12
SYR22900	SYR	11.0	38.3	34.9	1.04	0.90	7	A883	A884	1	
			38.3	34.9	1.04	0.90	7	A887	A882	2	

			1		2		3		4		5		6	
13														
14			42.2		41.0		36.9		35.6		35.9		38.3	
15			37.2		34.3		32.4		33.0		35.7		37.0	
16	22	63.2	4.2	2.9	3.9	2.7	2.3	1.7	1.9	1.4	1.5	1.1	3.7	2.6
16	26	63.3	3.7	2.6	4.1	2.9	2.2	1.6	1.7	1.3	1.4	1.1	3.5	2.5
16	30	63.3	3.7	2.6	4.2	2.9	2.2	1.6	1.8	1.3	1.4	1.1	3.5	2.5
16	34	63.4	4.2	2.9	4.2	2.9	2.3	1.7	1.8	1.3	1.4	1.1	3.5	2.5
17			42.2	41.0	36.9	35.6	35.9	38.3	36.5	35.9				
18			37.2	34.3	32.4	33.0	35.7	37.0	34.0	34.5				
19			K	K	E	E	K	K	E	K				
20			0	0	0	0	0	0	0	0				
21	22	84.0	-3.3	-2.2	-2.5	-2.1	-2.1	-2.0	-0.4	-1.0				
21	26	84.0	-3.2	-2.2	-2.5	-2.1	-2.1	-2.0	-0.4	-1.0				
21	30	84.0	-3.2	-2.2	-2.5	-2.1	-2.1	-2.0	-0.4	-1.0				
21	34	84.0	-3.2	-2.2	-2.5	-2.1	-2.1	-2.0	-0.4	-1.0				

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SYR33900	SYR	11.0	37.6	34.2	1.32	0.88	74	A883	A884	1	
			37.6	34.2	1.32	0.88	74	A887	A882	2	

			1		2		3		4		5		6	
13				42.0		37.5		35.0		35.0		36.0		38.0
14				37.5		31.0		31.5		33.0		36.0		37.0
15			2.8	1.7	1.4	0.8	2.0	1.2	1.4	0.8	0.0	-0.2	2.4	1.5
16	38	63.4												
17			42.0		37.5		35.0		35.0		36.0		38.0	
18			37.5		31.0		31.5		33.0		36.0		37.0	
19			K		E		E		K		K		E	
20			0		0		0		0		0		0	
21	38	84.0	-3.9		-3.6		-2.2		-2.4		-4.1		-2.6	
											-1.0		-2.3	

1	2	3	4	5	6	7	8	9	10	11	12
TCD14300	TCD	-13.0	18.1	15.5	3.40	1.72	107	A883	A884	2	
			18.1	15.5	3.40	1.72	107	A887	A882	2	

			1		2		3		4		5		6	
13				14.0		15.5		23.8		16.5		23.0		20.0
14				14.5		22.8		19.3		8.2		11.9		22.0
15			6.6	5.9	7.2	6.3	8.4	7.0	4.7	4.5	9.4	7.5	8.4	7.0
16	02	64.0	6.6	5.9	7.2	6.3	8.3	6.9	4.7	4.5	9.3	7.5	8.3	6.9
16	06	64.0	6.6	5.9	7.2	6.3	8.3	6.9	4.7	4.5	9.4	7.5	8.3	6.9
16	10	64.1	6.6	5.9	7.2	6.3	8.4	7.0	4.7	4.5	9.4	7.5	8.4	7.0
16	14	64.1	6.6	5.9	7.2	6.3	8.3	6.9	4.7	4.5	9.4	7.5	8.4	7.0
16	18	64.2	6.6	5.9	7.2	6.3	8.3	6.9	4.7	4.5	9.4	7.5	8.4	7.0
17			14.0		15.5		23.8		16.5		23.0		20.0	
18			14.5		22.8		19.3		8.2		11.9		22.0	
19			E		A		C		N		K		A	
20			0		0		0		0		0		0	
21	02	84.0	2.3		1.9		0.7		1.7		1.9		2.4	
21	06	84.0	2.3		1.9		0.7		1.7		1.9		2.4	
21	10	84.0	2.3		1.9		0.7		1.7		1.9		2.4	
21	14	84.0	2.3		1.9		0.7		1.7		1.9		2.4	
21	18	84.0	2.3		1.9		0.7		1.7		1.9		2.4	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TCH14400	TCH	-1.0	17.3	49.3	1.47	0.60	170	A883	A884	2	
			17.2	51.8	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13				12.1		14.1		22.2		17.7		19.7		14.3
14				50.3		48.6		48.4		47.7		50.3		51.0
15			-1.8	-1.4	-0.5	-0.2	-0.4	-0.2	0.6	0.7	-0.4	-0.2	-1.0	-0.7
16	03	63.8	-1.8	-1.4	-0.5	-0.2	-0.4	-0.2	0.6	0.7	-0.4	-0.2	-1.0	-0.7
16	07	63.9	-1.4	-1.0	-0.2	0.0	-0.4	-0.2	0.7	0.7	-0.3	-0.1	-0.5	-0.2
16	11	63.9	-1.5	-1.1	-0.2	0.0	-0.3	-0.1	0.7	0.7	-0.2	0.0	-0.5	-0.2
16	15	64.0	-1.5	-1.1	-0.2	0.0	-0.3	-0.1	0.7	0.7	-0.2	0.0	-0.5	-0.2
16	19	64.0												
17			12.1		15.2		22.0		22.1		13.8			
18			50.3		51.0		49.3		48.4		48.8			
19			H		H		K		K		H			
20			0		0		0		0		0			
21	03	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	07	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	11	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	15	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	19	84.0	-0.9		0.0		-1.7		-2.2		-0.4			

1	2	3	4	5	6	7	8	9	10	11	12
THA14200	THA	74.0	100.7	13.2	2.82	1.54	106	A883	A884	2	
			100.7	13.2	2.82	1.54	106	A887	A882	2	

			1		2		3		4		5		6	
13				99.5		97.3		97.8		101.6		105.4		103.7
14				20.5		18.5		7.4		5.5		14.3		18.6
15			1.9	2.4	5.2	5.2	5.9	5.8	5.9	5.8	1.2	1.8	0.6	1.2
16	01	63.7	0.4	0.7	3.9	3.5	3.3	3.1	3.3	3.1	-0.1	0.3	-0.7	-0.2
16	05	63.7	0.3	0.6	3.9	3.5	5.7	4.8	5.7	4.8	-0.1	0.3	-0.8	-0.3
16	09	63.7	5.0	5.2	8.3	7.8	10.1	9.0	5.5	5.6	2.8	3.3	4.4	4.7
16	13	63.8												
17			99.5		97.3		97.8		101.6		105.4		103.7	
18			20.5		18.5		7.4		5.5		14.3		18.6	
19			N		P		P		P		N		N	
20			0		0		0		0		0		0	
21	01	84.0	3.1		3.1		2.1		2.6		2.6		2.9	
21	05	84.0	0.1		0.1		-0.9		-0.4		-0.4		-0.1	
21	09	84.0	0.1		0.2		-0.8		-0.3		-0.4		-0.1	
21	13	84.0	4.0		4.1		3.1		3.6		3.5		3.9	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TON21500	TON	170.0	-174.7	-18.0	1.41	0.68	85	A883	A884	1	
			-174.7	-18.0	1.41	0.68	85	A887	A882	1	

			1		2		3		4		5	
13												
14			-175.6		-173.7		-174.0		-174.7		-175.2	
15			-15.6		-15.9		-18.6		-19.9		-21.1	
16	04	63.4	7.5	8.5	4.5	5.5	10.1	11.1	12.7	13.7	12.4	13.4
16	08	63.3	7.5	8.5	4.6	5.6	10.1	11.1	12.7	13.7	12.4	13.4
16	12	63.4	7.6	8.6	4.6	5.6	10.2	11.2	13.1	14.1	13.0	14.0
16	16	63.5	7.7	8.7	4.6	5.6	10.3	11.3	13.2	14.2	13.2	14.2

17		-175.6	-173.7	-174.0	-174.7	-175.2	
18		-15.6	-15.9	-18.6	-19.9	-21.1	
19		N	N	N	N	N	
20		0	0	0	0	0	
21	21	84.0	42.0	41.7	43.2	43.5	41.6
21	25	84.0	42.7	42.4	43.9	44.3	42.3
21	29	84.0	54.0	53.8	55.3	55.6	53.7
21	33	84.0	54.1	53.8	55.3	55.7	53.7

1	2	3	4	5	6	7	8	9	10	11	12
TUN15000	TUN	-25.0	9.5	33.5	1.88	0.72	135	A883	A884	1	
			9.5	33.5	1.88	0.72	135	A887	A882	2	

			1		2		3		4		5		6	
13														
14			9.0		12.0		7.0		10.0		7.0		12.0	
15			38.0		37.5		34.0		29.0		36.0		32.0	
16	22	63.8	5.2	5.9	3.6	4.4	8.1	8.5	6.3	6.9	7.3	7.8	9.5	9.7
16	26	63.9	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
16	30	63.9	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
16	34	64.0	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0

17		9.0	12.0	7.0	10.0	7.0	12.0
18		38.0	37.5	34.0	29.0	36.0	32.0
19		K	K	E	C	K	E
20		0	0	0	0	0	0
21	22	84.0	10.6	7.7	12.2	9.9	12.3	12.6
21	26	84.0	10.6	7.7	12.2	10.0	12.4	12.6
21	30	84.0	10.6	7.7	12.2	10.0	12.4	12.6
21	34	84.0	10.6	7.7	12.2	10.0	12.4	12.6

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TUN27200	TUN	-25.0	2.5	32.0	3.59	1.75	175	A883	A884	1	
			2.5	32.0	3.59	1.75	175	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-10.0		-5.0		10.0		15.0		10.0		-5.0	
15			30.0		36.0		38.0		33.0		28.0		29.5	
16	38	61.9	-1.1	-0.2	2.6	3.3	3.5	4.2	7.1	7.4	4.3	4.9	1.3	2.1

17		-10.0	-5.0	10.0	15.0	10.0	-5.0
18		30.0	36.0	38.0	33.0	28.0	29.5
19		E	K	K	E	C	C
20		0	0	0	0	0	0
21	38	84.0	6.1	6.6	5.6	7.0	6.4	7.8

1	2	3	4	5	6	7	8	9	10	11	12
TUR14500	TUR	5.0	34.4	38.9	2.68	1.04	168	A883	A884	1	
			34.3	39.0	3.13	1.38	168	A887	A882	2	

			1		2		3		4		5		6	
13														
14			26.5		36.0		27.2		44.5		42.7		35.0	
15			41.6		36.0		37.0		37.6		41.5		42.0	
16	01	63.7	2.7	3.3	7.1	7.2	3.7	4.3	0.6	1.4	-1.7	-0.8	2.4	3.1
16	05	63.8	0.3	1.0	6.3	6.3	3.2	3.7	0.4	1.1	-1.8	-1.0	2.0	2.6
16	09	63.8	0.3	1.0	6.3	6.3	3.2	3.7	0.4	1.1	-1.8	-1.0	2.0	2.6
16	13	63.9	0.3	1.0	6.4	6.4	3.3	3.8	0.4	1.1	-1.8	-1.0	2.1	2.7
16	17	63.9	0.3	1.0	6.5	6.5	3.3	3.8	0.5	1.2	-1.6	-0.8	2.2	2.8

17		44.8	44.8	36.2	32.8	27.4	25.7	26.6	35.0	42.8	26.3
18		39.7	37.2	35.9	36.0	36.7	40.2	42.0	42.1	41.7	38.3
19		K	K	K	K	L	L	K	K	K	L
20		0	0	0	10	10	0	0	0	0	0
21	01	84.0	4.7	4.4	5.4	5.2	4.8	5.1	4.7	5.3	4.6	5.2
21	05	84.0	3.4	3.1	4.1	3.8	3.5	3.8	3.4	4.0	3.2	3.9
21	09	84.0	3.4	3.1	4.1	3.8	3.5	3.8	3.4	4.0	3.2	3.9
21	13	84.0	3.5	3.1	4.2	3.9	3.6	3.9	3.5	4.0	3.3	4.0
21	17	84.0	3.5	3.2	4.2	3.9	3.6	3.9	3.5	4.1	3.3	4.0

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TZA22500	TZA	11.0	34.6	-6.2	2.41	1.72	129	A883	A884	1	
			34.6	-6.2	2.41	1.72	129	A887	A882	2	

			1		2		3		4		5		6	
13														
14			30.5		34.0		40.0		40.0		35.0		30.0	
15			-1.0		-1.0		-5.0		-10.5		-11.5		-6.0	
16	23	63.7	2.8	2.7	4.7	4.2	8.1	6.2	9.1	6.7	5.6	4.8	4.1	3.7
16	27	63.8	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	31	63.8	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	35	63.9	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	39	63.9	2.7	2.2	4.6	3.5	8.0	5.3	9.0	5.7	5.6	4.1	4.1	3.2
17			30.5		34.0		40.0	40.0	35.0		30.0			
18			-1.0		-1.0		-5.0	-10.5	-11.5		-6.0			
19			K		K		J	J	J		K			
20			0		0		0	0	0		0			
21	01	84.0	0.1		0.2		-0.6	0.2	0.0		0.8			
21	05	84.0	-1.6		-1.5		-2.3	-1.4	-1.7		-0.8			
21	09	84.0	-1.6		-1.5		-2.3	-1.4	-1.7		-0.8			
21	13	84.0	-1.6		-1.5		-2.3	-1.4	-1.7		-0.8			
21	17	84.0	-1.6		-1.5		-2.3	-1.4	-1.7		-0.8			

1	2	3	4	5	6	7	8	9	10	11	12
UAE27400	UAE	17.0	53.6	24.2	0.98	0.80	162	A883	A884	1	
			53.6	24.4	0.98	0.80	162	A887	A882	1	

			1		2		3		4		5		6	
13														
14			50.8		51.9		54.9		55.8		56.3		56.0	
15			24.6		23.0		22.4		24.0		25.4		26.0	
16	21	63.2	6.7	5.9	7.9	6.7	8.1	6.8	10.0	7.8	9.2	7.4	8.2	6.9
16	25	63.2	6.0	4.6	6.3	4.8	4.5	3.7	6.2	4.7	5.5	4.3	4.8	3.9
16	29	63.3	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2	4.8	3.9
16	33	63.3	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2	4.8	3.9
16	37	63.4	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2	4.8	3.9
17			52.3	50.8	51.9	55.1	56.1	56.4	56.6	56.2	55.0	54.4		
18			25.5	24.5	23.0	22.5	24.1	25.0	25.6	26.1	25.9	25.5		
19			C	C	C	C	C	C	C	C	C	C		
20			0	120	100	150	450	0	0	900	0	0		
21	21	84.0	2.8	2.0	2.2	0.7	2.5	2.2	1.4	1.0	2.3	3.3		
21	25	84.0	0.4	-0.3	-0.2	-1.7	0.1	-0.2	-1.0	-1.4	-0.1	0.9		
21	29	84.0	0.4	-0.3	-0.2	-1.7	0.1	-0.2	-1.0	-1.4	-0.1	0.9		
21	33	84.0	0.4	-0.3	-0.2	-1.7	0.1	-0.2	-1.0	-1.4	-0.1	0.9		
21	37	84.0	0.4	-0.3	-0.2	-1.7	0.1	-0.2	-1.0	-1.4	-0.1	0.9		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BLR06200	URS	23.0	27.8	52.6	1.08	0.72	1	A883	A884	2	2.
			29.5	51.4	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			23.5		23.4		26.5		30.5		32.8		30.9	
15			53.9		51.5		49.8		51.2		53.4		55.6	
16	21	64.8	4.3	2.1	3.0	1.5	4.0	2.0	6.7	3.1	5.4	2.6	4.5	2.2
17			33.0	39.7	38.6	34.1	23.5							
18			65.2	60.5	51.7	44.8	53.9							
19			C	C	E	K	H							
20			0	0	0	0	0							
21	21	89.0	-5.0	-4.9	-4.8	-4.6	-3.3							

1	2	3	4	5	6	7	8	9	10	11	12
BLR06201	URS	23.0	27.8	52.6	1.08	0.72	1	A883	A884	2	2.
			24.8	56.7	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			23.5		23.4		26.5		30.5		32.8		30.9	
15			53.9		51.5		49.8		51.2		53.4		55.6	
16	25	64.9	5.3	3.0	3.6	2.1	4.6	2.7	7.9	4.1	7.7	4.0	8.8	4.3
17			37.5	35.0	30.3									
18			69.3	56.9	49.0									
19			C	E	K									
20			0	0	0									
21	25	89.0	-4.2	-3.9	-3.7									

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
UKR06300	URS	23.0	31.2 29.5	48.4 51.4	2.32 2.00	0.96 2.00	172 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			28.1		40.2		22.1		23.6		30.9		34.0	
15			45.6		49.6		48.4		51.6		52.1		44.4	
16	29	64.6	4.1	2.5	9.4	4.6	0.0	-0.2	4.0	2.4	7.9	4.1	7.9	4.1
16	33	64.7	4.1	2.5	9.4	4.6	0.0	-0.2	4.0	2.4	7.9	4.1	7.9	4.1
16	37	64.7	4.1	2.5	9.3	4.6	0.0	-0.2	4.0	2.4	7.9	4.1	7.9	4.1
17			33.0		39.7		38.6		34.1					
18			63.2		60.5		51.7		44.8					
19			C		C		E		K					
20			0		0		0		0					
21	29	89.0	-3.5		-4.1		-3.9		-3.7					
21	33	89.0	-3.5		-4.1		-3.9		-3.7					
21	37	89.0	-3.5		-4.1		-3.9		-3.7					

1	2	3	4	5	6	7	8	9	10	11	12
URS05900	URS	23.0	36.0 47.2	47.0 40.9	3.70 2.00	1.43 2.00	153 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			22.0		19.9		22.0		27.9		28.7		48.8	
15			48.4		55.0		58.9		59.4		45.2		38.4	
16	27	65.2	-1.2	-0.2	5.6	6.5	6.1	6.9	8.3	9.0	2.9	3.8	6.9	7.7
17			52.5		57.8		56.0		43.9					
18			50.0		47.6		41.5		46.6					
19			E		E		C		E					
20			0		0		0		0					
21	27	89.0	11.4		11.4		11.5		11.6					

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.104

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS05901	URS	23.0	36.0 29.5	47.0 51.4	3.70 2.00	1.43 2.00	153 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			22.0		19.9		22.0		27.9		28.7		48.8	
15			48.4		55.0		58.9		59.4		45.2		38.4	
16	31	65.2	-1.2	-0.2	5.7	6.7	6.2	7.2	8.4	9.4	2.9	3.9	6.9	7.9
17			33.0		39.7		38.6		34.1					
18			63.2		60.5		51.7		44.8					
19			C		C		E		K					
20			0		0		0		0					
21	31	89.0	22.6		22.0		22.2		22.3					

1	2	3	4	5	6	7	8	9	10	11	12
URS05902	URS	23.0	36.0 37.7	47.0 55.8	3.70 2.00	1.43 2.00	153 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			22.0		19.9		22.0		27.9		28.7		48.8	
15			48.4		55.0		58.9		59.4		45.2		38.4	
16	35	65.3	-1.2	-0.2	5.7	6.7	6.1	7.1	8.8	9.8	2.9	3.9	7.1	8.1
16	39	65.3	-1.3	-0.3	5.9	6.9	6.3	7.3	8.7	9.7	2.9	3.9	7.0	8.0
17			61.6		48.9		41.2		34.5		29.3		27.7	
18			69.3		56.5		48.4		45.5		48.0		55.5	
19			A		C		E		K		K		E	
20			0		0		0		0		0		0	
21	35	89.0	22.4		22.7		23.0		23.1		23.0		22.9	
21	39	89.0	22.4		22.7		22.9		23.0		23.0		22.8	

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06000	URS	23.0	41.5 37.7	57.4 55.8	3.08 2.00	1.36 2.00	153 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13			28.3		27.7		32.7		39.1		43.6		53.3	
14			68.9		60.5		53.2		49.8		47.5		54.0	
16	04	66.7	-0.3	0.2	2.9	3.0	8.7	6.9	10.2	7.6	8.6	6.8	11.0	7.9
16	08	66.8	-0.3	0.2	2.9	3.0	8.8	6.9	10.2	7.6	8.7	6.9	11.1	8.0
16	12	66.9	5.8	5.1	4.9	4.5	8.8	6.9	10.3	7.6	8.7	6.9	11.4	8.1
16	16	66.9	5.9	5.2	5.0	4.6	8.9	7.0	10.4	7.7	8.9	7.0	13.1	8.6

17		61.6	48.9	41.2	34.5	29.3	27.7	34.1		
18		69.3	56.5	48.4	45.5	48.0	55.5	66.7		
19		A	C	E	K	K	E	C		
20		0	0	0	0	0	0	0		
21	04 89.0	0.1	0.4	0.6	0.7	0.7	0.5	0.2		
21	08 89.0	0.1	0.4	0.6	0.7	0.7	0.5	0.2		
21	12 89.0	0.1	0.4	0.7	0.8	0.7	0.6	0.3		
21	16 89.0	0.1	0.4	0.6	0.7	0.7	0.5	0.2		

1	2	3	4	5	6	7	8	9	10	11	12
URS06100	URS	23.0	24.7 24.8	56.6 56.7	0.88 2.00	0.64 2.00	12 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13			21.0		21.3		22.8		28.0		23.5		25.8	
14			56.8		55.3		54.4		59.4		59.2		54.1	
16	03	65.0	1.2	1.7	0.6	1.2	0.5	1.1	0.9	1.4	1.9	2.3	0.0	0.6
16	07	65.1	1.2	1.7	0.7	1.3	0.5	1.1	1.0	1.5	1.9	2.3	0.0	0.6
16	15	65.2	1.4	1.9	0.8	1.4	0.6	1.2	1.2	1.7	2.3	2.7	0.0	0.6
16	19	65.2	2.1	2.6	1.3	1.8	1.1	1.7	1.1	1.7	2.5	2.9	0.6	1.2
16	23	65.3	0.1	-3.2	-0.9	-3.6	-0.2	-3.3	3.1	-2.3	2.9	-2.4	-0.6	-3.5

17		37.5	35.0	30.3		
18		69.3	56.9	49.0		
19		C	E	K		
20		0	0	0		
21	03 89.0	1.5	1.9	2.0		
21	07 89.0	1.5	1.9	2.1		
21	15 89.0	1.6	1.9	2.1		
21	19 89.0	1.8	2.1	2.3		
21	23 89.0	-11.2	-10.9	-10.7		

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06101	URS	23.0	24.7 29.5	56.6 51.4	0.88 2.00	0.64 2.00	12 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13			21.0		21.3		22.8		28.0		23.5		25.8	
14			56.8		55.3		54.4		59.4		59.2		54.1	
16	11	65.1	1.3	1.8	0.7	1.3	0.6	1.2	1.1	1.6	2.0	2.4	0.0	0.6

17		33.0	39.7	38.6	34.1
18		63.2	60.5	51.7	44.8
19		C	C	E	K
20		0	0	0	0
21	11 89.0	2.1	1.5	1.7	1.9

1	2	3	4	5	6	7	8	9	10	11	12
URS06400	URS	23.0	45.6 47.2	40.8 40.9	2.16 2.00	0.60 2.00	163 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13			46.6		48.9		50.3		44.0		41.5		40.0	
14			38.8		38.4		40.3		40.0		41.5		43.4	
16	01	63.9	1.4	2.3	2.1	3.0	3.1	4.0	1.3	2.2	1.5	2.4	0.7	1.6
16	05	63.9	0.6	1.4	1.2	1.9	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	09	64.0	0.6	1.4	1.2	1.9	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	13	64.1	0.6	1.4	1.2	1.9	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	17	64.1	0.7	1.5	1.4	2.1	2.5	3.2	0.6	1.4	0.6	1.4	-0.2	0.6

17		52.5	57.8	56.0	43.9
18		50.0	47.6	41.5	46.6
19		E	E	C	E
20		0	0	0	0
21	01 89.0	10.5	10.5	10.6	10.7
21	05 89.0	4.2	4.2	4.3	4.3
21	09 89.0	4.2	4.2	4.3	4.3
21	13 89.0	4.1	4.1	4.3	4.3
21	17 89.0	4.4	4.4	4.5	4.5

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS064X0	URS	23.0	45.6 47.2	40.8 40.9	2.16 2.00	0.60 2.00	163 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			46.6		48.9		50.3		44.0		41.5		40.0	
15			38.8		38.4		40.3		40.0		41.5		43.4	
16	23	64.2	4.5	-2.2	5.5	-2.1	8.6	-1.7	6.4	-1.9	7.8	-1.8	6.5	-1.9
17			52.5		57.8		56.0		43.9					
18			50.0		47.6		41.5		46.6					
19			E		E		C		E					
20			0		0		0		0					
21	23	89.0	-11.4		-11.4		-11.3		-11.2					

1	2	3	4	5	6	7	8	9	10	11	12
URS06500	URS	23.0	32.4 37.7	63.1 55.8	1.18 2.00	0.60 2.00	175 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			29.5		30.0		31.7		32.7		37.8		34.8	
15			66.6		63.8		62.9		60.8		61.5		66.6	
16	20	66.6	4.5	3.5	6.1	4.5	6.8	4.8	5.2	4.0	4.6	3.6	5.4	4.1
17			61.6	48.9	41.2	34.5	29.3	27.7	34.1					
18			69.3	56.5	48.4	45.5	48.0	55.5	66.7					
19			A	C	E	K	K	E	C					
20			0	0	0	0	0	0	0					
21	20	89.0	-2.1	-1.8	-1.5	-1.4	-1.5	-1.6	-1.9					

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.108

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06600	URS	44.0	64.3 64.8	44.6 38.3	4.56 2.00	2.48 2.00	169 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	20	65.4	7.7	8.3	9.1	9.6	7.5	8.1	16.7	15.3	8.9	9.4	12.1	12.1
17			68.4	73.4	72.7	57.6	61.2							
18			46.6	44.4	38.7	38.0	43.7							
19			E	C	E	C	E							
20			0	0	0	0	0							
21	20	89.0	9.0	9.0	9.1	9.3	9.1							

1	2	3	4	5	6	7	8	9	10	11	12
URS06601	URS	44.0	64.3 73.8	44.6 41.4	4.56 2.00	2.48 2.00	169 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	24	65.4	7.8	8.4	10.2	10.6	8.5	9.1	17.1	15.7	14.5	14.0	16.0	15.1
16	32	65.5	8.1	9.1	12.1	13.0	17.9	18.6	19.2	19.8	1.7	2.7	13.6	14.5
17			81.2	87.1	65.4	71.0								
18			50.8	48.6	40.9	47.2								
19			E	E	E	E								
20			0	0	0	0								
21	24	89.0	9.5	9.5	9.8	9.7								
21	32	89.0	20.8	20.8	21.1	21.0								

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06602	URS	44.0	64.3 58.0	44.6 59.0	4.56 2.00	2.48 2.00	169 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	28	65.5	8.1	9.1	12.0	13.0	17.8	18.6	13.8	14.7	13.8	14.7	13.5	14.4
17			70.4		61.5		54.4		48.9		47.0		56.1	
18			59.8		50.8		47.7		50.4		58.7		74.0	
19			C		E		C		E		C		A	
20			0		0		0		0		0		0	
21	28	89.0	22.9		23.1		23.2		23.2		23.0		22.6	

1	2	3	4	5	6	7	8	9	10	11	12
URS06603	URS	44.0	64.3 37.7	44.6 55.8	4.56 2.00	2.48 2.00	169 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	36	65.6	8.1	9.1	12.1	13.1	18.2	19.0	19.6	20.3	16.7	17.6	13.6	14.5
16	40	65.6	8.1	9.1	12.1	13.1	18.2	19.0	19.7	20.4	16.7	17.6	14.5	15.4
17			45.0	47.5	44.5		39.1	32.9	27.5					
18			67.0	55.7	48.2		45.5	48.3	56.2					
19			A	C	E		K	K	E					
20			0	0	0		0	0	0					
21	36	89.0	22.6	22.9	23.1		23.1	23.0	22.9					
21	40	89.0	22.7	23.0	23.2		23.2	23.1	23.0					

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06700	URS	44.0	62.4 37.7	58.5 55.8	3.20 2.00	1.52 2.00	169 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			50.9		47.3		48.8		61.5		74.3		85.9	
15			51.9		62.3		67.3		50.8		53.5		61.6	
16	05	66.4	11.4	12.2	12.6	13.3	12.3	13.1	12.9	13.6	13.4	14.1	15.4	15.9
16	09	66.4	11.4	12.2	12.6	13.3	12.3	13.1	12.9	13.6	13.4	14.1	15.4	15.9
17			45.0	47.5	44.5		39.1	32.9	27.5					
18			67.0	55.7	48.2		45.5	48.3	56.2					
19			A	C	E		K	K	E					
20			100	100	100		100	100	100					
21	05	89.0	15.6	15.9	16.1		16.1	16.0	15.9					
21	09	89.0	15.6	15.9	16.1		16.1	16.0	15.9					

1	2	3	4	5	6	7	8	9	10	11	12
URS06701	URS	44.0	62.4 58.0	58.5 59.0	3.20 2.00	1.52 2.00	169 0	A883 A886	A884 A882	1 1	2.

			1		2		3		4		5		6	
13														
14			50.9		47.3		48.8		61.5		74.3		85.9	
15			51.9		62.3		67.3		50.8		53.5		61.6	
16	13	66.5	11.2	9.9	12.4	10.5	12.4	10.5	11.7	10.2	12.2	10.4	14.8	11.6
17			70.4	61.5	54.4		48.9	47.0	56.1					
18			59.8	50.8	47.7		50.4	58.7	74.0					
19			C	E	C		E	C	A					
20			0	0	0		0	0	0					
21	13	89.0	3.9	4.2	4.3		4.2	4.0	3.7					

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.111

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06702	URS	44.0	62.4	58.5	3.20	1.52	169	A883	A884	1	2.
			73.8	41.4	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			50.9		47.3		48.8		61.5		74.3		85.9	
15			51.9		62.3		67.3		50.8		53.5		61.6	
16	01	66.3	13.4	11.1	15.9	12.1	15.3	11.9	13.7	11.3	13.8	11.3	16.4	12.3
17			81.2		87.1		65.4		71.0					
18			50.8		48.6		40.9		47.2					
19			E		E		E		E					
20			1000		1000		1000		1000					
21	01	89.0	3.9		3.9		4.2		4.1					

1	2	3	4	5	6	7	8	9	10	11	12
URS06800	URS	44.0	59.0	38.8	2.24	1.00	164	A883	A884	2	2.
			73.8	41.4	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			62.5		66.5		57.3		58.9		53.7		52.5	
15			35.2		37.4		38.3		42.7		37.4		41.8	
16	26	64.0	17.3	18.3	17.2	18.2	18.8	19.8	15.4	16.4	14.6	15.6	12.2	13.2
17			81.2		87.1		65.4		71.0					
18			50.8		48.6		40.9		47.2					
19			E		E		E		E					
20			0		0		0		0					
21	26	89.0	33.5		33.4		33.8		33.6					

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.112

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06801	URS	44.0	59.0	38.8	2.24	1.00	164	A883	A884	2	2.
			64.8	38.3	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			62.5		66.5		57.3		58.9		53.7		52.5	
15			35.2		37.4		38.3		42.7		37.4		41.8	
16	30	64.1	17.3	18.3	17.2	18.2	18.9	19.8	15.4	16.4	14.6	15.6	12.1	13.1
17			68.4		73.4		72.7		57.6		61.2			
18			46.6		44.4		38.7		38.0		43.7			
19			E		C		E		C		E			
20			0		0		0		0		0			
21	30	89.0	27.9		27.9		28.0		28.2		28.0			

1	2	3	4	5	6	7	8	9	10	11	12
URS06900	URS	44.0	70.8	38.5	1.36	0.74	161	A883	A884	2	2.
			64.8	38.3	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			67.9		71.9		75.1		74.9		70.3		67.3	
15			37.0		36.6		37.3		38.5		41.3		39.5	
16	12	64.1	4.2	2.4	1.1	0.5	-0.8	-0.9	1.6	0.8	4.7	2.6	5.7	3.1
16	16	64.1	6.2	3.7	5.0	3.1	3.7	2.4	5.7	3.5	6.9	4.0	7.7	4.3
17			68.4		73.4		72.7		57.6		61.2			
18			46.6		44.4		38.7		38.0		43.7			
19			E		C		E		C		E			
20			0		0		0		0		0			
21	12	89.0	-4.4		-4.4		-4.3		-4.1		-4.3			
21	16	89.0	-3.7		-3.7		-3.6		-3.4		-3.6			

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.113

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07000	URS	44.0	73.9 73.8	41.0 41.4	1.34 2.00	0.84 2.00	5 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			78.2		74.2		80.3		73.8		69.3		70.2	
15			41.1		43.3		42.2		38.4		39.5		41.5	
16	18	64.5	8.9	9.0	12.3	11.5	8.7	8.8	4.0	4.7	7.5	7.8	10.4	10.1
16	22	64.6	9.8	9.7	12.8	11.8	10.5	10.2	4.2	4.9	7.9	8.1	10.9	10.5
17			81.2		87.1		65.4		71.0					
18			50.8		48.6		40.9		47.2					
19			E		E		E		E					
20			0		0		0		0					
21	18	89.0	6.1		6.1		6.4		6.3					
21	22	89.0	6.0		6.0		6.3		6.2					

1	2	3	4	5	6	7	8	9	10	11	12
URS07100	URS	44.0	63.1 73.8	42.0 41.4	2.64 2.00	0.84 2.00	170 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			67.8		73.1		71.0		61.8		56.0		56.0	
15			37.2		40.8		42.2		41.1		41.3		45.0	
16	34	64.4	14.0	15.0	9.3	10.3	9.8	10.8	18.8	19.8	15.8	16.8	14.8	15.8
16	38	64.5	14.0	15.0	9.3	10.3	9.8	10.8	18.7	19.7	16.1	17.1	13.6	14.6
17			81.2		87.1		65.4		71.0					
18			50.8		48.6		40.9		47.2					
19			E		E		E		E					
20			0		0		0		0					
21	34	89.0	34.0		33.9		34.3		34.1					
21	38	89.0	32.9		32.8		33.2		33.0					

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.114

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07200	URS	44.0	70.1 58.0	61.5 59.0	2.38 2.00	0.66 2.00	173 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			75.0		69.4		65.9		59.8		85.9		63.1	
15			58.6		59.9		58.6		61.9		61.9		66.2	
16	07	67.1	15.6	16.0	16.0	16.3	14.0	14.6	13.8	14.4	16.0	16.3	13.1	13.7
17			70.4		61.5		54.4		48.9		47.0		56.1	
18			59.8		50.8		47.7		50.4		58.7		74.0	
19			C		E		C		E		C		A	
20			0		0		0		0		0		0	
21	07	89.0	15.0		15.3		15.4		15.3		15.1		14.8	

1	2	3	4	5	6	7	8	9	10	11	12
URS07300	URS	44.0	54.3 58.0	63.5 59.0	1.58 2.00	0.66 2.00	3 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			49.5		45.8		47.3		52.4		59.2		66.0	
15			59.3		64.2		62.2		67.1		61.6		67.5	
16	03	66.9	10.6	11.4	11.6	12.3	12.4	13.1	13.1	13.7	13.1	13.7	13.4	14.0
17			70.4		61.5		54.4		48.9		47.0		56.1	
18			59.8		50.8		47.7		50.4		58.7		74.0	
19			C		E		C		E		C		A	
20			0		0		0		0		0		0	
21	03	89.0	15.1		15.3		15.4		15.3		15.1		14.8	

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.115

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07400	URS	74.0	88.8 37.7	57.6 55.8	3.08 2.00	1.68 2.00	162 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			87.3		97.2		74.9		112.6		78.7		104.5	
15			49.2		49.7		58.6		71.3		69.9		58.5	
16	26	67.9	10.8	11.5	8.3	9.1	15.7	15.7	10.7	11.4	16.3	16.2	11.1	11.7
16	30	68.0	10.9	11.5	8.6	9.4	15.8	15.8	10.7	11.4	16.3	16.2	11.7	12.3
16	34	68.0	10.2	10.9	8.4	9.2	15.8	15.8	10.7	11.4	16.3	16.2	11.7	12.3
16	38	68.1	7.6	8.3	5.6	6.4	13.2	13.2	9.9	10.4	14.2	13.9	9.5	10.0

			1	2	3	4	5
17			29.5	50.3	51.8	46.8	37.3
18			67.2	54.7	47.4	45.1	48.4
19			C	E	C	C	K
20			0	0	0	0	0
21	26	89.0	12.7	13.1	13.2	13.3	13.1
21	30	89.0	12.6	13.0	13.1	13.1	12.9
21	34	89.0	12.7	13.1	13.2	13.2	13.1
21	38	89.0	9.9	10.3	10.4	10.4	10.2

1	2	3	4	5	6	7	8	9	10	11	12
URS07500	URS	74.0	94.0 92.8	51.7 56.1	1.52 2.00	0.60 2.00	172 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			90.0		95.0		87.9		98.0		99.0		92.5	
15			50.5		50.0		51.5		50.0		52.9		51.7	
16	32	65.1	1.1	1.7	2.0	2.5	0.3	1.0	1.2	1.8	1.6	2.2	3.1	3.5

			1	2	3	4	5
17			90.0	95.0	87.9	98.0	99.0	92.5
18			50.5	50.0	51.5	50.0	52.9	51.7
19			E	E	E	E	E	E
20			0	0	0	0	0	0
21	32	89.0	5.1	3.8	5.1	2.3	3.4	5.2

PLAN 3 DRAFT PLAN - 20SEP88 ORB(2) PAG.116

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07600	URS	74.0	98.0 92.8	63.2 56.1	1.84 2.00	0.69 2.00	170 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			104.4		108.3		99.4		106.5		88.8		91.2	
15			58.7		64.1		60.2		69.5		65.4		60.7	
16	28	68.1	3.1	3.5	4.5	4.7	6.0	5.9	3.0	3.4	5.5	5.5	5.4	5.4

			1	2	3	4	5
17			104.4	108.3	99.4	106.5	88.8	91.2
18			58.7	64.1	60.2	69.5	65.4	60.7
19			C	C	C	A	C	C
20			0	0	0	0	0	0
21	28	89.0	3.4	3.6	5.2	3.7	2.4	4.9

1	2	3	4	5	6	7	8	9	10	11	12
URS07700	URS	110.0	112.7 137.0	57.3 50.5	2.67 2.00	1.75 2.00	2 0	A883 A886	A884 A882	1 1	2.

			1		2		3		4		5		6	
13														
14			117.8		110.8		103.6		103.0		125.0		106.2	
15			49.4		49.1		50.1		59.6		55.0		69.5	
16	19	64.1	0.3	0.6	1.9	1.9	4.1	3.6	11.7	7.3	2.3	2.2	12.7	7.6
16	23	66.1	2.4	2.8	3.9	4.1	6.3	6.0	14.5	10.3	4.5	4.6	15.8	10.6
16	27	67.2	19.1	20.1	19.6	20.6	16.0	17.0	13.1	14.1	16.1	17.1	11.6	12.6

			1	2	3	4
17			156.2	160.8	127.3	135.4
18			65.3	61.3	49.9	58.5
19			A	A	F	C
20			0	0	0	0
21	19	89.0	-1.2	-1.2	-0.7	-1.0
21	23	89.0	1.8	1.8	2.3	2.0
21	27	89.0	35.1	35.2	35.7	35.4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07701	URS	110.0	112.7	57.3	2.67	1.75	2	A883	A884	1	2.
			137.0	50.5	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			117.8		110.8		103.6		103.0		125.0		106.2	
15			49.4		49.1		50.1		59.6		55.0		69.5	
16	31	67.2	19.1	20.1	19.4	20.4	15.0	16.0	15.3	16.3	16.1	17.1	14.2	15.2
16	35	67.3	19.1	20.1	19.7	20.7	16.1	17.1	15.7	16.7	16.1	17.1	14.2	15.2
16	39	67.4	3.8	4.8	3.4	4.4	2.0	3.0	9.3	10.3	6.4	7.4	12.6	13.6
17			156.2	160.8	127.3	135.4								
18			65.3	61.3	49.9	58.5								
19			A	A	F	C								
20			0	0	0	0								
21	31	89.0	35.0	35.1	35.5	35.3								
21	35	89.0	35.0	35.0	35.5	35.3								
21	39	89.0	26.8	26.8	27.3	27.1								

1	2	3	4	5	6	7	8	9	10	11	12
URS07800	URS	110.0	108.2	53.4	2.16	0.78	10	A883	A884	1	2.
			110.0	60.0	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			107.8		98.5		100.2		114.2		108.5		116.5	
15			50.0		52.2		53.2		53.1		56.6		54.8	
16	25	65.0	0.5	1.5	0.7	1.7	2.0	3.0	3.5	4.5	4.7	5.7	4.2	5.2
17			121.3	116.2	103.8	98.7								
18			60.2	51.4	51.4	60.2								
19			C	E	E	C								
20			0	0	0	0								
21	25	89.0	24.1	24.4	24.4	24.1								

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07900	URS	140.0	138.0	53.6	3.16	2.12	62	A883	A884	2	2.
			137.0	50.5	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			130.6		143.4		152.5		131.0		128.4		140.7	
15			42.2		46.0		64.6		47.6		73.2		72.9	
16	20	67.7	2.9	3.9	16.4	17.2	24.7	24.5	9.0	10.0	19.5	20.1	22.1	22.4
16	24	67.8	6.5	7.5	19.8	20.8	23.6	24.5	10.5	11.5	17.8	18.8	20.2	21.1
16	28	67.8	22.9	23.8	24.5	25.3	25.0	25.8	21.4	22.3	0.8	1.8	20.1	21.0
16	32	67.9	23.6	24.6	25.3	26.2	25.0	26.0	21.7	22.7	17.5	18.5	20.1	21.1
16	36	68.0	24.3	25.3	26.3	27.2	25.0	26.0	22.1	23.1	17.7	18.7	20.1	21.1
16	40	68.0	24.4	25.4	26.3	27.2	25.0	26.0	22.1	23.1	17.7	18.7	20.1	21.1
17			135.6	143.8	132.1	128.3	128.5							
18			63.5	58.9	44.0	50.7	59.1							
19			C	A	K	F	C							
20			0	0	0	0	0							
21	20	89.0	20.8	20.9	21.2	21.0	20.9							
21	24	89.0	30.4	30.5	30.8	30.6	30.5							
21	28	89.0	29.9	30.0	30.3	30.1	30.0							
21	32	89.0	35.6	35.7	36.0	35.9	35.7							
21	36	89.0	36.3	36.4	36.7	36.6	36.4							
21	40	89.0	36.3	36.4	36.7	36.6	36.4							

1	2	3	4	5	6	7	8	9	10	11	12
URS08000	URS	140.0	155.3	55.4	2.90	2.36	35	A883	A884	1	2.
			137.0	50.5	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			-179.2		179.5		176.3		145.4		151.8		145.6	
15			65.5		62.6		68.0		43.6		46.8		63.8	
16	26	67.9	99.0	45.0	36.1	36.4	99.0	45.0	24.9	25.8	44.2	42.1	22.3	23.3
16	30	67.9	99.0	46.1	36.5	36.9	99.0	46.1	24.9	25.9	45.8	43.4	22.6	23.6
16	34	68.0	99.0	47.9	36.5	37.1	99.0	47.9	24.9	25.9	45.8	44.3	22.6	23.6
16	38	68.1	99.0	47.8	36.5	37.1	99.0	47.8	23.3	24.3	45.8	44.3	22.6	23.6
17			135.6	143.8	132.1	128.3	128.5							
18			63.5	58.9	44.0	50.7	59.1							
19			C	A	K	F	C							
20			0	0	0	0	0							
21	26	89.0	35.0	35.1	35.4	35.3	35.1							
21	30	89.0	36.1	36.3	36.5	36.4	36.2							
21	34	89.0	37.9	38.0	38.3	38.2	38.0							
21	38	89.0	37.8	37.9	38.2	38.1	37.9							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS08100	URS	140.0	168.5	65.5	1.96	0.60	168	A883	A884	1	2.
			168.5	65.5	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			-179.2		179.5		158.1		176.3		174.3		168.6	
15			65.5		62.6		67.8		68.0		61.7		63.1	
16	22	68.1	32.3	33.0	28.0	28.9	12.9	13.9	33.1	33.7	28.7	29.5	29.7	30.5
17			167.2		157.7		152.2		153.0					
18			55.1		51.2		54.2		64.3					
19			C		C		A		A					
20			0		0		0		0					
21	22	89.0	34.3		34.4		34.4		34.1					

1	2	3	4	5	6	7	8	9	10	11	12
CAR33800	USA	122.0	149.5	8.0	5.36	0.77	178	A883	A884	1	
			151.1	11.6	6.48	3.49	179	A887	A882	2	

			1		2		3		4		5					
13																
14			134.6		138.1		151.7		158.3		145.0					
15			7.5		9.5		7.5		7.0		7.0					
16	01	62.5	4.1	5.0	6.4	7.2	17.9	16.9	17.4	16.6	12.0	12.4				
16	05	62.5	3.7	4.6	5.7	6.5	16.3	15.8	16.7	16.1	10.7	11.2				
16	09	62.6	3.7	4.6	5.8	6.6	16.3	15.8	16.7	16.1	10.8	11.3				
16	13	62.6	3.6	4.5	5.7	6.5	15.4	15.1	14.9	14.8	10.5	11.0				
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1					
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1					
19			P	P	N	N	P	P	D	N	P					
20			0	0	0	0	0	0	0	0	0					
21	01	87.0	11.7	13.0	13.8	11.4	12.0	12.9	11.3	12.2	11.2					
21	05	87.0	11.7	13.0	13.8	11.4	12.0	12.9	11.2	12.2	11.2					
21	09	87.0	11.7	13.0	13.8	11.4	12.0	12.9	11.2	12.2	11.2					
21	13	87.0	11.6	12.9	13.8	11.4	11.9	12.8	11.2	12.1	11.1					

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CAR33801	USA	122.0	149.5	8.0	5.36	0.77	178	A883	A884	1	
			-157.5	21.0	2.02	0.60	115	A887	A882	2	

			1		2		3		4		5	
13												
14			134.6		138.1		151.7		158.3		145.0	
15			7.5		9.5		7.5		7.0		7.0	
16	17	62.7	11.0	11.8	12.9	13.6	18.7	18.7	16.5	16.9	13.5	14.2
17			-158.0	-160.0	-158.0							
18			20.0	23.0	22.5							
19			D	D	D							
20			0	0	0							
21	17	87.0	16.3		15.8		16.1					

1	2	3	4	5	6	7	8	9	10	11	12
GUM33100	USA	122.0	144.5	13.1	0.60	0.60	0	A883	A884	2	
			151.1	11.6	6.48	3.49	179	A887	A882	1	

			1									
13												
14			144.7									
15			13.4									
16	02	63.4	7.1	8.1								
16	06	63.4	7.1	8.1								
16	10	63.4	7.2	8.2								
16	14	63.5	7.2	8.2								
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1	
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1	
19			P	P	N	N	P	P	D	N	P	
20			0	0	0	0	0	0	0	0	0	
21	21	87.0	24.1	25.4	26.2	23.8	24.4	25.3	23.6	24.6	23.6	
21	25	87.0	30.0	31.3	32.1	29.8	30.3	31.2	29.6	30.5	29.5	
21	29	87.0	32.5	33.8	34.6	32.2	32.8	33.7	32.0	33.0	32.0	
21	33	87.0	35.1	36.4	37.2	34.9	35.4	36.3	34.7	35.6	34.6	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GUM33101	USA	122.0	144.5 -157.5	13.1 21.0	0.60 2.02	0.60 0.60	0 115	A883 A887	A884 A882	2 1	

13				1										
14				144.7										
15				13.4										
16	18	63.5	7.3	8.3										
17			-158.0	-160.0	-158.0									
18			20.0	23.0	22.5									
19			D	D	D									
20			0	0	0									
21	37	87.0	60.1	59.7	59.9									

1	2	3	4	5	6	7	8	9	10	11	12
MRA33200	USA	122.0	145.9 151.1	16.9 11.6	1.20 6.48	0.60 3.49	76 179	A883 A887	A884 A882	1 2	

13				1		2		3						
14				145.0		145.6		146.9						
15				20.0		15.1		15.1						
16	03	63.5	-3.5	-2.5	4.5	5.4	2.6	3.5						
16	07	63.5	-3.6	-2.6	4.5	5.4	2.6	3.5						
16	11	63.6	-3.6	-2.6	4.5	5.4	2.6	3.5						
16	15	63.6	-3.6	-2.6	4.5	5.4	2.6	3.5						
17			134.6	138.6	144.5		145.0	146.0	158.3	166.6	170.2	171.1		
18			7.5	9.5	13.0		20.0	4.0	7.0	19.3	12.5	7.1		
19			P	P	N		N	P	P	D	N	P		
20			0	0	0		0	0	0	0	0	0		
21	03	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.1	13.1	12.1		
21	07	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.1	13.1	12.1		
21	11	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.2	13.1	12.1		
21	15	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.2	13.1	12.1		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRA33201	USA	122.0	145.9 -157.5	16.9 21.0	1.20 2.02	0.60 0.60	76 115	A883 A887	A884 A882	1 2	

13				1		2		3						
14				145.0		145.6		146.9						
15				20.0		15.1		15.1						
16	19	63.7	9.5	10.5	7.6	8.6	6.2	7.2						
17			-158.0	-160.0	-158.0									
18			20.0	23.0	22.5									
19			D	D	D									
20			0	0	0									
21	19	87.0	37.9	37.4	37.6									

1	2	3	4	5	6	7	8	9	10	11	12
MRL33300	USA	146.0	166.7 153.1	7.9 11.5	1.50 7.87	1.50 3.64	177 1	A883 A887	A884 A882	1 2	

13				1		2		3		4		5								
14				162.1		167.3		171.1		169.5		170.2								
15				11.5		9.1		7.1		6.0		12.5								
16	02	63.3	12.8	13.6	17.1	17.7	13.6	14.4	14.0	14.8	15.6	16.3								
16	06	63.3	12.8	13.6	17.1	17.7	13.6	14.4	14.0	14.8	15.6	16.3								
16	10	63.4	13.2	14.0	17.3	17.9	13.8	14.6	14.1	14.9	15.9	16.6								
16	14	63.5	13.3	14.1	17.3	17.9	13.8	14.6	14.1	14.9	16.0	16.7								
17			134.6	138.6	144.5		145.0	146.0	158.3		166.6	170.2	171.1							
18			7.5	9.5	13.0		20.0	4.0	7.0		19.3	12.5	7.1							
19			P	P	N		N	P	P		D	N	P							
20			0	0	0		0	0	0		0	0	0							
21	02	87.0	18.2	19.4	20.3		18.1	18.7	19.9		18.1	19.1	18.1							
21	06	87.0	18.2	19.4	20.3		18.1	18.7	19.9		18.1	19.1	18.1							
21	10	87.0	18.6	19.8	20.7		18.5	19.1	20.3		18.5	19.5	18.5							
21	14	87.0	18.8	20.0	20.9		18.7	19.3	20.5		18.7	19.6	18.7							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRL33301	USA	146.0	166.7	7.9	1.50	1.50	177	A883	A884	1	
			-157.5	21.0	1.63	0.67	131	A887	A882	2	

13			1		2		3		4		5
14			162.1		167.3		171.1		169.5		170.2
15			11.5		9.1		7.1		6.0		12.5
16	18	63.5	15.8	16.7	19.6	20.3	16.9	17.7	18.5	19.3	19.0 19.7
17			-155.0	-158.0	-160.0	-158.0	-156.0	-155.0			
18			19.0	20.0	23.0	22.5	21.5	21.0			
19			N	D	D	D	D	D			
20			0	0	0	0	0	0			
21	18	87.0	22.0	22.4	22.0	22.5	21.8	21.9			

1	2	3	4	5	6	7	8	9	10	11	12
PLM33700	USA	170.0	-161.4	7.0	0.60	0.60	0	A883	A884	1	
			-166.3	-0.2	7.97	1.04	72	A887	A882	2	

13			1		2						
14			-162.0		-162.4						
15			5.8		6.1						
16	01	62.4	6.4	7.4	6.3	7.3					
16	05	62.4	5.5	6.5	5.5	6.5					
16	09	62.5	5.5	6.5	5.5	6.5					
16	13	62.6	5.5	6.5	5.5	6.5					
17			-170.7	-171.0	-169.6	-162.4	-162.0	-158.0			
18			-14.3	-11.0	-14.2	6.1	5.8	17.5			
19			N	N	N	N	N	N			
20			0	0	0	0	0	0			
21	01	87.0	25.9	25.8	25.6	26.3	25.7	25.1			
21	05	87.0	25.9	25.7	25.6	26.2	25.7	25.0			
21	09	87.0	25.9	25.8	25.6	26.3	25.7	25.0			
21	13	87.0	27.5	27.4	27.2	27.9	27.4	26.7			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PLM33701	USA	170.0	-161.4	7.0	0.60	0.60	0	A883	A884	1	
			-124.8	39.2	4.43	0.73	132	A887	A882	2	

13			1		2						
14			-162.0		-162.4						
15			5.8		6.1						
16	17	62.6	5.6	6.6	5.6	6.6					
17			-125.0	-123.0	-123.8	-117.1	-122.0	-120.0	-118.0		
18			48.2	49.0	39.0	32.5	52.0	40.0	33.0		
19			D	D	D	E	D	D	E		
20			0	0	0	0	0	0	0		
21	17	87.0	47.1	47.0	48.6	47.3	45.8	47.1	47.5		

1	2	3	4	5	6	7	8	9	10	11	12
SMA33500	USA	170.0	-170.1	-14.2	0.60	0.60	0	A883	A884	2	
			-166.3	-0.2	7.97	1.04	72	A887	A882	1	

13			1		2		3		4		
14			-170.7		-169.6		-169.5		-171.0		
15			-14.3		-14.1		-14.2		-11.0		
16	01	61.2	12.6	13.3	13.5	14.1	13.3	14.0	0.4	1.4	
16	05	61.3	8.2	9.1	9.0	9.9	8.8	9.7	-3.4	-2.4	
16	09	61.3	8.2	9.1	9.0	9.9	8.8	9.7	-3.5	-2.5	
16	13	61.3	8.2	9.1	9.0	9.9	8.7	9.6	-3.5	-2.5	
17			-170.7	-171.0	-169.6	-162.4	-162.0	-158.0			
18			-14.3	-11.0	-14.2	6.1	5.8	17.5			
19			N	N	N	N	N	N			
20			0	0	0	0	0	0			
21	03	87.0	16.0	15.9	15.7	16.4	15.8	15.1			
21	07	87.0	16.0	15.9	15.7	16.4	15.8	15.1			
21	11	87.0	16.0	15.9	15.7	16.4	15.8	15.1			
21	15	87.0	16.0	15.9	15.7	16.4	15.8	15.1			

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SMA33501	USA	170.0	-170.1	-14.2	0.60	0.60	0	A883	A884	2	
			-124.8	39.2	4.43	0.73	132	A887	A882	1	

13				1		2		3		4				
14				-170.7		-169.6		-169.5		-171.0				
15				-14.3		-14.1		-14.2		-11.0				
16	17	61.4	8.8	9.8	9.5	10.5	9.2	10.2	-3.1	-2.1				
17			-125.0	-123.0	-123.8	-117.1	-122.0	-120.0	-118.0					
18			48.2	49.0	39.0	32.5	52.0	40.0	33.0					
19			D	D	D	E	D	D	E					
20			0	0	0	0	0	0	0					
21	19	87.0	47.4	47.3	48.9	47.7	46.2	47.5	47.8					

1	2	3	4	5	6	7	8	9	10	11	12
WAK33400	USA	140.0	166.5	19.2	0.60	0.60	0	A883	A884	1	
			152.5	11.7	7.89	3.52	0	A887	A882	1	

13				1										
14				166.6										
15				19.3										
16	01	63.6	17.8	15.3										
16	05	63.7	17.5	15.2										
16	09	63.7	17.4	15.1										
16	13	63.7	17.3	15.1										
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1			
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1			
19			P	P	N	N	P	P	D	N	P			
20			0	0	0	0	0	0	0	0	0			
21	01	87.0	8.2	9.4	10.3	8.1	8.4	9.7	7.9	9.0	8.0			
21	05	87.0	8.2	9.4	10.3	8.0	8.4	9.7	7.9	9.0	7.9			
21	09	87.0	8.2	9.4	10.3	8.0	8.4	9.7	7.9	9.0	8.0			
21	13	87.0	8.3	9.5	10.4	8.1	8.5	9.8	8.0	9.1	8.0			

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
WAK33401	USA	140.0	166.5	19.2	0.60	0.60	0	A883	A884	1	
			-157.5	21.0	1.63	0.67	131	A887	A882	2	

13				1										
14				166.6										
15				19.3										
16	17	63.8	22.0	20.5										
17			-155.0	-158.0	-160.0	-158.0	-156.0	-155.0						
18			19.0	20.0	23.0	22.5	21.5	21.0						
19			N	D	D	D	D	D						
20			0	0	0	0	0	0						
21	17	87.0	14.2	14.8	14.3	14.7	14.5	14.6						

1	2	3	4	5	6	7	8	9	10	11	12
VTN32500	VTN	86.0	105.3	16.1	3.03	1.40	116	A883	A884	2	
			108.0	14.8	3.80	1.90	126	A887	A882	2	

13				1		2		3		4		5		6			
14			102.0		108.0		109.0		109.5		104.5		103.8				
15			22.8		21.6		16.0		12.0		8.5		10.2				
16	03	63.5	-1.4	-0.8	-1.1	-0.5	4.6	4.2	6.9	5.8	6.1	5.3	7.1	5.9			
16	07	63.5	-1.4	-0.8	-1.1	-0.5	4.6	4.2	6.9	5.7	6.1	5.2	7.1	5.9			
16	11	63.5	-1.7	-0.8	-1.6	-0.7	5.3	5.9	9.2	9.3	11.0	10.7	10.3	10.2			
16	15	63.6	4.0	3.9	-0.1	0.5	9.4	7.5	11.9	8.6	7.8	6.6	9.7	7.6			
17			102.2	105.3	108.0	111.9	104.7	103.9	108.2								
18			22.4	23.4	21.5	8.7	8.6	10.3	16.1								
19			N	N	N	N	P	P	N								
20			0	0	0	0	0	0	0								
21	03	84.0	1.7	1.6	2.1	2.7	-0.1	0.5	4.2								
21	07	84.0	1.6	1.6	2.1	2.7	-0.2	0.4	4.2								
21	11	84.0	8.5	8.5	9.0	9.6	6.7	7.3	11.1								
21	15	84.0	2.4	2.3	2.8	3.5	0.6	1.2	5.0								

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
VUT12800	VUT	140.0	168.0	-16.4	1.52	0.68	87	A883	A884	2	
			168.0	-16.4	1.52	0.68	87	A887	A882	1	

13				1		2		3			
14				166.9		169.8		168.3			
15				-15.0		-20.0		-17.7			
16	03	62.8	12.1	10.2	6.6	6.6	11.6	10.0			
16	07	62.9	12.2	10.3	6.7	6.7	11.7	10.0			
16	11	63.0	12.2	10.3	6.7	6.7	11.7	10.0			
16	15	63.0	12.5	10.5	6.7	6.7	11.8	10.1			
17			166.9		169.8		168.3				
18			-15.0		-20.0		-17.7				
19			P		N		N				
20			0		0		0				
21	03	84.0	5.6		3.4		6.9				
21	07	84.0	5.6		3.4		6.9				
21	11	84.0	5.6		3.4		6.9				
21	15	84.0	5.7		3.5		7.0				

1	2	3	4	5	6	7	8	9	10	11	12
YEM26600	YEM	11.0	44.3	15.1	1.14	0.70	109	A883	A884	1	
			44.3	15.1	1.14	0.70	109	A887	A882	2	

13				1		2		3		4		5			
14				42.0		42.0		44.0		44.5		45.5			
15				15.7		17.5		18.0		14.0		15.0			
16	02	62.6	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2			
16	06	62.7	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2			
16	10	62.7	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2			
16	14	62.8	3.1	3.0	0.7	1.0	0.1	0.5	5.2	4.5	3.3	3.2			
16	18	62.8	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2			
17			44.0		44.5		45.5								
18			18.0		14.0		15.0								
19			C		E		C								
20			0		0		0								
21	02	84.0	-0.5		2.6		1.4								
21	06	84.0	-0.5		2.6		1.4								
21	10	84.0	-0.5		2.6		1.4								
21	14	84.0	-0.5		2.6		1.4								
21	18	84.0	-0.5		2.6		1.4								

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
YUG14800	YUG	-7.0	18.4	43.7	1.68	0.66	154	A883	A884	1	
			18.6	43.8	2.21	0.92	156	A887	A882	2	

13				1		2		3		4		5		6							
14				13.4		21.0		20.1		16.1		22.7		23.0							
15				46.4		40.6		46.3		42.9		44.5		43.1							
16	21	65.2	-1.4	-0.8	2.7	2.7	0.2	0.6	4.6	4.1	0.8	1.1	1.8	1.9							
16	25	65.3	-1.4	-0.9	4.3	3.6	0.5	0.7	4.5	3.8	2.6	2.4	4.3	3.6							
16	29	65.3	-1.7	-1.2	3.7	3.2	-0.9	-0.5	4.0	3.4	0.2	0.5	2.0	1.9							
16	33	65.4	-1.7	-1.2	3.7	3.2	-0.9	-0.5	4.0	3.4	0.2	0.5	2.0	1.9							
16	37	65.4	-1.7	-1.2	3.6	3.1	-0.9	-0.5	3.9	3.4	0.2	0.5	2.0	1.9							
17			16.3	13.2	13.9	16.1	19.4	21.0	22.9	23.0	22.8	20.3									
18			46.9	46.3	44.9	43.0	41.9	40.9	41.4	43.2	44.5	46.1									
19			K	K	K	K	K	L	L	K	K	K									
20			0	0	0	0	0	0	0	0	0	0									
21	01	84.0	0.0	-0.4	0.1	0.4	0.8	0.1	0.0	0.3	-0.2	-0.6									
21	05	84.0	-0.7	-1.2	-0.6	-0.3	0.1	-0.7	-0.7	-0.4	-0.9	-1.4									
21	09	84.0	-0.7	-1.2	-0.6	-0.3	0.1	-0.7	-0.7	-0.4	-0.9	-1.4									
21	13	84.0	-0.7	-1.2	-0.6	-0.3	0.1	-0.7	-0.7	-0.4	-0.9	-1.4									
21	17	84.0	-0.7	-1.2	-0.6	-0.3	0.1	-0.7	-0.7	-0.4	-0.9	-1.4									

1	2	3	4	5	6	7	8	9	10	11	12
YUG14900	YUG	-7.0	18.4	43.7	1.68	0.66	154	A883	A884	1	
			18.6	43.8	2.21	0.92	156	A887	A882	2	

13				1		2		3		4		5		6							
14				13.4		21.0		20.1		16.1		22.7		23.0							
15				46.4		40.6		46.3		42.9		44.5		43.1							
16	23	65.2	-1.3	-0.8	0.3	0.6	-1.3	-0.8	-0.2	0.2	-0.1	0.3	0.8	1.1							
16	27	65.3	0.0	0.4	1.1	1.3	-2.7	-2.0	-1.4	-0.9	-2.2	-1.6	-0.4	0.0							
16	31	65.4	0.0	0.4	1.1	1.3	-2.7	-2.0	-1.4	-0.9	-2.2	-1.6	-0.4	0.0							
16	35	65.4	0.0	0.4	1.1	1.3	-2.7	-2.0	-1.4	-0.9	-2.2	-1.6	-0.4	0.0							
16	39	65.5	0.0	0.4	1.1	1.3	-2.7	-2.0	-1.4	-0.9	-2.3	-1.7	-0.4	0.0							
17			16.3	13.2	13.9	16.1	19.4	21.0	22.9	23.0	22.8	20.3									
18			46.9	46.3	44.9	43.0	41.9	40.9	41.4	43.2	44.5	46.1									
19			K	K	K	K	K	L	L	K	K	K									
20			0	0	0	0	0	0	0	0	0	0									
21	03	84.0	-0.2	-0.6	0.0	0.3	0.6	-0.1	-0.2	0.1	-0.4	-0.8									
21	07	84.0	-0.2	-0.6	0.0	0.3	0.6	-0.1	-0.2	0.1	-0.4	-0.8									
21	11	84.0	-0.1	-0.6	0.0	0.3	0.6	-0.1	-0.2	0.1	-0.4	-0.8									
21	15	84.0	-0.2	-0.6	0.0	0.3	0.6	-0.1	-0.2	0.1	-0.4	-0.8									
21	19	84.0	-0.1	-0.6	0.0	0.3	0.6	-0.1	-0.2	0.1	-0.4	-0.8									

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ZAI32200	ZAI	-19.0	22.4	0.0	2.16	1.88	48	A883	A884	1	
			22.4	0.0	2.16	1.88	48	A887	A882	2	

			1		2		3		4		5		6	
13														
14			27.5		31.5		21.5		24.0		16.0		19.5	
15			3.0		2.2		-3.5		-4.0		-2.0		5.0	
16	04	64.8	10.0	3.0	7.1	2.4	10.6	3.1	10.6	3.1	4.6	1.6	3.9	1.3
16	08	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	12	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	16	64.9	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	20	64.9	10.7	3.2	7.1	2.5	11.8	3.4	11.2	3.3	6.4	2.3	6.7	2.4
17			27.5		31.5		21.5		24.0		16.0		19.5	
18			3.0		2.2		-3.5		-4.0		-2.0		5.0	
19			N		K		N		N		N		P	
20			0		0		0		0		0		0	
21	04	84.0	-4.5		-6.2		-4.0		-4.7		-5.1		-6.2	
21	08	84.0	-4.5		-6.2		-3.9		-4.7		-5.1		-6.2	
21	12	84.0	-4.5		-6.2		-3.9		-4.7		-5.1		-6.2	
21	16	84.0	-4.5		-6.2		-3.9		-4.7		-5.1		-6.2	
21	20	84.0	-4.4		-6.1		-3.8		-4.6		-5.0		-6.1	

1	2	3	4	5	6	7	8	9	10	11	12
ZAI32300	ZAI	-19.0	21.3	-6.8	2.80	1.52	149	A883	A884	1	
			21.3	-6.8	2.80	1.52	149	A887	A882	2	

			1		2		3		4		5		6	
13														
14			30.0		16.3		12.0		22.1		29.8		30.7	
15			-4.2		-1.0		-5.6		-11.1		-13.5		-8.2	
16	02	64.7	2.8	0.1	0.7	-0.9	3.7	0.5	6.2	1.3	3.0	0.2	6.9	1.5
16	06	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	2.9	0.2	6.9	1.5
16	10	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
16	14	64.8	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
16	18	64.9	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
17			12.0		22.1		29.8		30.7					
18			-5.6		-11.1		-13.5		-8.2					
19			K		K		J		J					
20			0		0		0		0					
21	02	84.0	-6.1		-5.8		-7.4		-5.1					
21	06	84.0	-6.1		-5.8		-7.4		-5.1					
21	10	84.0	-6.1		-5.8		-7.4		-5.1					
21	14	84.0	-6.1		-5.8		-7.4		-5.1					
21	18	84.0	-6.1		-5.8		-7.4		-5.1					

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MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ZWE13500	ZWE	-1.0	29.6	-18.8	1.46	1.36	37	A883	A884	2	
			29.6	-18.8	1.46	1.36	37	A887	A882	1	

			1		2		3		4		5		6	
13														
14			31.2		30.0		25.2		27.4		32.8		32.8	
15			-22.2		-16.5		-17.6		-21.1		-20.5		-17.7	
16	22	64.2	5.1	5.5	9.6	9.1	7.3	7.4	5.6	5.9	7.1	7.2	8.6	8.4
16	26	64.2	5.0	5.4	9.5	9.0	7.0	7.1	5.4	5.8	7.0	7.1	8.5	8.3
16	30	64.3	4.6	5.1	8.6	8.4	6.1	6.4	4.9	5.3	6.5	6.7	7.7	7.7
16	34	64.3	4.6	5.1	8.6	8.4	6.1	6.4	4.8	5.3	6.4	6.6	8.6	8.4
16	38	64.4	4.6	5.1	8.6	8.4	6.1	6.4	4.9	5.3	6.5	6.7	8.5	8.3
17			31.2		30.0		25.2		27.4		32.8		32.8	
18			-22.2		-16.5		-17.6		-21.1		-20.5		-17.7	
19			E		J		E		E		J		J	
20			0		0		0		0		0		0	
21	23	85.0	5.0		6.3		4.5		5.4		5.8		5.7	
21	27	85.0	5.0		6.3		4.5		5.4		5.8		5.7	
21	31	85.0	5.0		6.3		4.5		5.4		5.8		5.7	
21	35	85.0	5.0		6.3		4.5		5.4		5.8		5.7	
21	39	85.0	5.0		6.3		4.5		5.4		5.8		5.7	

ANNEX 2

TEXT FOR SYMBOLS IN REMARKS
COLUMN OF THE PLAN

1. Fast roll-off space station receiving antenna as defined in Annex 3 (Section ...) of this Appendix.

2. For this assignment the diameter of the earth station antenna is 7 m and the system noise temperature is 3000° K.

3. India may also locate feeder-link earth stations near the point 29°N, 77.3°E on the condition of not affecting the EPMs of other administrations.

4. The use of these feeder-links by IRN is limited until 31 December 19... In the case where IRN decides to terminate the use of these feeder-links before that date it shall so inform the IFRB, who in turn will inform all administrations accordingly (see Note 5).

5. The use of these feeder-links by IRN shall be possible only after 31 December 19.. or after the date of receipt by the IFRB of a statement by the administration of IRN that it has terminated the use of its feeder-links in the 14 GHz band, whichever is the earlier.

6. During the Conference Bhutan became the 165th Member of the Union and the Conference decided to provide four assignments for a feeder-link to a BSS space station which had no assignments yet in Appendix 30.

7. [Note on non-linear translation.]

8. This assignment, if part of a group, the number of which follows the symbol. The group consists of the beams and has the number of channels assigned to it as indicated in Table 1.

a) The overall equivalent protection margin to be used for the application of Article 4 shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

TABLE 1

Group	Beams in the group	Number of channels assigned to the group
GR1	NZL05500, NZL05501,	4 channels
GR2	NZL05503, NIU054, TKL058	4 channels
GR3	NZL05502, CKH052	
GR4	CKH052, CKH053	
GR5	REU97, MYT98, NCL100, WAL102	

9. D and SUI have agreed that their feeder-link channels can be interchanged for a limited period of time ending in the year 2001 as follows:

2 with 22, 6 with 26, 10 with 30, 14 with 34, 18 with 38.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 311-E
21 September 1988
Original: English

COMMITTEE 6

Belgium, Norway, Netherlands, United Kingdom

PROPOSALS FOR THE WORK OF THE CONFERENCE

BEL/G/HOL/NOR/311/1
SUP 792

Alternative allocation: in Belgium, Norway, the Netherlands and the United Kingdom, the band 4 500 - 4 800 MHz is allocated to the fixed and mobile services on a primary basis. Such use shall not impose power flux-density limitations on the fixed-satellite service greater than those given in No. 2566.

Reasons: To facilitate the introduction into the Radio Regulations of the Allotment Plan for the fixed-satellite service in the band 4 500 - 4 800 MHz being prepared by WARC ORB(88).

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INTERNATIONAL TELECOMMUNICATION UNION

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21 September 1988
Original: English

WORKING GROUP 4-C

SECOND AND LAST REPORT OF WORKING GROUP 4-C AD HOC 2

In accordance with its terms of reference, Working Group 4-C ad hoc 2 drafted the following two procedures to be included in the Appendix for the FSS Allotment Plan.

Article [C] - Procedure for a notification or a cancellation of an allotment in the Plan

Article [D] - Procedure for the addition of a new allotment to the Plan for a new ITU Member country

These two Articles are contained in Annexes 1 and 2 to this document; they are submitted to Working Group 4-C for further consideration.

W. BECKER
Chairman of Working Group 4-C ad hoc 2

Annexes: 2

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX 1

ARTICLE [C]

Procedure for a Modification or a Cancellation of an Allotment in the Plan

1. Application

1.1 An administration which wishes to modify or cancel any of its allotments in the Plan, or which wishes to modify any of its allotments for which the procedure in this Article has already been employed, whether or not the allotment has been brought into use, shall apply the procedure in this Article.

1.2 The procedure contained in this Article provides for the modification to be effected with the agreement of those administrations whose allotments may be affected when the initiating administration wishes to modify one or more of the following characteristics of an allotment:

- the orbital position within the predetermined arc;
- the predetermined arc;
- the service area and/or the beam(s);
- the generalized parameters appearing in the Plan.

2. Procedures for a modification of one or more of the characteristics of an allotment in the Plan not requiring the agreement of other administrations and for the cancellation of an allotment

2.1 No agreement is required in the event of a modification of the characteristics of an allotment in the Plan:

a) when only the name of the administration is changed; or

b) when an administration proposes to modify one orbital position to another compatible orbital position within the limits fixed by the predetermined arc associated with this orbital position; or

c) when an administration proposes to use a frequency bandwidth less than that recorded in the Plan; or

d) when the proposed modification of the characteristics of an allotment does not cause a higher level of interference to any other allotment or does not require more protection than that authorized in the Plan; or

e) when the proposed modification does not affect any other allotment in the Plan as prescribed in Annex [ ].

2.2 In this case, the administration shall send the relevant information as contained in Annex [ ] to the IFRB. The Board shall examine the information to confirm that the requested modification does not require the agreement of any other administration and shall then publish this information in a special section of its weekly circular. If, however, it concludes that the proposed modification requires the agreement of any other administration, it shall advise the requesting administration to follow the procedure described in section 3 below.

2.3 When an allotment in the Plan is no longer needed, the administration concerned shall immediately so inform the Board. The Board shall publish this information in a special section of its weekly circular.

2.4 In the cases of paragraphs 2.2 and 2.3, the Plan shall be updated accordingly. The updating is effective from the date of the weekly circular in which the information was published.

3. Procedure for a modification of one or more of the characteristics of an allotment in the Plan requiring the agreement of other administrations

3.1 When an administration intends to modify the characteristics of an allotment in the Plan requiring the agreement of other administrations, the following procedure shall be applied before any notification of the assignment, resulting from the implementation of an allotment, is made to the IFRB.

3.2 When the proposed modification to the Plan involves developing countries, administrations shall seek all practicable solutions conducive to the development of the telecommunication systems of these countries.

3.3 An administration proposing a modification to an allotment in the Plan, shall seek the agreement of those affected administrations having an allotment, including those in respect of which proposed modifications to the Plan have already been published by the Board. The allotments of an administration are considered to be affected when the limit specified in Annex [ ] is exceeded.

3.4 An administration proposing a modification to an allotment in the Plan shall send to the Board, not earlier than [five] years but preferably not later than [eighteen] months before the date on which the assignment is to be brought into use, the relevant information listed in Annex [ ]. The administration shall notify the Board of the names of the administrations whose agreement it considers should be sought as well as of those with which agreement has already been reached.

3.5 The Board shall determine on the basis of Annex [ ] the administrations whose allotments are considered to be affected. The Board shall include the names of those administrations with the information received under paragraph 3.4 and shall publish the complete information in a special section of its weekly circular. The Board shall immediately send the results of its calculations to the administration proposing the modification to the Plan.

3.6 The Board shall send a telegram to the administrations listed in the special section of the weekly circular drawing their attention to the information it contains and shall send them the results of the calculations.

3.7 An administration which feels that it should have been included in the list of administrations whose allotments are considered to be affected may, giving the technical reasons for so doing, request the Board to include its name. The Board shall study this request on the basis of Annex [ ] and shall send a copy of the request with an appropriate recommendation to the administration proposing the modification to the Plan.

3.8 The administration seeking agreement or the administration with which agreement is sought may request additional technical information it considers necessary. The administrations shall inform the Board of such requests.

3.9 Comments on the information published pursuant to paragraph 3.5 from administrations whose allotments are considered by the Board to be affect should be sent either directly to the administration proposing the modification or through the Board. In any event the Board shall be informed that comments have been made.

3.10 An administration which has not communicated its comments either to the administration seeking agreement or to the Board within a period of four months following the date of the weekly circular referred to in paragraph 3.5 shall be understood to have agreed to the proposed modification. This time limit may be extended by up to three months for an administration which has requested additional information under paragraph 3.8 or for an administration which has requested the assistance of the Board under paragraph 3.18. In the latter case, the Board shall inform the administrations concerned of this request.

3.11 If, in seeking agreement, an administration modifies its initial proposal, it shall again apply the provisions of paragraph 3.3 and the consequent procedure but only with respect to any other administration whose allotments may be affected as a result of modifications to the initial proposal.

3.12 If no comments have been received on the expiry of the period specified in paragraph 3.10 or if agreement has been reached with the administrations with which agreement was necessary, the administration proposing the modification shall inform the Board, indicating the final characteristics of the modified allotment together with the names of the administrations with which agreement has been reached.

3.13 The agreement of the administrations affected may also be obtained, in accordance with this Article, for a specified period.

3.14 The Board shall publish in a special section of its weekly circular the information it has received under paragraph 3.12 concerning the successful application of the procedure in this Article and shall modify the Plan accordingly.

3.15 The modified allotment(s) resulting from the application of the above provisions shall enjoy the same status as allotments in the Plan and will be considered as being in conformity with the Plan.

3.16 When an administration proposing to modify an allotment receives notice of disagreement from an administration whose agreement it has sought, it should first endeavour to solve the problem by exploring all possible means of meeting its requirement. If the problem cannot be solved by such means, the administration whose agreement has been sought should endeavour to overcome the difficulties as far as possible, and shall state the technical reasons for any disagreement if the administration seeking the agreement requests it to do so.

3.17 If no agreement is reached between the administrations concerned, the Board shall carry out any study that may be requested by these administrations. The Board shall inform them of the result of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

3.18 An administration may at any stage in the procedure described, or before applying it, request the assistance of the Board, particularly in seeking the agreement of another administration.

3.19 The relevant provisions of Article [ ] of this Appendix shall be applied when the allotment in the Plan is converted into an assignment an notified to the Board.

4. Master copy of the Plan

4.1 The Board shall maintain an up-to-date master copy of the Plan, taking account of the modifications as a result of the application of the procedure specified in this Article.

4.2 The Secretary-General shall be informed by the Board of modifications made to the Plan and shall publish an up-to-date version of the Plan in one or more appropriate forms when justified by the circumstances.

ANNEX 2

ARTICLE [D]

Procedure for the Addition of a New Allotment to the Plan for a New ITU Member Country

1. If an administration that has joined the Union as a new Member wishes to obtain an initial national allotment in the Plan, it shall be able to obtain a guaranteed allotment by the following procedure.

2. The administration shall submit its request for an allotment in the Plan to the Board containing the following information:

a) the geographical coordinates of the test points for the determination of the minimal ellipse and for computing interference (maximum ten test points);

b) the rain zone and the height above sea level of each test point;

c) any other special requirement that should be taken into account.

3. If the information is not adequate, the Board shall seek from the administration such additional information as it may need. The administration shall submit such information within 30 days.

4. On receipt of the complete information, the Board shall undertake studies to find a compatible allotment in the Plan for the administration. If the Board cannot find such an allotment, it shall proceed as prescribed in paragraph 8.

5. If the Board has found a compatible allotment in the Plan for the administration, it shall publish the results of its studies in a weekly circular asking all administrations to comment on these results within four months. If no comments from any administration are received within that period or if all administrations concerned agree, the Board shall proceed as prescribed in paragraph 16.

6. On receipt of comments from administrations, the Board shall examine the validity of those comments in accordance with Annex [ ]. If after mutual consultation between the Board and the commenting administrations, the comments are deemed by the Board to be not valid, it shall advise the commenting administrations and shall proceed as prescribed in paragraph 16.

7. If the Board finds that the comments submitted by administrations are valid, the Board shall undertake studies to find a possible alternative solution for obtaining a compatible allotment in the Plan for the administration. If such a solution exists, the Board shall act in accordance with paragraph 5.

8. If a compatible allotment cannot be found in the Plan or if an administration having submitted relevant comments does not agree to the solution proposed by the Board, the Board using the information given in Annex [ ] shall endeavour to find the most acceptable solution with minimum impact on other administrations.

9. The Board shall publish the results in its weekly circular and shall inform the affected administrations by a telegram requesting them to reply within four months. If no comments are received by the Board within that period or if all affected administrations agree to the proposed solution, the Board shall proceed as prescribed in paragraph 16.

10. If any comments are received by the Board from one of the affected administrations which indicates its disagreement, the Board shall endeavour to resolve the difficulties.

11. If the solution proposed by the Board does not require modification to other allotments [or assignments] in the Plan and if the affected administrations accept that solution, the Board shall proceed as prescribed in paragraph 16.

12. In the case where the proposed solution does not require modification to any other allotment [or assignment] in the Plan, but one or more of the affected administrations do not accept that solution, the Board shall invoke the relevant provisions of the Convention and shall seek the assistance of the administrations concerned to agree to the proposed solution.

13. If the proposed solution requires any modification to other allotments and if such a modification is accepted by the affected administration(s), the Board shall proceed as prescribed in paragraph 16.

14. If the proposed solution requires any modification to other allotments but is not accepted by the affected administration(s), the Board shall request the cooperation of the affected administration(s) in accordance with paragraph 1. If the affected administration(s) agree to the modification of their allotment(s), the Board shall proceed as prescribed in paragraph 16.

15. If an affected administration still does not agree to the proposed solution and if no other possible solution exists to find an allotment in the Plan for the administration, the Board shall publish an appropriate report to all administrations. It shall send a copy of that report to the Administrative Council which may make suitable arrangements to achieve a satisfactory solution to the problem.

16. If the Board has found a compatible allotment in the Plan for the new administration or if all affected administrations agree to the solution proposed by the Board, the Board shall publish the results in its weekly circular. It shall also then take the necessary steps to update the Plan. The new allotment shall enjoy the same status as those in the Plan.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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COMMITTEE 5

FOURTH REPORT OF THE CHAIRMAN OF WORKING GROUP 5-A TO COMMITTEE 5

The attached texts adopted by Working Group 5-A are submitted for consideration:

- Attachment 1: Format of the feeder-link Plan
- Attachment 2: Annex 3 of Appendix 30A

R. BARTON
Chairman of Working Group 5-A

Attachments: 2

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ATTACHMENT 1

FORMAT OF THE FEEDER-LINK PLAN

ARTICLE [9A]

Plan for the Feeder Links in the Fixed-Satellite Service in the Frequency Bands 14.5 - 14.8 and 17.3 - 18.1 GHz in Regions 1 and 3

[9.1] COLUMN HEADINGS OF THE PLAN

Col. 1 Beam identification (Column 1 contains the symbol designating the country or the geographical area taken from Table B1 of the Preface to the International Frequency List followed by the symbol designating the service area).

Col. 2 Nominal orbital position, in degrees and tenths of degree.

Col. 3 Channel number (see Tables 2A and 2B showing channel numbers and corresponding assigned frequencies).

Col. 4 Boresight geographical coordinates, in degrees and hundredths of a degree.

Col. 5 Antenna beamwidth. This column contains two figures corresponding to the major axis and the minor axis respectively of the elliptical cross-section half-power beam, in degrees and hundredths of a degree.

Col. 6 Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree.

Col. 7 Polarization (1 = direct, 2 = indirect).

Col. 8 Nominal earth station e.i.r.p.

Col. 9 Permitted increase in earth station e.i.r.p. for purpose of power control (see [ ]).

Col. 10 Remarks.

TABLE 2A

Table showing correspondence between channel numbers and assigned frequencies in the BSS R1, 3 Plan in the frequency band 17.3 GHz to 18.1 GHz

Channel No.	Feeder assignm. (MHz)	Channel No.	Feeder assignm. (MHz)
1	17 327.48	21	17 711.08
2	17 346.66	22	17 730.26
3	17 365.84	23	17 749.44
4	17 385.02	24	17 768.62
5	17 404.20	25	17 787.80
6	17 423.38	26	17 806.98
7	17 442.56	27	17 826.16
8	17 461.74	28	17 845.34
9	17 480.92	29	17 864.52
10	17 500.10	30	17 883.70
11	17 519.28	31	17 902.88
12	17 538.46	32	17 922.06
13	17 557.64	33	17 941.24
14	17 576.82	34	17 960.42
15	17 596.00	35	17 979.60
16	17 615.18	36	17 998.78
17	17 634.36	37	18 017.96
18	17 653.54	38	18 037.14
19	17 672.72	39	18 056.32
20	17 691.90	40	18 075.50

TABLE 2B

Table showing correspondence between channel numbers and assigned frequencies for the feeder links in the frequency band 14.5 - 14.8 GHz

Channel No.	Feeder assignm. (MHz)
1	14 525.30
2	14 544.48
3	14 563.66
4	14 582.84
5	14 602.02
6	14 621.20
7	14 640.38
8	14 659.56
9	14 678.74
10	14 697.92
11	14 717.10
12	14 736.28
13	14 755.46
14	14 774.64

ATTACHMENT 2

ANNEX 3

Technical Data Used in Establishing the Provisions and Associated Plan and Which Should Be Used for their Application

1. Definitions

1.1 Feeder link

The term feeder link, as defined in No. 109 of the Radio Regulations is further qualified to indicate a fixed-satellite service link in the frequency band 17.3 - 17.8 GHz in the Region 2 broadcasting-satellite service Plan and in the frequency bands 14.5 - 14.8 GHz, 17.3 - 18.1 GHz in the Regions 1 and 3 Plan from any earth station within the feeder-link service area to the associated space station in the broadcasting-satellite service.

1.2 Feeder-link beam area

The area delineated by the intersection of the half-power beam of the satellite receiving antenna with the surface of the Earth.

1.3 Feeder-link service area

The area on the surface of the Earth within the feeder-link beam area within which the administration responsible for the service has the right to locate transmitting earth stations for the purpose of providing feeder links to broadcasting-satellite stations.

1.4 Nominal orbital position

The longitude of a position in the geostationary-satellite orbit associated with a frequency assignment to a space station in a space radiocommunication service. The position is given in degrees from the Greenwich meridian.

1.5 Adjacent channel

The RF channel in the broadcasting-satellite service frequency Plan, or in the associated feeder-link frequency Plan, which is situated immediately higher or lower in frequency with respect to the RF reference channel.

1.6 Second adjacent channel (Region 2)

The RF channel in the broadcasting-satellite service frequency Plan, or in the associated feeder-link frequency Plan, which is situated immediately beyond either of the adjacent channels.

1.6bis Feeder-link equivalent protection margin for Regions 1 and 3

The feeder-link equivalent protection margin (M_u) is given by the formula:

$$M_u = -10 \log (10^{-M_1/10} + 10^{-M_2/10} + 10^{-M_3/10}) \text{ dB}$$

where M_1 is the value in dB of the protection margin for the same channel, i.e.:

$$M_1 = \frac{\text{wanted power (dB)}}{\text{sum of the co-channel interfering powers}} - \text{co-channel protection ratio (dB)}$$

M_2 and M_3 are the values in dB of the protection margin for respectively the upper and lower adjacent channel, i.e.:

$$M_2 = \frac{\text{wanted power (dB)}}{\text{sum of the upper adjacent channel interfering powers}} - \text{adjacent channel protection ratio (dB)}$$

$$M_3 = \frac{\text{wanted power (dB)}}{\text{sum of the lower adjacent channel interfering powers}} - \text{adjacent channel protection ratio (dB)}$$

All powers are evaluated at the receiver input. All protection ratios are given in section 3.3 of this annex.

1.7 Overall carrier-to-interference ratio (Region 2)

The overall carrier-to-interference ratio is the ratio of the wanted carrier power to the sum of all interfering RF powers in a given channel including both feeder links and down-links. The overall carrier-to-interference ratio due to interference from the given channel is calculated as the reciprocal of the sum of the reciprocals of the feeder-link carrier-to-interference ratio and the down-link carrier-to-interference ratio referred to the satellite receiver input and earth station receiver input, respectively[1].

1.8 Overall co-channel protection margin (Region 2)

The overall co-channel protection margin in a given channel is the difference in dB between the overall co-channel carrier-to-interference ratio and the co-channel protection ratio.

---

[1] In Region 2 there are a total of five overall carrier-to-interference ratios used in the analysis of the Plan, namely, co-channel, upper and lower adjacent channels and upper and lower second adjacent channels. In Regions 1 and 3, three ratios are used, namely, co-channel and upper and lower adjacent channels; three ratios are used, decided to assess the relative contributions of the feeder links and down-links separately.

1.9 Overall adjacent channel protection margin (Region 2)

The overall adjacent channel protection margin is the difference, in dB, between the overall adjacent channel carrier-to-interference ratio and the adjacent channel protection ratio.

1.10 Overall second adjacent channel protection margin (Region 2)

The overall second adjacent channel protection margin is the difference in dB between the overall second adjacent channel carrier-to-interference ratio and the second adjacent channel protection ratio.

1.11 Overall equivalent protection margin

For Region 2

The overall equivalent protection margin M is given in dB by the expression:

$$M = -10 \log \left(\sum_{i=1}^{5} 10^{(-M_i/10)} \right) \quad \text{(dB)}$$

where:

M_1 = overall co-channel protection margin, in dB (as defined in section 1.8)

M_2, M_3 = overall adjacent channel protection margins for the upper and lower adjacent channels respectively, in dB (as defined in section 1.9)

M_4, M_5 = overall second adjacent channel protection margins for the upper and lower second adjacent channels respectively, in dB (as defined in section 1.10).

The adjective "equivalent" indicates that the protection margins for all interference sources from the adjacent and second adjacent as well as co-channel interference sources have been included.

For Regions 1 and 3

The overall equivalent protection margin M is given in dB by the expression:

$$M = -10 \log \left[10^{-(M_u+R_{cu})/10} + 10^{-(M_d+R_{cd})/10} \right] - R_{co}$$

where:

M_u = equivalent protection margin for the feeder link (as defined in section 1.6bis of this annex)

M_d = equivalent protection margin for the down-link (as defined in Appendix 30 in section 3.4)

R_{cu} = co-channel feeder-link protection ratio

R_{cd} = co-channel down-link protection ratio

R_{co} = co-channel overall protection ratio.

The values of the protection ratios are as follows:

R_{cu} = 40 dB

R_{cd} = 31 dB

R_{co} = 30 dB

The adjective "equivalent" indicates that the protection margins for all interference sources from the adjacent channels as well as co-channel interference sources have been included.

2. Radio propagation factors

The propagation loss on an earth-space path is equal to the free-space path loss plus the atmospheric absorption loss plus the rain attenuation exceeded for 1% of the worst month in Region 2. In Regions 1 and 3, the atmospheric absorption loss is not included.

2.1 Atmospheric absorption

For Region 2

The loss due to atmospheric absorption (i.e. clear sky attenuation) is given by:

$$A_a = \frac{92.20}{\cos\theta}\left(0.020F_o + 0.008\,\rho F_w\right) \quad \text{(dB)} \quad \text{for } \theta < 5^\circ$$

where:

$$F_o = \left\{24.88\tan\theta + 0.339\sqrt{1416.77\tan^2\theta + 5.51}\right\}^{-1}$$

$$F_w = \left\{40.01\tan\theta + 0.339\sqrt{3663.79\tan^2\theta + 5.51}\right\}^{-1}$$

and:

$$A_a = \frac{0.0478 + 0.0118\,\rho}{\sin\theta} \quad \text{(dB)} \quad \text{for } \theta \geq 5^\circ$$

where:

θ = the elevation angle (degrees),
ρ = the surface water vapour concentration, g/m^3, with
ρ = 10 g/m^3 for rain-climatic zones A to K and
ρ = 20 g/m^3 for rain-climatic zones M to P

For Regions 1 and 3

In the Regions 1 and 3 feeder-link Plan, for calculations of margins the loss due to atmospheric absorption is not included.

2.2 Rain attenuation

The propagation model for feeder links using circularly polarized signals is based on the value of rain attenuation for 1% of the worst month.

Figures 1, 2, 3 give the rain climatic zones for Regions 1, 2, 3 respectively.

Figure 4 presents plot of rain attenuation of circularly polarized signals exceeded for 1% of the worst month at 17.5 GHz as a function of earth station latitude and elevation angle for each of the rain climatic zones in Region 2.

For calculation, the following data are needed:

$R_{0.01}$: point rainfall rate for the location exceeded for 0.01% of an average year (mm/h)

h_o: the height above mean sea level of the earth station (km)

θ: the elevation angle (degrees)

f: frequency (GHz)

ζ: latitude of earth station (degrees).

Mean frequencies will be used for calculations for the frequency bands, i.e. 17.7 GHz and 14.65 GHz for Regions 1 and 3, 17.5 GHz for Region 2.

Step 1 - The mean zero-degree isotherm height h_F is:

$$h_F = 5.1 - 2.15 \log \left[1 + 10^{\frac{(|\zeta| - 27)}{25}} \right] \text{(km)}$$

Step 2 - The rain height h_R is:

$$h_R = C.h_F$$

where:

$C = 0.6$ for $0° \leq |\zeta| < 20°$

$C = 0.6 + 0.02\ (|\zeta| - 20)$ for $20° \leq |\zeta| < 40°$

$C = 1$ for $|\zeta| \geq 40°$

Step 3 - The slant-path length, L_s, below the rain height is:

$$L_s = \frac{2(h_R - h_o)}{\left[\sin^2 \theta + 2 \frac{(h_R - h_o)}{R_e} \right]^{1/2} + \sin \theta} \text{ (km)}$$

where:

R_e is the effective radius of the Earth (8,500 km)

Step 4 - The horizontal projection, L_G, of the slant-path is:

$$L_G = L_s \cos \theta \text{ (km)}$$

Step 5 - The rain path reduction factor $r_{0.01}$ for 0.01% of the time is:

$$r_{0.01} = \frac{90}{90 + 4 L_G}$$

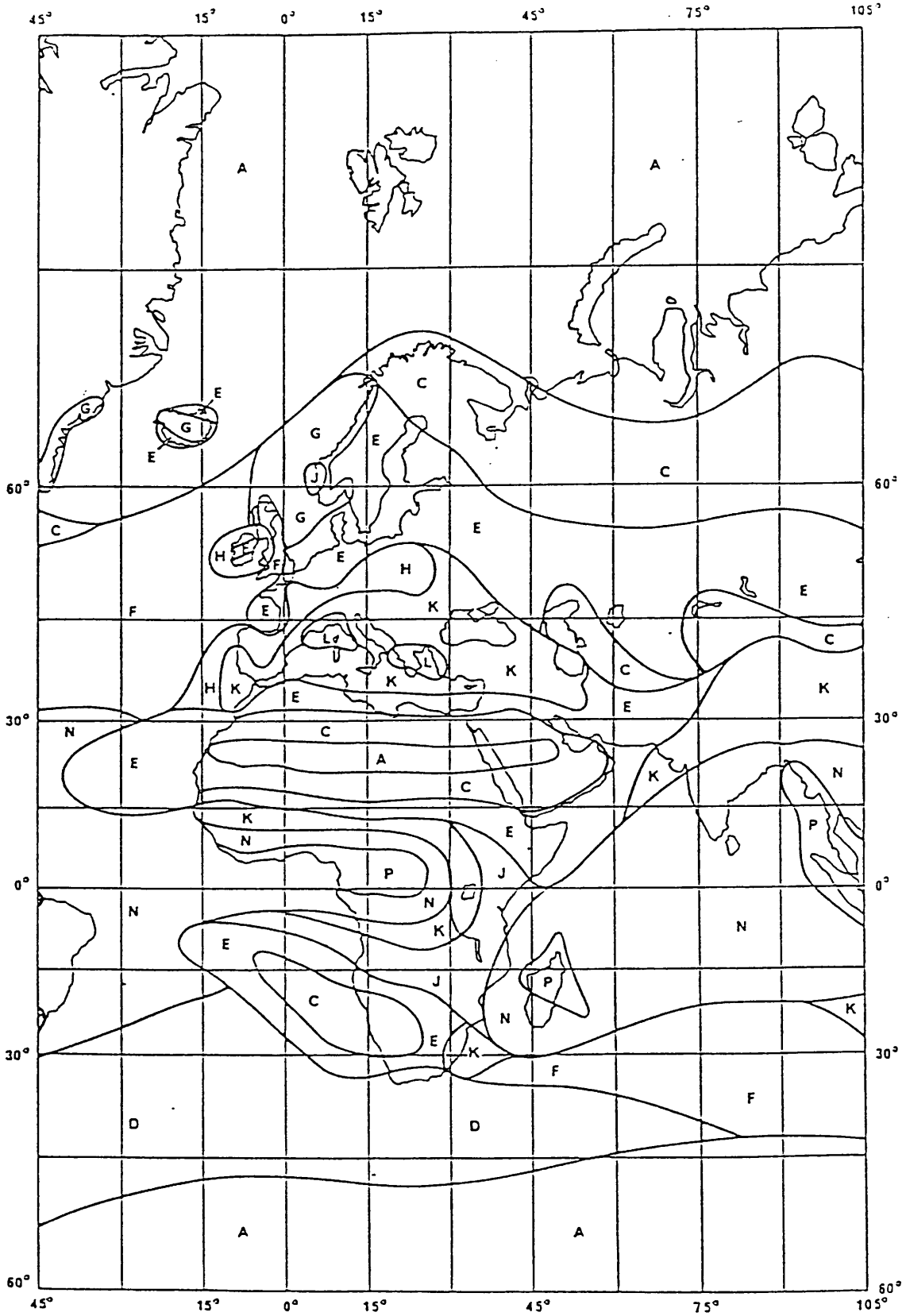


FIGURE 1

Rain climatic zones (Region 1)

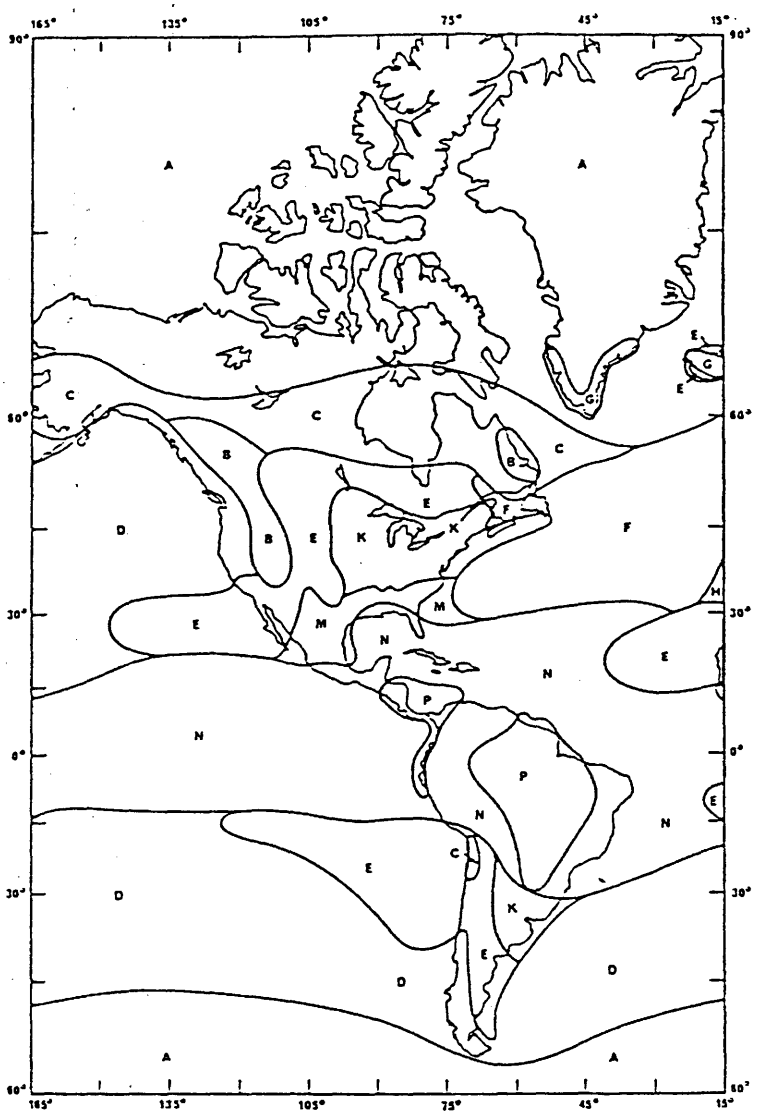


FIGURE 2

Rain climatic zones (Region 2)

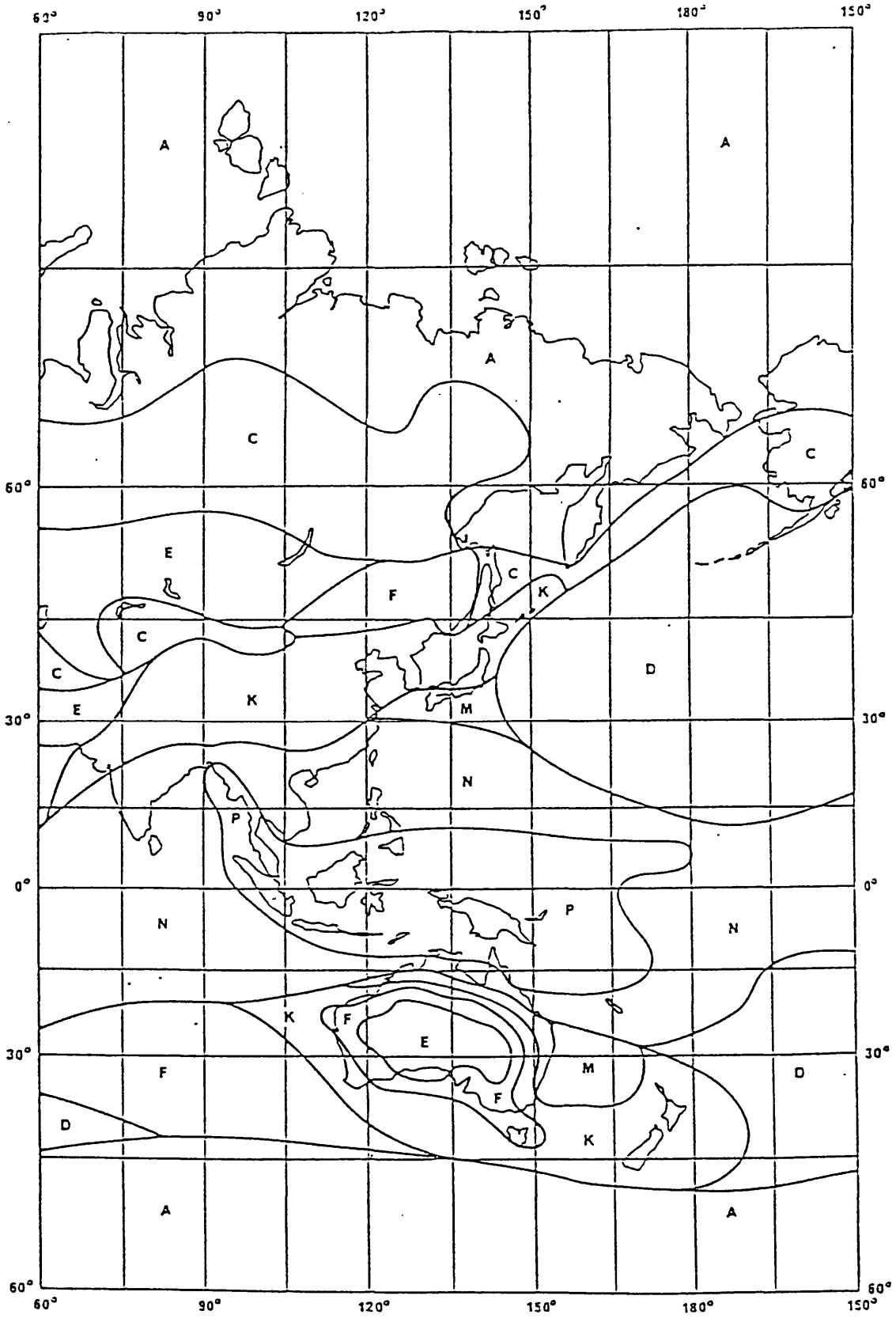
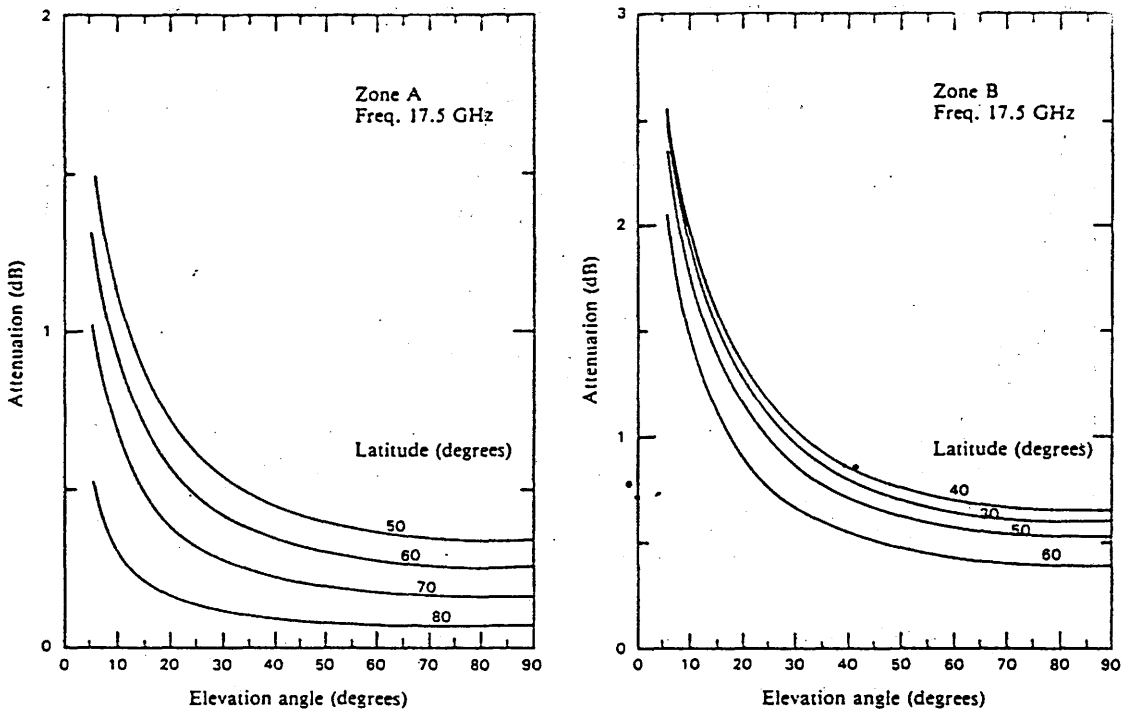


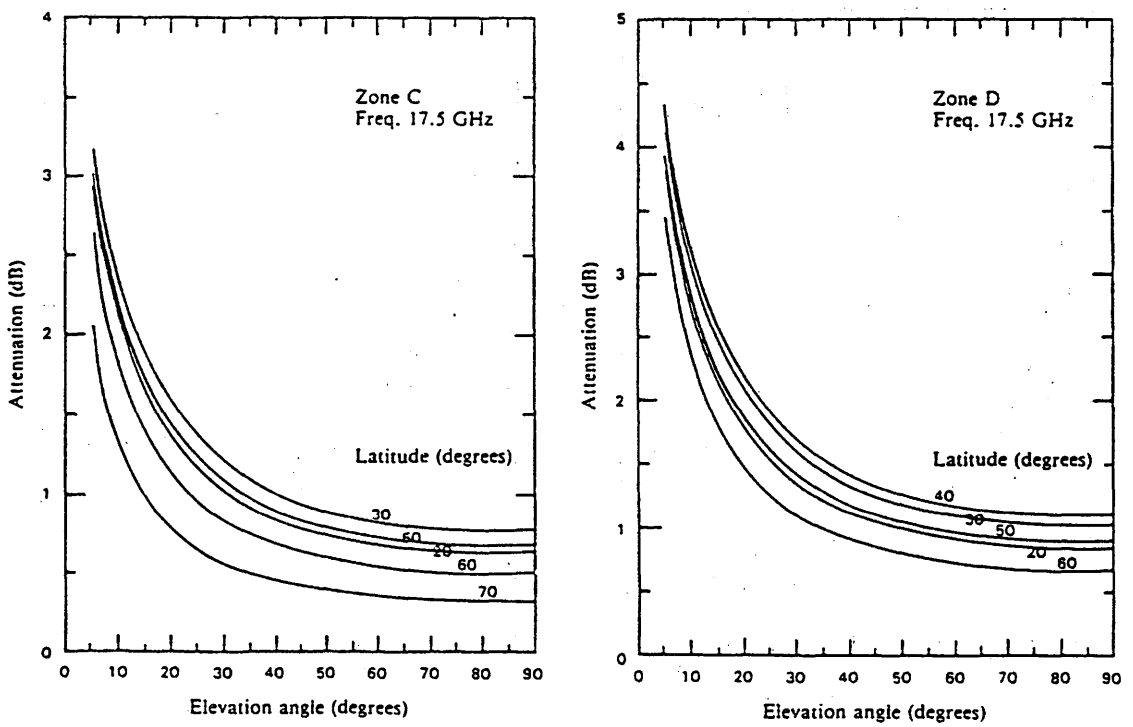
FIGURE 3

Rain climatic zones (Region 3)



a) Rain climatic zone A

b) Rain climatic zone B

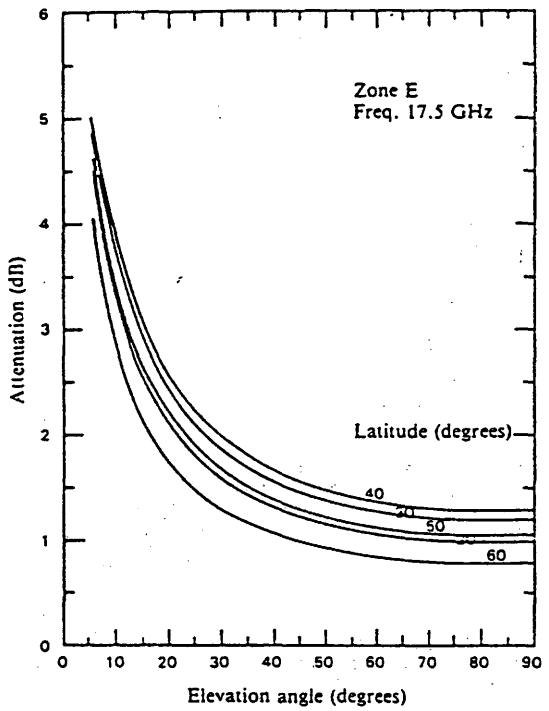


c) Rain climatic zone C

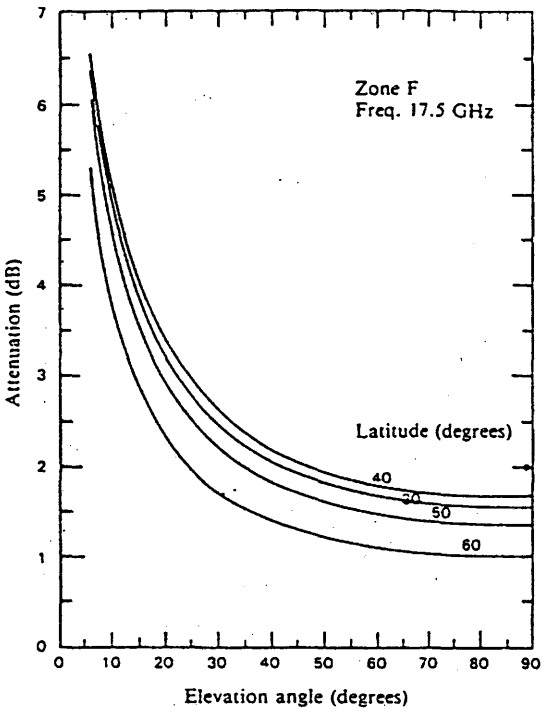
d) Rain climatic zone D

FIGURE 4

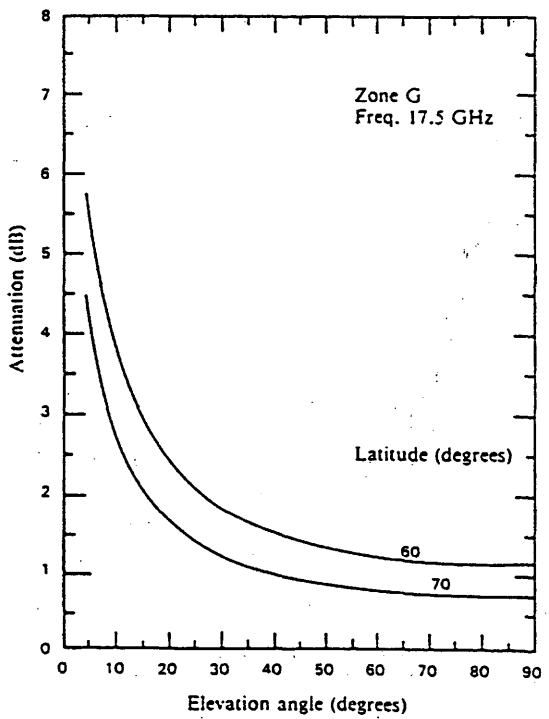
Rain attenuation values exceeded for 1% of the worst month (sea level) for Region 2 rain climatic zones



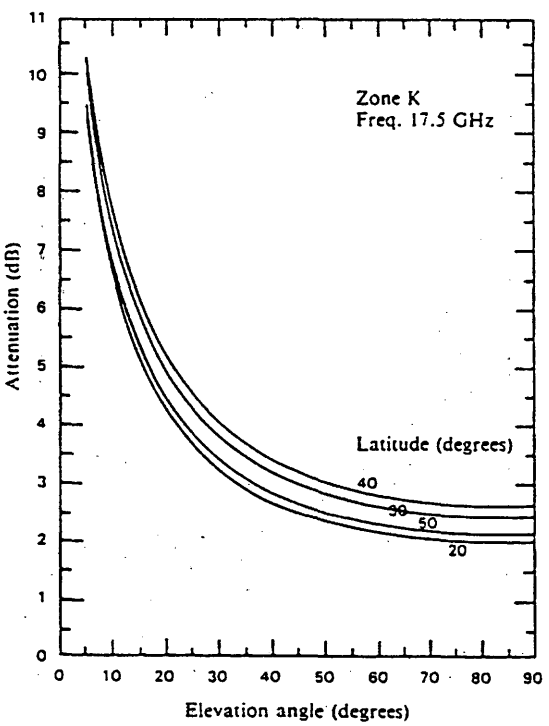
e) Rain climatic zone E



f) Rain climatic zone F



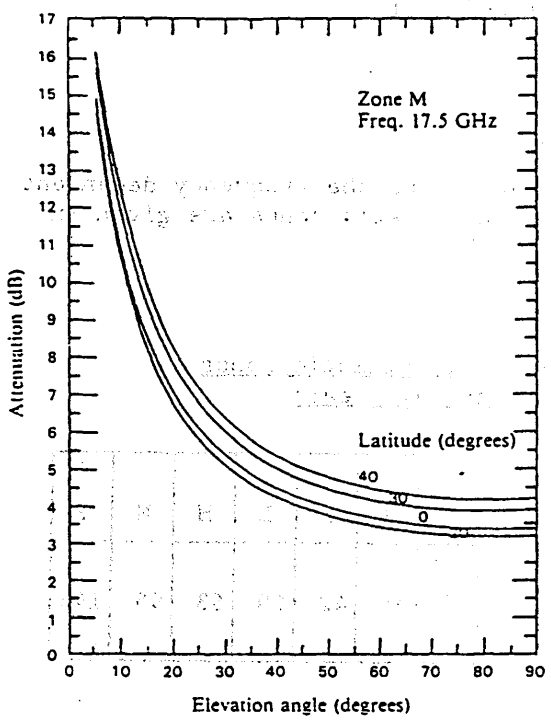
g) Rain climatic zone G



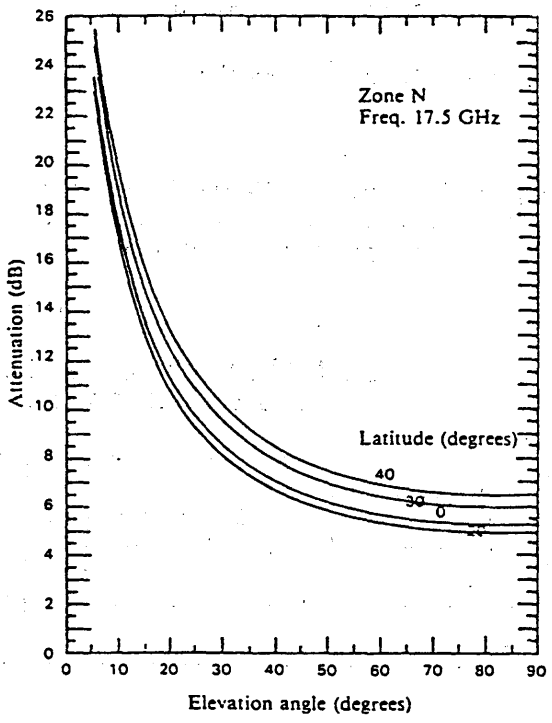
h) Rain climatic zone K

FIGURE 4(cont.)

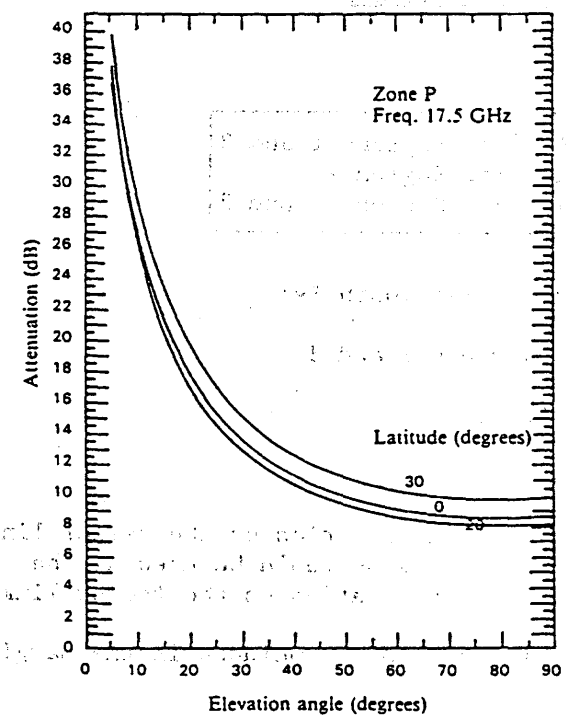
Rain attenuation values exceeded for 1% of the worst month (sea level) for Region 2 rain climatic zones



i) Rain climatic zone M



j) Rain climatic zone N



k) Rain climatic zone P

FIGURE 4(cont.)

Rain attenuation values exceeded for 1% of the worst month (sea level) for Region 2 rain climatic zones

Step 6 - The specific attenuation γ_R, is determined from:

$$\gamma_R = k\ (R_{0.01})^{\alpha}\ (dB/km)$$

where:

$R_{0.01}$ is given in Table 5 for each climatic zone the frequency dependent coefficients k and α are given in Table 6 and rain climatic zones are given in Figures 1, 2, 3 respectively for Regions 1, 2 and 3.

TABLE 5

Rainfall intensity (R) for the rain climatic zones
(exceeded for 0.01% of an average year)

Rain-climatic zone	A	B	C	D	E	F	G	H	J	K	L	M	N	P
Rainfall intensity (mm/b)	8	12	15	19	22	28	30	32	35	42	60	63	95	145

TABLE 6

Frequency dependent coefficients

Frequency GHz	k	α	
14.65	0.0327	1.149	For Regions 1 and 3
17.5	0.0521	1.114	For Region 2
17.7	0.0531	1.110	For Regions 1 and 3

Step 7 - The attenuation exceeded for 1% of the worst month is:

$$A_{1\%} = 0.223\ \gamma_R\ L_s\ r_{0.01}\ (dB) \text{ for Regions 1 and 3}$$

$$A_{1\%} = 0.21\ \gamma_R\ L_s\ r_{0.01}\ (dB) \text{ for Region 2}$$

2.3 Rain attenuation limit

In the analysis of the Plan, a maximum rain attenuation on the feeder link of 13 dB in Region 2 was considered assuming that other means would be used at the implementation stage to compensate for larger rain attenuation on the feeder link.

In the Regions 1 and 3 Plan, no rain attenuation is included in the margins.

2.4 Depolarization

Rain and ice can cause depolarization of radio frequency signals. The level of the co-polar component relative to the depolarized component is given by the cross-polarization discrimination (XPD) ratio. For the feeder link, the XPD ratio, in dB, not exceeded for 1% of the worst month, is given by:

$$XPD = 30 \log f - 40 \log (\cos \theta) - V \log Ap \text{ (dB) for } 5° \leq \theta \leq 60°$$

where:

$V = 20$ for 14.5 - 14.8 GHz

and

$V = 23$ for 17.3 - 18.1 GHz

where:

Ap: co-polar rain attenuation exceeded for 1% of the worst month

f: frequency (GHz)

θ: elevation angle (degrees).

For values of θ greater than 60°, use $\theta = 60°$ in the above equation.

2.5 Procedure for calculating the carrier-to-interference ratio at a space station receiver input

In Region 2, the calculation of the feeder-link carrier-to-interference ratio (exceeded for 99% of the worst month) at a space station receiver input used to obtain the overall equivalent protection margin at a test point assumes a rain attenuation value not exceeded for 99% of the worst month on the wanted feeder-link path. For the interfering feeder-link signal path, clear sky propagation (i.e. including atmospheric absorption only) is assumed.

In Regions 1 and 3, the calculation of the feeder-link carrier-to-interference ratio at a space station receiver input used to obtain the equivalent protection margin at a test point assumes free space conditions on the wanted feeder-link path and on the interfering feeder-link path.

3. Basic technical characteristics for Regions 1 and 3

3.1 Translation frequency and guard bands

a) 17 GHz feeder links

The feeder-link Plan uses generally a frequency translation of 5.6 GHz between the 17 GHz feeder-link channels and the 12 GHz down-link channels. Other values of the translation frequency may be used, provided that the corresponding channels have been assigned to the space station of the administration concerned.

With the value frequency translation between the feeder-link frequency band (17.3 - 18.1 GHz in Regions 1 and 3 and the down-link frequency band (11.7 - 12.5 GHz in Region 1 and 11.7 - 12.2 GHz in Region 3), the guard bands present in the down-link Plan result in corresponding bandwidths of 11 MHz at the upper and 14 MHz at the lower feeder-link band edges. These feeder-link guard bands may be used for transmissions in the space operation service.

b) 14 GHz feeder-links

As the maximum available bandwidth for the feeder-link band 14.5 - 14.8 GHz is only 300 MHz as against 800 and 500 MHz in the down-link Plan for Regions 1 and 3, respectively several translation frequencies must be considered to allow any channel in the Plan to be used. Consequently, a particular feeder-link channel has been assigned to several BSS Plan channel simultaneously.

Generally, the translation frequencies from the feeder-lin channels are:

a)	2 797.82 MHz to down-link BSS channels	1 to 14
b)	2 529.30 MHz to down-link BSS channels	15 to 28
c)	2 260.78 MHz to down-link BSS channels	29 to 40

The guard bands are 11.80 MHz at the lower band edge and 11.86 MHz at the upper band edge.

3.2 Carrier-to-noise ratio

Section 3.3 of Annex 5 to Appendix 30(Orb-85) provides guidance for planning and the basis for the evaluation of the carrier-to-noise ratios of the feeder-link and down-link Plans.

As guidance for planning, the reduction in quality in the down-link due to thermal noise in the feeder link is taken as equivalent to a degradation in the down-link carrier-to-noise ratio of approximately 0.5 dB not exceeded for 99% of the worst month.

For down-links, the WARC BS-77 has adopted a figure of C/N equal to 14.5 dB for 99% of the worst month at the edge of the service area. The required feeder link C/N is 24 dB for 99% of the worst month, at the edge of the service area to produce an overall C/N performance of 14 dB.

3.3 Protection ratios

For planning in Regions 1 and 3 the following protection ratios have been applied for the purpose of calculating the feeder-link equivalent protection margins:

- co-channel protection ratio = 40 dB;
- adjacent channel protection ratio = 21 dB.

The method for the calculation of the feeder-link equivalent protection margin is given in section 1.6bis of this annex.

3.3bis Feeder-link e.i.r.p.

The level of e.i.r.p. of each feeder link is specified in column 8 of the Plan.

The level of e.i.r.p. specified in the Plan can only be exceeded under certain conditions explained in section 3.10 of this annex and the excess is given in column 9 of the Plan.

3.4 Transmitting antenna

3.4.1 Antenna diameter

The feeder-link Plan is based on an antenna diameter of 5 meters for the band 17.3 - 18.1 GHz and 6 meters for the band 14.5 - 14.8 GHz.

The minimum antenna diameter permitted in the Plan is 2.5 meters. However, for antennas smaller than 5 meters for the 17.3 - 18.1 GHz band and 6 meters for the 14.5 - 14.8 GHz band, the off-axis e.i.r.p. should not exceed the limits indicated in Figure [A] of Section 3.4.3 of this annex.

3.4.2 On-axis gain

The on-axis gain for the 5 meter antenna at 17.3 - 18.1 GHz and for the 6 meter antenna at 14.5 to 14.8 GHz is taken as 57 dBi.

3.4.3 Off-axis e.i.r.p. of transmitting antennas

The co-polar and cross-polar off-axis e.i.r.p.s for planning in Regions 1 and 3 are given in Figure [A].

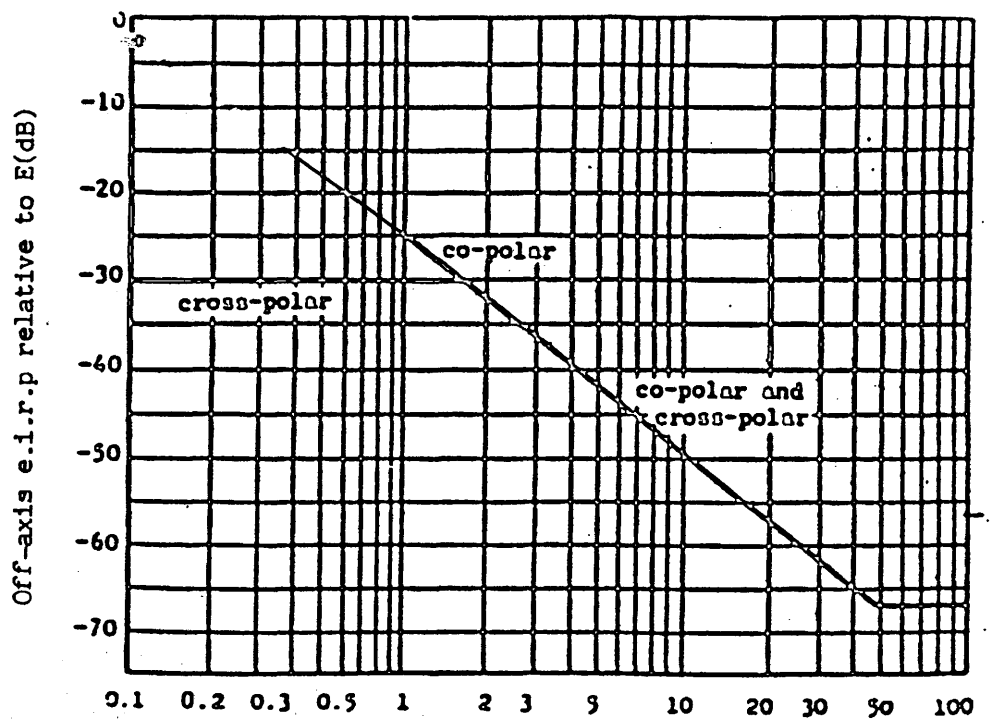


FIGURE [A]

Earth station off-axis e.i.r.p.

Co-polar component (dBW):

$E - (dBW)$ for $0° < \theta \leq 0.1°$
$E - 21 - 20 \log \theta$ (dBW) for $0.1° < \theta \leq 0.32°$
$E - 5.7 - 53.2\ \theta^2$ (dBW) for $0.32° < \theta \leq 0.44°$
$E - 25 - 25 \log \theta$ (dBW) for $0.44° < \theta \leq 48°$
$E - 67$ (dBW) for $\theta > 48°$

Cross-polar component (dBW):

$E - 30$ (dBW) for $0° \leq \theta \leq 1.6°$
$E - 25 - 25 \log \theta$ (dBW) for $1.6° < \theta \leq 48°$
$E - 67$ (dBW) for $\theta > 48°$

where:

E (dBW) is the earth station on-axis e.i.r.p.

and

θ = off-axis angle referred to the main lobe axis (degrees).

The value of "E" to be taken into account in the above formula is specified in column 8 of the Plan.

3.4.4 Pointing accuracy

The Plan has been developed to accommodate a loss in gain due to earth station antenna miss-pointing of 1 dB.

3.5 Transmitter power

The maximum transmitter power delivered to the input of the antenna of the feeder-link earth station per 27 MHz television channel should be such as to ensure that the e.i.r.p. envelope in section 3.4.3 is not exceeded except under certain conditions specified in section 3.10 of this annex.

3.6 Satellite receiving antenna

3.6.1 Cross-section of receiving antenna beam

Planning has been based on beams of elliptical or circular cross-section. When the assignments are implemented, or when the Plan is modified, administrations may use non-elliptical or shaped beams.

If the cross-section of the receiving antenna beam is elliptical, the effective beamwidth φ_o is a function of the angle of rotation q between the plan containing the satellite and the major axis of the beam cross-section and the plane in which the beamwidth is required.

The relationship between the maximum gain of an antenna and the half-power beamwidth can be derived from the expression:

$$G_m = 27\,843/ab$$

or

$$G_m(dB) = 44.44 - 10 \log a - 10 \log b$$

where:

a and b are the angles (in degrees) subtended at the satellite by the major and minor axes of the elliptical cross-section of the beam.

An antenna efficiency of 55% is assumed.

3.6.2 Minimum beamwidth

A minimum value of 0.6° for the half-power beamwidth of the receiving antenna has been used for planning.

3.6.3 Reference patterns

The reference patterns for the co-polar and cross-polar components of the satellite receiving antenna used in the Plan are given in Figure [B].

In some cases, to reduce interference, the pattern shown in Figure [C] is used; this use will be indicated in the Plan by the note [1]. This pattern is derived from an antenna producing an elliptical beam with fast roll-off in the main lobe. Three curves for different values of φ_0 are shown as examples.

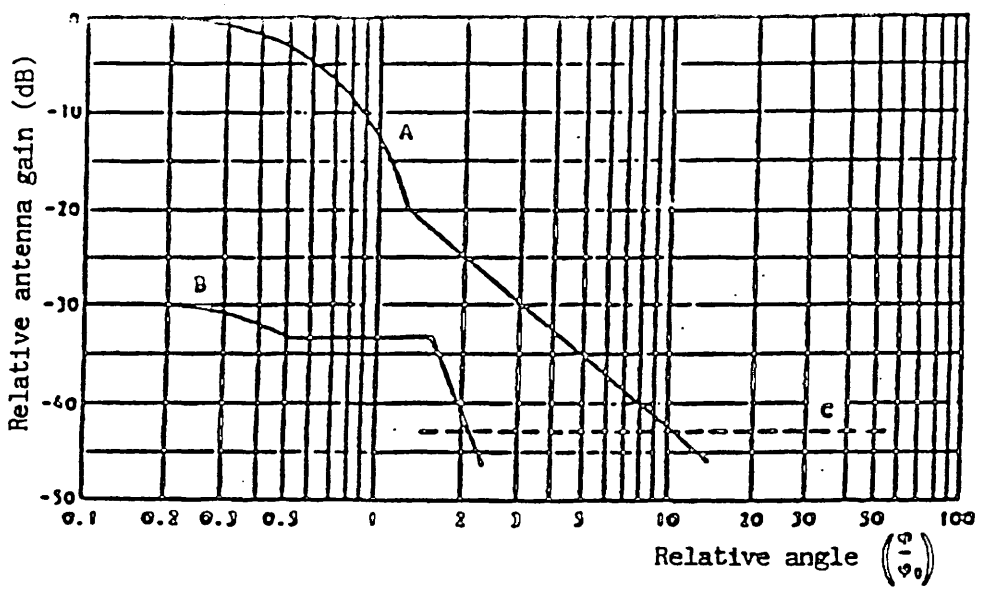


FIGURE [B]

Satellite receive antenna reference pattern
generally used in Regions 1 and 3

Curve A - co-polar component

The co-polar reference pattern is given by the formula:

Co-polar relative gain (dB)

$$G = -12\left(\frac{\varphi}{\varphi_o}\right)^2 \text{ for } 0 \leq \frac{\varphi}{\varphi_o} \leq 1.30$$

$$G = -17.5 - 25 \log\left(\frac{\varphi}{\varphi_o}\right) \text{ for } \frac{\varphi}{\varphi_o} > 1.30$$

After intersection with curve C: as curve C

(curve C equals minus the on-axis gain).

Curve B - cross-polar component

The cross-polar reference pattern is given by the formula:

Cross-polar relative gain (dB)

$$G = -30 - 12\left(\frac{\varphi}{\varphi_o}\right)^2 \text{ for } 0 \leq \frac{\varphi}{\varphi_o} \leq 0.5$$

$$G = -33 \text{ for } 0.5 < \frac{\varphi}{\varphi_o} \leq 1.67$$

$$G = -40 + 40 \log \left(\frac{\varphi}{\varphi_o} - 1\right) \text{ for } \frac{\varphi}{\varphi_o} > 1.67$$

After intersection with curve C: as curve C

(curve C equals minus the on-axis gain).

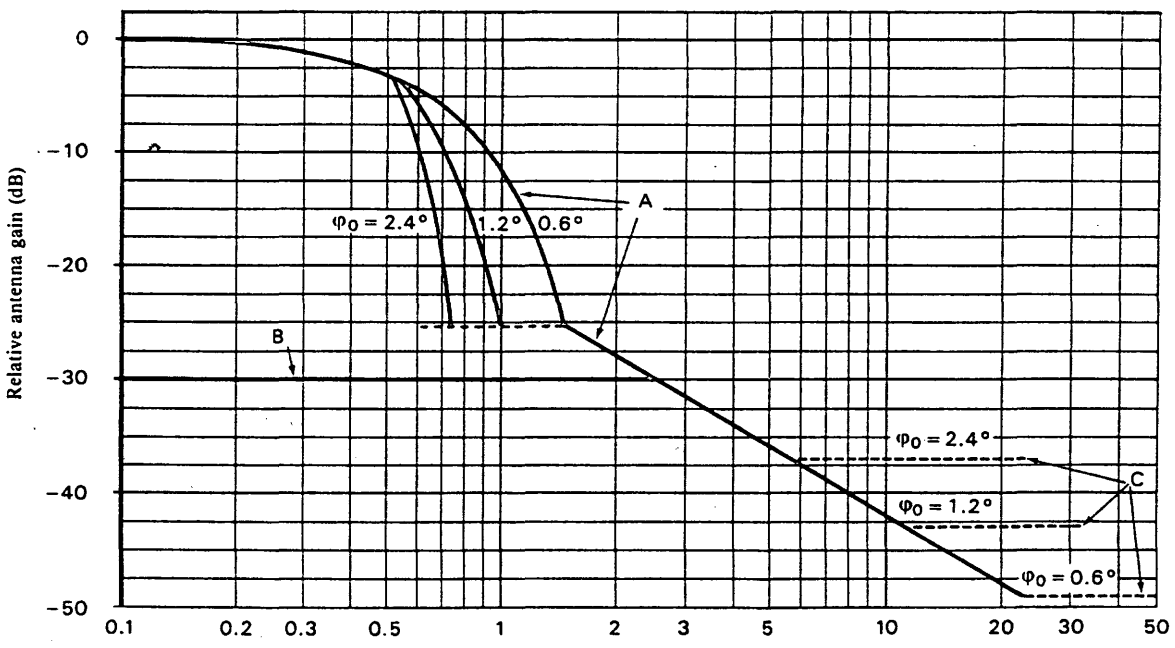


FIGURE [C]

Reference patterns for co-polar and cross-polar components for satellite receiving antennas with fast roll-off in the main beam for Regions 1 and 3

Curve A: Co-polar component (dB relative to main beam gain)

$-12\,(\varphi/\varphi_0)^2$ for $0 \leq \varphi/\varphi_0 \leq 0.5$

$-33.33\,\varphi_0^2\,(\varphi/\varphi_0 - x)^2$ for $0.5 < \varphi/\varphi_0 \leq \frac{0.87}{\varphi_0} + x$

-25.23 for $\frac{0.87}{\varphi_0} + x < \varphi/\varphi_0 \leq 1.413$

$-\left(22 + 20 \log (\varphi/\varphi_0)\right)$ for $\frac{\varphi}{\varphi_0} > 1.413$

after intersection with curve C: as curve C

Curve B: Cross-polar component (dB relative to main beam gain)

-30 for $0 \leq \varphi/\varphi_0 < 2.51$

after intersection with curve A: as curve A

Curve C: Minus the on-axis gain (Curves A and C represent examples for three antennas having different values of φ_0 as labelled in Figure [C]. The on-axis gains of these antennas are 37, 43 and 49 dBi, respectively).

where:

φ = off-axis angle (degrees)

φ_0 = dimension of the minimum ellipse fitted around the feeder-link service area in the direction of interest (degrees)

$$x = 0.5\left[1 - \frac{0.6}{\varphi_0}\right].$$

3.6.4 Pointing accuracy

The deviation of the receiving antenna beam from its nominal pointing direction must not exceed 0.2° in any direction. Moreover, the angular rotation of the receiving beam about its axis must not exceed ± 1°; this latter limit is not necessary for beams of circular cross-section using circular polarization.

3.7 System noise temperature

The values of the satellite system noise temperature which are generally used in the Plan are 1800 K for 17 GHz and 1500 K for 14 GHz.

3.8 Polarization

In Regions 1 and 3, for the purpose of planning the feeder links, circular polarization is used.

3.9 Automatic gain control

The down-link plan was based on constant satellite output power. However, the feeder-link Plan does not take account of the effect of A.G.C. on board satellites. Up to 15 dB of A.G.C. is permitted, subject to no increase in interference to other satellite systems.

3.10 Power control

[Must be discussed and inserted later.]

3.11 Site diversity

Site diversity refers to the alternate use during rain of two or more transmitting earth stations which may be separated by sufficient distance to ensure uncorrelated rainfall conditions.

The use of site diversity is permitted and is considered to be an effective technique for maintaining high carrier-to-noise ratio and carrier-to-interference ratio during periods of moderate to severe rain attenuation. However, the Plan is not based on the use of site diversity.

3.12 Depolarization compensation

The Plan is developed without the use of depolarization compensation. Depolarization compensation is permitted only to the extent that interference to other satellites does not increase by more than 0.5[1] dB relative to that calculated in the feeder-link Plan.

3.12bis Amplitude-modulation to phase-modulation conversion

The degradation caused by AM to PM conversion was taken into account when calculating the carrier-to-noise ratio of the feeder link. A value of 2.0 dB was allowed.

3.13 Orbit positions

The Plan is based on the use of geostationary-satellite orbit positions spaced in a regular arrangement of 6°. The orbit positions are those given in the Plan plus the 116°E, 164°E, 176°E, 178°W, 172°W, 166°W positions.

Around a nominal position, small orbital separations up to ± 0.2° are permitted.

4. Basic technical parameters for Region 2

No change.

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[1] This margin has to be shared between power control effects and depolarization compensation effects, when both are involved (see 3.10).

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 314-E
21 September 1988
Original: English

Source: Document DT/69

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE
WORKING GROUP OF THE PLENARY TO THE
CHAIRMAN OF COMMITTEE 6

The Working Group of the Plenary adopted this Resolution [GT-PLEN/2] and submitted it for your consideration.

R. RYVOLA
Chairman of the Working Group
of the Plenary

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

DRAFT RESOLUTION [GT-PLEN/2]

Interim Provisions for the Coordination of Satellites in Inclined Circular Geosynchronous Orbits

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that Article 1 of the Radio Regulations contains a definition of geosynchronous satellite;

b) that Article 1 of the Radio Regulations also contains a definition of geostationary satellite identifying it as a geosynchronous satellite with its circular orbit in the plane of the Earth's Equator (see RR 181);

c) that the Radio Regulations do not provide pertinent technical parameters for distinguishing between geostationary and other groups of geosynchronous satellites;

d) that the IFRB adopted in its Rules of Procedure a provisional limit of 5° inclination in considering a geosynchronous satellite in all satellite services as a geostationary satellite;

e) that the provisions governing the operation of non-geostationary space stations are given in RR 2613;

f) that a void exists in the regulatory procedures for dealing with circular geosynchronous satellites using inclined orbits that exceed 5°;

g) that the CCIR has not yet studied in detail the technical matters concerning inclined circular geosynchronous satellites and will be determining the need for inclination limits for the orbits of geostationary satellites (see Resolution [... Document 295]);

h) that the satellite services share many frequency bands with other services;

i) that the power flux-density limits specified in Article 28 also apply to satellites in circular geosynchronous orbits with an inclination exceeding 5°;

j) that the power flux-density limits specified in Article 28 have been developed assuming a specific scenario of space station distribution and associated angles of arrival above the horizontal plane;

k) that the limits specified in Article 27 apply to terrestrial services with the view to protect regions around the geostationary-satellite orbit;

l) that sufficient technical information and interference studies are not available relating to space stations operating with inclined circular geosynchronous orbits and some guidance is required for administrations and the IFRB;

resolves

1. that the use by any space service of space stations in inclined circular geosynchronous orbits should not place additional regulatory and technical constraints on other services which share the same frequency bands;

2. that administrations and the IFRB should apply the procedures contained in Articles 11 and 13, to frequency assignments for satellites in circular geosynchronous orbits with inclinations greater than 5°;

3. that the need to coordinate between space stations in inclined geosynchronous circular orbits and geostationary space stations should be based on the worst case assumption relating to the minimum topocentric angle between the satellites concerned taking into account the planned longitudinal tolerance and the variation in satellite antenna gain on the surface of the Earth due to orbit inclination;

4. that the need to coordinate between satellite networks using inclined circular geosynchronous orbits should be effected by taking into account the worst case topocentric angle and the variation in satellite antenna gain on the surface of the Earth due to orbit inclination;

5. that these interim provisions should take into account the results of the latest CCIR studies arising from Resolution [...] [see Document 295];

requests

that the IFRB participate in the work of the CCIR (see Resolution ... [Document 295]) and consider inclusion of the results in its Rules of Procedure at the earliest opportunity.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 315-E
27 September 1988
Original: English

COMMITTEE 3

SUMMARY RECORD

OF THE

THIRD MEETING OF COMMITTEE 3

(BUDGET CONTROL)

Thursday, 22 September 1988, at 0905 hrs.

Chairman: Dr. M.K. RAO (India)

Subjects discussed:	Documents
1. Approval of the summary record of the second meeting of Committee 3	269
2. Financial implications of decisions taken by the Conference	-
3. Situation of the Conference accounts as at 18 September 1988	291

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1. Approval of the summary record of the second meeting of Committee 3 (Document 269)

The summary record of the second meeting of Committee 3, as contained in Document 269, was approved.

2. Financial implications of decisions taken by the Conference

2.1 The Chairman suggested that since further detailed information would be available shortly Committee 3 should defer consideration of the financial implications until the following meeting.

It was so agreed.

3. Position of the Conference accounts as at 18 September 1988 (Document 291)

3.1 The Chief of the Finance Department, referring to an observation by the delegate of the Netherlands relating to the second column of Subhead VI in Document 291, said that the actual figure for staff expenses had been lower than 461,000 Swiss francs but it had been rounded off by the computer to the figure shown, which explained why the column total of 903,000 Swiss francs appeared as 1,000 Swiss francs less than the sum of the items shown. To insist on a correction at the current stage, however, would unduly complicate the accounting procedure.

3.2 The delegate of the Netherlands said that his question was not in relation to the column addition as such but the discrepancy shown by comparison with the corresponding entries in Document 219 relating to the situation one week earlier. For the insurance item under Subhead VI for instance, the figure for budget adjustment at 1 September 1988 was given as 74,000 Swiss francs in Document 219 and 62,000 Swiss francs in Document 291, a reduction of 12,000 Swiss francs, whereas the difference between the respective end-column totals was only 11,000 Swiss francs.

3.3 The Chief of the Finance Department said that he would re-examine the figures and report back to the Committee.

3.4 The Chairman noted that, in any case, the margin shown in Document 291 was an improvement on that in Document 219.

Pending clarification of the figures referred to under Subhead VI, the Committee took note of the situation of the Conference accounts as at 18 September 1988.

The meeting rose at 0915 hours.

The Secretary: The Chairman:

R. PRELAZ M.K. RAO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 316-E
22 September 1988
Original: English

COMMITTEE 7

FIRST SERIES OF TEXTS FROM COMMITTEE 5 TO THE EDITORIAL COMMITTEE

The texts contained in Document 281 as adopted by Committee 5 at its seventh meeting are hereby submitted to the Editorial Committee.

D. SAUVET-GOICHON
Chairman of Committee 5

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 317-E
22 September 1988
Original: English

COMMITTEE 7

THIRD SERIES OF TEXTS FROM COMMITTEE 6 TO THE EDITORIAL COMMITTEE

The texts contained in the annex to Document 304 as amended and the texts contained in Document 294 as adopted by Committee 6 at its sixth meeting are submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 318-E
22 September 1988
Original: English

Source: Document DL/46

WORKING GROUP 5-B

FIRST REPORT OF THE CHAIRMAN OF SUB-WORKING GROUP 5-B-2 TO THE CHAIRMAN OF WORKING GROUP 5-B

The attached text of Resolution [COM5/3], relating to the broadcasting-satellite service for wide RF-band high definition television adopted by Sub-Working Group 5-B-2 is submitted for consideration.

R. ZEITOUN
Chairman of Sub-Working Group 5-B-2

Attachment

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

RESOLUTION [COM5/3]

Relating to the Selection of a Frequency Band for Use by the Broadcasting-Satellite Service and Intended for Wide RF-Band High Definition Television*, an Associated Frequency Band for HDTV Feeder Links, and the Adoption of Related Provisions by a Future Competent Conference

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the development of techniques for high definition television broadcasting is rapidly progressing;

b) that the frequency bands around 12 GHz allocated to the broadcasting-satellite service do not, as presently planned, provide a world-wide allocation suitable for the implementation of HDTV via satellites;

c) that a world-wide frequency allocation to the broadcasting-satellite service suitable for HDTV transmissions is desirable to facilitate the implementation of a unique world-wide standard for HDTV transmission by satellite and to reduce interregional inter-service sharing constraints;

d) that the band 22.5 - 23 GHz is allocated to the broadcasting-satellite service in Regions 2 and 3, and is authorized in those Regions subject to agreement obtained under the procedure set forth in Article 14 of the Radio Regulations;

e) that due account should be taken of other radiocommunication services appearing in Article 8 of the Radio Regulations;

considering also

a) that the CCIR has carried out a number of studies concerning the broadcasting of HDTV signals, propagation aspects, and the difficulties of sharing with other services (see the CCIR Reports to the First and Second Sessions);

b) that the CCIR in its Report to the Second Session of WARC ORB has concluded that:

i) narrow RF-band systems (operating in a 24 - 27 MHz channel) are characterized by relatively high degrees of bandwidth compression and by analogue modulation;

ii) wide RF-band systems (both analogue and digital) require an RF channel bandwidth typically in the order of 50 - 120 MHz;

---

* Hereinafter referred to in this text as simply HDTV.

iii) some use of the 12 GHz band, as planned, can be made for narrow RF-band systems using single channel, highly compressed signal formats and, at the expense of a significant reduction in the number of available programmes, for formats using two RF channels. However, the 12 GHz band, as planned, will not accommodate single wide RF channel high definition TV, analogue or digital signals on a world-wide basis;

iv) from a propagation point of view, all bands from 12 GHz to 23 GHz may be suitable, but rain attenuation which increases with frequency, and atmospheric absorption, need to be taken into account;

c) that this Conference has confirmed the need for a suitable band to be made available, preferably on a world-wide basis, for the future introduction of HDTV in the BSS with an associated band for HDTV feeder links, also preferably on a world-wide basis;

resolves

1. that opportunities be given in Article 8 of the Radio Regulations to achieve a well balanced situation for all Regions to facilitate the introduction of HDTV on a world-wide basis;

2. that the frequency range 12.7 - 23 GHz be considered for HDTV;

3. that, while the plans for the 11.7 - 12.7 GHz band can already be used for certain types of high definition television, studies should be continued on the long range future suitability of these bands for HDTV without prejudice to the existing plans in this band;

4. that appropriate bands be considered for associated HDTV feeder links;

5. that further studies (going beyond those presented in the reports of the CCIR to this Conference) will be essential before the most suitable bands can be chosen;

6. that if any frequency band chosen for long-term use by HDTV necessitates the re-accommodation or adjustment of existing services, a minimum period of 10 - 15 years should be allowed for these changes to be made before HDTV may be introduced into that band;

resolves to recommend

1. that the next Plenipotentiary Conference, when establishing the post-1989 programme of conferences and meetings, should include provision for a WARC to deal with matters relating to HDTV, the timing of which should be sufficiently early to take due account of any period that may be needed to re-accommodate or adjust other services;

2. that the Administrative Council, when establishing the agenda for the above-mentioned WARC, should ensure that the Conference is authorized:

a) to make the definitive selection and appropriate radio regulatory provisions for a frequency band for HDTV in the BSS in the long-term and for an associated HDTV feeder-link band, both preferably on a world-wide basis;

b) to make appropriate provisions to regulate the sharing of any such bands with other radio services and to take into account the needs of any existing services which may have to be adjusted for re-accommodation elsewhere in the frequency spectrum, including the time required to effect any necessary changes;

c) to determine the dates for the entry into force of its decisions, including the earliest date for the introduction of HDTV and associated feeder links into any frequency bands selected for those purposes;

invites the CCIR

to undertake the further studies necessitated by this Resolution for feeder links and down-links and to submit its report not later than one year before the WARC mentioned above. These studies are to include the following:

1. system parameters for HDTV emission by satellite, with emphasis on the effect of the choice of frequency, e.g.:

- modulation (including baseband coding and channel coding);
- satellite power requirements;
- satellite and earth station technology;
- receiving system characteristics;
- type of polarization (including propagation effects);

2. propagation characteristics, e.g.:

- attenuation, including precipitation losses;
- atmospheric absorption;
- cross-polar discrimination,

3. inter- and intra-service sharing and interference, interregional sharing;

invites administrations

to carry out studies as required, taking into account the above-listed topics, and communicate the results to the CCIR;

requests

the Secretary-General to bring this Resolution to the attention of the Plenipotentiary Conference, Nice, 1989.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document No. 319-E
23 September 1988
Original: English

COMMITTEE 6

Note by the Secretary-General

At the request of Committee 6, I have the honour to transmit herein to the Conference the "legal analysis and advice" to Committee 6 on matters of competence concerning certain proposed amendments to provisions in Articles 8 and 14 of the Radio Regulations.

R.E. BUTLER
Secretary-General

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Legal analysis and advice to Committee 6 on matters of the Conference's competence concerning amendments to provisions in Articles 8 and 14 of the Radio Regulations

Background

1. During its third meeting, on 8 September 1988, Committee 6 considered the first report of its Working Group 6-C contained in Document 188. Paragraph 4.3 thereof refers to the proposals "USA/56/9-11" and states that "one administration was of the opinion that the power flux-density values shown in USA/56/10 (ADD RR 839 A) were not in accordance with the terms of reference of the Conference because of their possible impact on the terrestrial radio services" and that the "advice of Committee 6 is requested".

2. At the end of the discussions in Committee 6 on this issue, the Vice-Chairman of the IFRB pointed out that the above issue would affect Articles 8 and 14 of the Radio Regulations (RR) and thus the competence of the Conference, on which the following two questions needed to be answered:

a) Can the Conference modify RR Article 8 apart from those parts figuring in the Conference's agenda, i.e. in point 7 (dealing with the band 10.7-11.7 GHz) and in point 15 (dealing with RR No. 480) ? and

b) Can the Conference adopt limitations allowing to consider stations or services as not being affected in the course of the application of RR Article 14 ?

It is on those two questions that the Chairman of Committee 6 asked for legal analysis and advice on the matter of the Conference's competence*), which are hereinafter given upon that request.

Agenda of the Conference

3. As the two questions referred to above concern the competence of this Conference, general reference is made to Nos 51 (second sentence thereof) as well as 528 and 529 of the Nairobi Convention and particular attention is drawn to the relevant items 4 and 12 of the Conference's agenda established by Administrative Council Resolution No. 953 and contained in Document 1.

4. In conformity with agenda item 4, this Conference is competent or has the mandate "to review and revise, as necessary, the regulatory procedures and appropriate technical standards, parameters and criteria pertaining to space services and frequency bands not to be subject to planning". As far as Committee 6 is concerned, it is to be noted that this agenda item has as such been included as point 2 of the "Terms of Reference" of Committee 6 as adopted by the Plenary of this Conference and contained in Document 114.

---

*) cf. also Document 214 (issued in the meantime), points 7.1 to 7.6.

5. In conformity with agenda item 12, this Conference is competent or has the mandate "to make such consequential amendments in the Radio Regulations as may be necessitated by the decisions of the Second Session of the Conference". As far as Committee 6 is concerned, it has, however, to be noted that the Plenary of this Conference - in point 3 of the "Terms of Reference" of Committee 6 (see Document 114) - has specified and somewhat limited the competence of Committee 6 itself by charging the latter "to prepare such consequential amendments in the Radio Regulations as may be necessitated from the viewpoint of the improved regulatory procedures developed (agenda item 12)" (emphasis added). The latter matter is addressed by agenda item 2, which forms point 1 of the "Terms of Reference" of Committee 6, to which a footnote 3 has been added which reads: "The establishment of improved regulatory procedures may require the review of the regulatory procedures applicable to services sharing the same frequency bands with the FSS." (see Document 114).

Legal analysis

6. In order to give legal reply and advice with regard to the two questions referred to in paragraph 2 above, the proposal USA/56/10 has to be analysed in its proper context as well as in the light of what has been pointed out in paragraphs 3 to 5 above.

- **The proposal USA/56/10 itself**

7. This proposal forms part of a set of three interrelated proposals, i.e. USA/56/9-11 which have to be studied together.

8. Proposal USA/56/9 envisages the suppression of footnote RR No. 839 which, as currently in force, reads as follows:

> "839 Orb-85 The use of the bands 11.7 - 12.2 GHz by the fixed-satellite service in Region 2 and 11.7 - 12.7 GHz by the broadcasting-satellite service in Region 2 is limited to national and sub-regional systems. The use of the band 11.7 - 12.2 GHz by the fixed-satellite service in Region 2 is subject to previous agreement between the administrations concerned and those having services, operating or planned to operate in accordance with the Table, which may be affected (see Articles 11,13 and 14). For the use of the band 12.2 - 12.7 GHz by the broadcasting-satellite service in Region 2, see Article 15."

9. As stated in the "reason" for the three proposals in Document 56, "RR 839 has been divided according to the space services involved, for simplification, clarification and readability" and the three proposals are considered as "consequential to the actions of WARC-ORB-85 which incorporated a Plan for the broadcasting-satellite service in Region 2 into the Radio Regulations". Footnote RR No. 839 is thus envisaged to be replaced by two new footnotes, i.e. "ADD 839 A" (= proposal USA/56/10) and "ADD 839 B" (= proposal USA/56/11). As the latter retains fully the wording of the last sentence of footnote RR No. 839 as actually in force (see paragraph 8 above) and does not appear to present a problem, it is not dealt with in the following paragraphs, which will deal exclusively with the proposal USA/56/10.

10. A comparison between the proposal USA/56/10 (hereinafter simply referred to as: "the proposal") and the first two sentences of footnote RR No. 839 as currently in force (hereinafter simply referred to as: "the present 839") shows the following differences:

a) Whereas the present 839 deals with the use of two bands, i.e. "11.7-12.2 GHz by the fixed-satellite service in Region 2" and "11.7-12.7 GHz by the broadcasting satellite service in Region 2", the proposal deals only with the first one, but not any more with the second one. - The latter fact may be due to Appendix 30(ORB-85) and RR Article 15, which both, however, regulate only the band "12.2 - 12.7 GHz (in Region 2)", whereas the present 839 regulates also "the use of the bands ... 11.7 - 12.7 GHz" by the BSS in Region 2, which - as in the case of the first band - "is limited to national and sub-regional systems".

b) The latter limitation "to national and sub-regional systems" is not any more contained in the proposal as far as the first band (see under a) above) is concerned, with which alone the proposal deals.

c) The present 839 makes the use of the band 11.7 to 12.2 GHz "subject to previous agreement between the administrations concerned and those having services, operating or planned to operate in accordance with the Table, which may be affected (see Articles 11, 13 and 14)" (emphasis added). The foregoing underlined terms and references are not incorporated in the proposal, which makes such use "subject to agreement obtained under the procedures set forth in Article 14 with those affected administrations having or planning a terrestrial service of the primary category" (emphasis added).

d) Lastly, the proposal introduces in both RR Articles 8 and 14 for the use of the band 11.7 - 12.2 GHz the concept of determining or defining, therein and for the purpose of coordination/agreement, the term "affected administrations", which shall be those in respect of which certain, enumerated values are exceeded. Those values - according to the Corrigendum 3 (of 6 September 1988) to the original USA Document 56 - presented in the proposal correspond to the trigger values contained in the CCIR Report to this Conference, Part I (Chapters 1 to 4), secion 3.13.9.3 on "Criteria for the determination of the need to invoke Article 14 for FSS in the 11.7-12.2 GHz band in Region 2". In the "Conclusion" of that section it is stated that "it is expected that the use of the proposed power flux-density levels as trigger values for the fixed-satellite service in the band 11.7 - 12.2 GHz, in Region 2, would materially reduce the need to seek prior agreement and, in any case, the number of administrations from which such prior agreement would have to be sought" and that "the prevailing situation is that Article 14 procedures must be followed where so indicated. A future competent WARC may wish to consider this matter." (emphasis added).

- The proposal in the light of the Conference's agenda

11. Taking into account the various aspects shown above in the analysis of the contents of the proposal itself, the latter needs now to be analysed, from the legal point of view, in the light of what has been pointed out above in paragraphs 3 to 5 in respect of the agenda and the competence or mandate of this Conference and its Committee 6; it being understood that the technical evaluation of the proposal cannot be the subject of the present legal analysis.

12. As far as agenda item 4 is concerned (see paragraph 4 above), the present 839 can be considered as having the character of a "regulatory procedure" contained in that footnote to RR Article 8, as it deals with particular aspects concerning the use of the frequencies specified therein and with details concerning the requirement of agreement to be reached with affected administrations. As such, it is also "pertaining" - in the sense of directly "relating to" or "having reference to" - "to space services", i.e. the FSS and the BSS, and to space "frequency bands", i.e. those specified therein. Consequently, the Conference is, in conformity with agenda item 4, in principle competent "to review" it and is also competent "to revise as necessary" (emphasis added), the regulatory procedures provisions contained in RR Article 8, which is not specifically excluded from such review and revision.

13. The Conference will thus, in the first place, have to judge and decide upon the question whether or not it is "necessary" to revise the present 839, the actual wording of which has been adopted by WARC-ORB 85, i.e. the First Session of this Conference. Once it has decided upon that question, the Conference will, in the second place, have to study and decide upon how to revise the present 839. In the latter context only, the proposal itself (for details see paragraphs 7 to 10 above) is to be considered by the Conference as one possible solution for such a revision - previously decided to be a "necessary" one -, it being understood that other solutions for such a revision are of course not excluded from being chosen by the Conference.

14. In that latter consideration and solution-finding or decision-making, the Conference will have to keep in mind the footnote character of the present 839 and thus the applicability of, and any repercussions on, the "supplementary procedure" contained in RR Article 14 and dealing with footnotes (requiring an agreement with an Administration) of all kinds and concerning all services, including terrestrial ones.

15. At least one such repercussion on RR Article 14 would - as far as the proposal is concerned (see in particular sub-paragraph d) of paragraph 10 above) - be the clear determination or definition in the proposal of "affected administrations in Region 2 having or planning a terrestrial service of the primary category" which "shall be those on whose territory the power flux-density at the surface of the earth exceeds any of the values" specified therein (emphasis added). The adoption of such a determination/definition would result in limiting, in this specific instance, i.e. as far as Region 2 administrations are concerned, the scope of the term "any other administrations whose services may be affected" contained in No. 1610 in RR Article 14 as well as the application of other provisions contained in that Article, such as e.g. Nos 1614, 1616, 1627 - 1630. In order to avoid any confusion or even possible conflict between provisions of the RR, the adoption of the proposal with such a determination/definition would, from the legal point of view, even necessitate the introduction in RR Article 14 of an appropriate reference to this "839 A".

16. In this context, a general observation needs to be made. It is recalled that - in conformity with its agenda (see paragraph 3 above) seen as a whole - this Conference is competent to deal with matters, as specified therein, concerning the geostationary satellite orbit and the space services and is not competent to deal, on a general basis, with matters concerning any other radiocommunication services, such as terrestrial services.

17. However and keeping the foregoing well in mind, it is to be noted that a certain, but limited exception in the latter respect is indeed provided for in agenda item 12 (see paragraph 5 above). By virtue of the latter, the Conference is to be considered competent to make "consequential amendments in the Radio Regulations" (emphasis added), including those to provisions thereof, which do not exclusively relate to space services, but may relate also to other radiocommunication services sharing the same frequency band; otherwise, item 12 would have no "raison d'être" in the Conference's agenda, seen as whole and, in particular, in regard to its item 4. It is in this same sense that the footnote 3 in Document 114 (see at the end of paragraph 5 above) is to be understood, which thus confirms the preceding analysis in this paragraph.

18. Nevertheless, the Conference's competence to act under its agenda item 12 is limited to the effect that:

a) any such amendment made under the coverage of agenda item 12 must be a "consequential" one (emphasis added). The Conference has to decide upon the "consequential" character of any such amendment. This means, in the case under consideration, that it depends on the contents of any revision - decided beforehand to be "necessary" (see paragraph 13 above) - of the present 839 to determine whether or not an amendment to the provisions of RR Article 14 in respect of Region 2 affected administrations would be a consequence of such a revision of the present 839; and

b) that such a "consequential amendment" to the provisions of RR Article 14 would have to be considered by the Conference as being "necessitated by" (emphasis added) the contents of the revision of the present 839 as decided by the Conference.

19. In the light of the limitations outlined under a) and b) above, it is evident that the issues raised in the two questions submitted for legal analysis and advice (see paragraph 2 above) are in fact closely interrelated and even interdependent and have thus to be considered jointly and at the same time. The adoption of the proposal as formulated in USA/56/10 and amended by Corrigendum 3 to Document 56 would - for the reasons stated in paragraph 15 above - indeed necessitate a consequential amendment to the provisions of Article 14 as far as Region 2 affected administrations are concerned, by way of an appropriate reference therein to this "839 A".

20. In its consideration of the proposal itself, Committee 6 would thus - as far as the competence matter is concerned - have to take into account what has been pointed out in paragraphs 14 to 19, in particular paragraph 16, above. In this context and in line with "considering e) 4." of the Conference's agenda (Document 1), it will certainly also need to consider the whole section 3.13.9.3 of the CCIR Report to this Conference referred to in paragraph 10 d) above. With regard to the last "conclusion" therein stating that "a future competent WARC may wish to consider this matter", it must, by way of legal clarification, be stated that this "conclusion" of the CCIR is not binding upon Committee 6 or this Conference, but is only to be considered as an indication by the CCIR as to how it itself envisaged that "this matter" be treated; this "conclusion" of the CCIR has to be seen in the light of the preceding paragraphs of that section in its Report, which deal mainly with technical aspects and, because of their technical character, cannot be the subject of the present legal analysis.

Concluding legal advice:

21. In the light of the two questions as submitted (see paragraph 2 above) and taking also into account the specific context in which they have arisen, Committee 6 is - on the clear understanding that the foregoing legal analysis concerns, as requested, only issues relating to competence matters and not those relating to the contents of decisions to be taken by the Conference - in conclusion advised:

a) to take the various aspects and comments presented in paragraphs 3 to 20 above into account in its deliberations of the matter under its consideration;

b) to note that the Conference is competent to review and revise, as necessary, a regulatory procedure provision like the one contained in the present footnote "839-ORB-85" in RR Article 8;

c) to note that the Conference is competent to make in RR Article 14 an appropriate reference concerning Region 2 affected administrations, but only if such a reference is a consequential amendment necessitated by the decision as taken by the Conference in respect of any revision under b) above (see in particular paragraphs 14 to 20 above); and

d) to keep in mind, in its own decision-making process, point 3 of its own "Terms of Reference" (see paragraph 5 above), according to which it has "to prepare such consequential amendments in the Radio Regulations as may be necessitated from the viewpoint of the improved regulatory procedures developed (agenda item 12)".

INTERNATIONAL TELECOMMUNICATION UNION

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WORKING GROUP 4-C

SECOND REPORT OF WORKING GROUP 4-C AD HOC 3
TO THE CHAIRMAN OF WORKING GROUP 4C

Draft

ARTICLE [E]

Procedures for Additional Uses of the Frequency Bands Covered by the Allotment Plan

Section I

Under this Article:

272001 An additional use is the use of part or all of the frequency bands covered by the Allotment Plan but will not enter into Part A or Part B of the Plan.

Additional use may be requested by any of the following:

272002 an administration with a requirement whose characteristics are different from those of the Allotment Plan;

272003 an administration which is already using part or all of its allotment;

272004 an administration which is or has been part of a subregional system based on the procedures in [Document 239] or one which has withdrawn from the subregional system but the allotment of the said administration is still suspended;

272005 a group of administrations.

Section II

Procedures

272006 An administration or one acting on behalf of a group of named administrations (hereinafter called the notifying administration) which intends to make additional use of frequencies in the bands covered by the Allotment Plan shall apply the provisions of this Article.

272007 The administration shall seek the agreement of those administrations whose allotments in the Plan or frequency assignments may be affected.

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272008 The notifying administration shall send to the Board, not earlier than [ ] years and not later than [ ] years before the date on which the assignment is to be brought into use:

272009 a) a request for an additional use in the frequency band concerned, along with the relevant information in [Appendix 3];

272010 b) the names of those administrations whose allotments or assignments are considered to be affected;

272011 c) the names of those administrations for which agreement has been reached as well as of those whose agreement is required but has not yet been obtained.

272012 The Board shall determine, on the basis of [Annex], the administrations whose services might be considered affected. This will include those with allotments in the Plan or frequencies in the MIFR or under coordination or under notification without coordination.

272013 The Board shall publish the complete information in No. 272012 in a special section of its weekly circular and shall at the same time advise affected administrations by telegram. The telegram shall include the results of the Board's findings. The affected administrations will be required to give their comments and statement of agreement or disagreement not later than [4] months after the weekly circular, to the administration seeking for an additional use, with a copy to the Board.

272014 Any administration which feels that it should have been included in the list of administrations whose services are considered to be affected shall request to be included in the coordination procedures and shall provide technical justification for its request within [4] months after the date of the weekly circular in No. 272013 to the administration seeking an additional frequency assignment, with a copy to the Board.

272015 If, after the time stated in No. 272013 elapses without any comments from an affected administration, it shall be assumed that the administration has no objection and will be considered to have given its agreement.

272016 The Board shall publish in a special section of its weekly circular the information received under No. 272013 together with the names of the administrations with which the provisions of this Article have been successfully applied.

272017 [When the proposed additional requirements involve developing countries, administrations shall seek all practicable solutions conducive to the development of the telecommunication systems of these countries.]

272018 In case of a disagreement the involved administrations should endeavor to overcome the difficulties as far as possible. If no agreement is reached, the Board shall, at the request of any of the involved administrations, carry out a technical analysis and make its recommendations.

272019 Additional uses for which these procedures have been applied successfully will be entered into the MIFR as assignments bearing a special symbol for their period of validity.

272020 [The additional uses shall be protected as any other frequency assignments from the date of receipt of notification of the information by the IFRB.]

272021 Any extension to the period of validity or an amendment to the information sent in accordance with No. 272013 shall necessitate the application of the procedures of this Article again.

Cessation:

272022 A frequency assignment for an additional use shall lapse if it is not brought into use within [5 years] after it is entered in the MIFR.

272023 At the end of the period of validity, these frequency assignments will be deleted from the MIFR and the Board shall publish the deletion of these assignments in its weekly circular [ ] months before their removal from the register.

R.J. LUBANGA
Chairman of Group 4-C ad hoc 3

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WORKING GROUP 5-A

FOURTH REPORT OF THE CHAIRMAN OF SUB-WORKING GROUP 5-A-2 TO WORKING GROUP 5-A

The attached text on power control for Annex 3 of Appendix 30A is submitted for consideration.

T. KOMOTO
Chairman of Sub-Working Group 5-A-2

Attachment: 1

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ATTACHMENT

TEXT FOR APPENDIX 30A (ANNEX 3)

3.10 Power control

In Regions 1 and 3 a permitted increase which may be used to overcome rain fading for each assignment is included in the Plan.

In the calculation, in cases where satellites do not use common or adjacent channels cross-polarizing each other, the maximum permissible e.i.r.p. increase, which must not exceed 10 dB, corresponds to the amount of rain attenuation which occurs on the interfering feeder link.

On the other hand, in those cases where satellites use common or adjacent channels cross-polarized, the maximum permissible e.i.r.p. increase is expressed as a function of the rain attenuation, but is in general less than the amount of rain attenuation due to rain-induced depolarization.

3.10.1 Method for determination of the increase in e.i.r.p. during rain attenuation for an assignment over the Plan value

Condition to be observed

The increase in e.i.r.p. of the assignment studied must not entail an impairment of more than 0.5 dB of the feeder link equivalent protection margin of any other assignment.

Calculation method

3.10.1.1 Compile a list of all assignments (A, B, C,...) in the same orbital position and the two adjacent positions liable to suffer interference from the assignment studied.

3.10.1.2 Calculate the feeder link equivalent protection margin of assignment A in free space conditions, taking account of all interference sources affecting A at the least favorable test points, namely:

- for assignment A: the point corresponding to the minimum C/N ratio;
- for each interference source affecting A: the point corresponding to the maximum interference power affecting A.

3.10.1.3 Introduce for the assignment studied the rain attenuation for [0.1%] of the worst month and the corresponding rain depolarization value.

3.10.1.4 Recalculate the feeder link equivalent protection margin of assignment A at the worst test points, namely:

- for assignment A: the test point used in 3.10.1.2 above;
- for the assignment studied: the test point corresponding to the maximum interference power affecting A.

At this stage, the e.i.r.p. of the assignment studied is that contained in the Plan.

3.10.1.5 Increase the e.i.r.p. of the assignment studied by 0.1 dB and recalculate the equivalent up-link margin of A as in 3.10.1.4 above.

3.10.1.6 Repeat the operation of 3.10.1.5 above until the equivalent up-link margin of assignment A is impaired by more than 0.5 dB in relation to the value found under 3.10.1.2 above [or until the e.i.r.p. increase exceeds 10 dB]. Adopt the e.i.r.p. increase in the preceding iteration step.

3.10.1.7 Repeat the operations in points 3.10.1.2 to 3.10.1.6 above, considering the assignments B, C,...

3.10.1.8 Adopt the smallest of the increases in e.i.r.p. found under 3.10.1.6 above for the various assignments A, B, C, ...

This value is the permitted increase in e.i.r.p. included in the Plan.

3.10.2 Propagation model

3.10.2.1 For the calculation of rain attenuation for [0.1%] of the worst month, the model described in section 2.2 of this annex should be used. It shall be assumed that the [0.1%] value is [3.3 times the 1% value in dB].

3.10.2.2 Rain depolarization shall be calculated, on the basis of attenuation, using the method described in section 2.4 of this annex.

3.10.3 Variation of power with rain attenuation

The increase in power at any time, as the rain attenuation must track the rain attenuation and must never exceed the limit shown by the curve in Figure [XX].

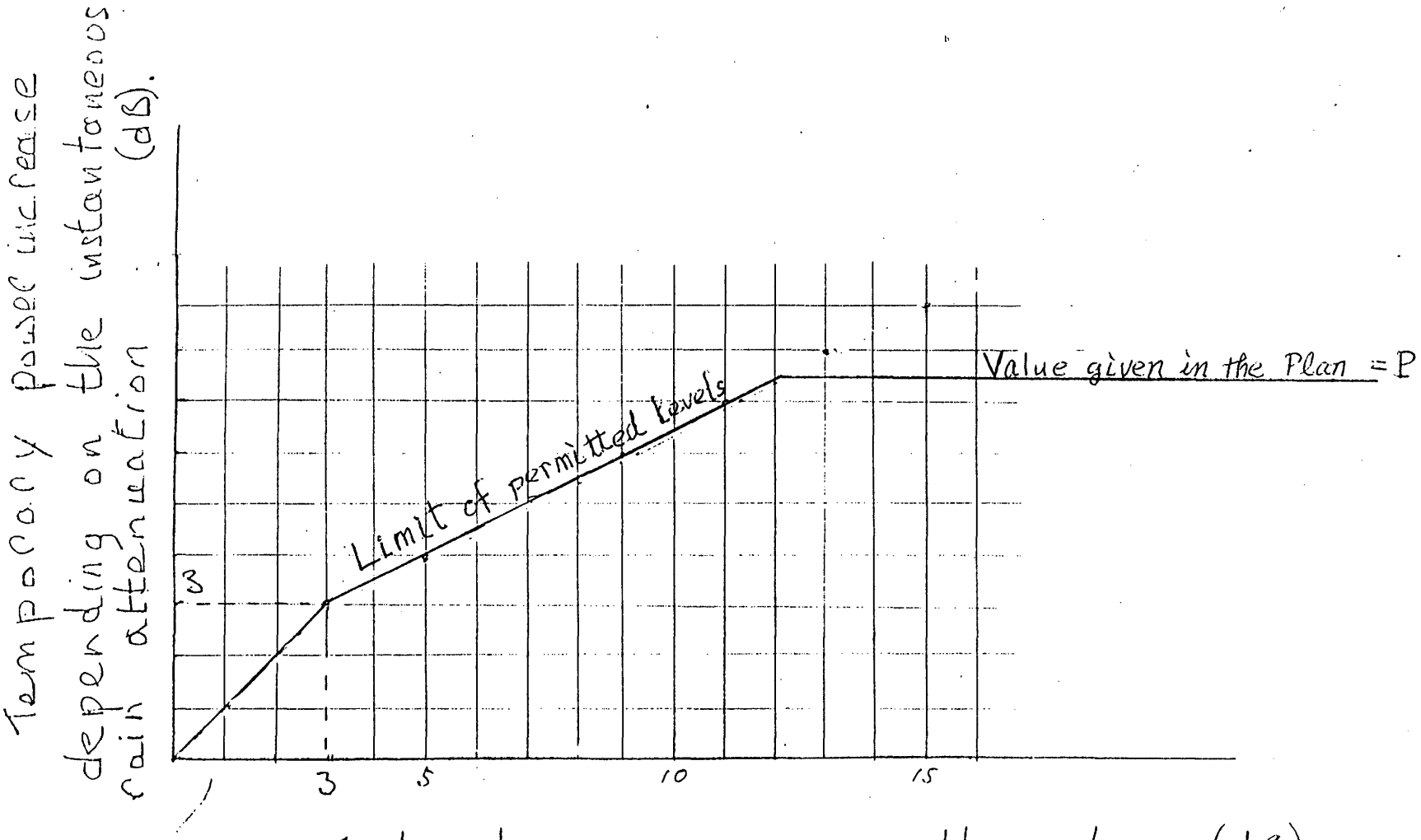

Fig. [XX] Characteristic for uplink power control

Note to Figure [XX].

P: The value of permitted increase given in the Plan or calculated by the IFRB which varies for each assignment. The upper limit of this value is 10 dB.

INTERNATIONAL TELECOMMUNICATION UNION

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WORKING GROUP 5-B

The attached draft Resolution relating to country/geographical area symbols used in Appendices 30 and 30A is submitted for consideration.

S. SELWYN
Chairman of Working Group 5-B ad hoc 1

Attachment

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RESOLUTION [COM5/4]

**Country/Geographical Area Symbols
Used in Appendix 30(Orb-85) and Appendix 30A**

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

noting

that several country/geographical area symbols used in Appendix 30(Orb-85) have changed or are no longer appropriate and are therefore not listed in the preface to the International Frequency List (IFL);

noting further

the provisions of No. 2237 of the Radio Regulations;

recognizing

that country symbols in the preface to the IFL may be changed at irregular intervals, as the need arises and based on prior consultation between the Secretary-General and the IFRB and the countries concerned;

considering

that discrepancies between the country/geographical area symbols listed in the preface to the IFL and those appearing in Appendix 30(Orb-85) and Appendix 30A should not exist;

resolves to instruct the Secretary-General

to ensure that, when updating the Radio Regulations, the country/geographical area symbols used in Appendix 30(Orb-85) and Appendix 30A reflect the latest status.

INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

The Working Group of the Plenary had approved the revisions to Appendices 3 and 4 concerning the power characteristics of the transmission and the relevant Resolution Relating to the Estimation of Interference between Satellite Networks Using Simplified Methods for your consideration.

R. RYVOLA
Chairman of the Working Group of the Plenary

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Revisions to Appendix 3

Section B

MOD Item 8 Power characteristics of the earth station transmission

NOC a), b) and c)

ADD d)[1] Indicate for each carrier type[3] (see item 10), the maximum power density per Hz (dB(W/Hz))[2] at the input of the antenna, averaged over the worst 4 kHz band for carriers below 15 GHz, or averaged over the worst 1 MHz band for carriers above 15 GHz.

ADD e)[1] Indicate the maximum aggregate power (dBW) of all carriers (per transponder, if applicable) supplied to the input of the antenna and their aggregate bandwidth. If this corresponds to the bandwidth of a transponder, so indicate.

Section D

MOD Item 9 Power characteristics of the space station transmission

NOC a)

MOD b) Indicate the maximum power density per Hz (dB(W/Hz))[2] at the input to the antenna, averaged over the worst 4 kHz band for carriers below 15 GHz, or averaged over the worst 1 MHz band for carriers above 15 GHz.

NOC c)

ADD d) Indicate the maximum total peak envelope power (in dBW) at the input of the antenna for each contiguous satellite bandwidth and this bandwidth. For a satellite transponder, this corresponds to the maximum saturated peak envelope power and the bandwidth of each transponder.

ADD e)[1] Indicate for each carrier type[3] (see item 11), the maximum power density per Hz (dB(W/Hz))[2] at the input of the antenna, averaged over the worst 4 kHz band for carriers below 15 GHz, or averaged over the worst 1 MHz band for carriers above 15 GHz.

Footnotes

MOD (appears in many places)

[1] This information need only be furnished when such information has been used as a basis to effect coordination with another administration. This information may be optionally provided in a request for coordination under RR 1073, see Resolution (GT-PLEN/3).

NOC [2]

ADD (in appropriate places)

[3] For details of carrier types, see relevant CCIR texts.

RESOLUTION [GT-PLEN/3]

Relating to the Estimation of Interference between Satellite Networks Using Simplified Methods

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that CCIR texts contain information on evolving simplified methods which may be used to provide a significant improvement in the accuracy of interference estimates when compared with Appendix 29 calculations;

b) that an improvement in the accuracy of interference estimates would facilitate the coordination process and thereby relieving administrations of an administrative burden and unnecessary costs;

c) that most of the data requirements for these methods are identified in Appendix 3;

resolves

to invite the CCIR to continue studies on simplified methods for estimating interference between satellite networks and to recommend a preferred method or methods;

encourages

administrations to participate in the studies of the CCIR to assure full consideration of all potential methods, to use these methods and to provide the necessary data.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

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Corrigendum 1 to
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COMMITTEE 6

Replace paragraph d) 2) of Section D of Appendix 4 by the following:

"2) in the case of the equivalent boresight area (see ADD No. 168B) being less than the global or nearly global service area, provide the maximum antenna gain and, to the extent practicable, the equivalent antenna gain contours (see ADD No. 168C). These contours shall be provided as defined in item 5c) above. If the gain contours are not provided, then the maximum antenna gain is applicable to all points on the Earth's visible surface."

R. RYVOLA
Chairman of the Working Group of the Plenary

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INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP
OF THE PLENARY TO THE CHAIRMAN OF COMMITTEE 6

The Working Group of the Plenary had approved the revisions to Appendices 3 and 4 concerning steerable beams and antenna gain contours. It is submitted to Committee 6 for your consideration.

R. RYVOLA
Chairman of the Working Group
of the Plenary

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NOC

APPENDIX 3

NOC

Notices Relating to Space Radiocommunications and Radio Astronomy Stations

NOC

Section D. Basic Characteristics to Be Furnished in Notices Relating to Frequencies Used by Space Stations for Transmitting

NOC Item 10 Space station transmitting antenna characteristics

SUP ~~For each service area or antenna radiation beam:~~

ADD Provide information for each transmitting satellite antenna beam:

MOD a) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station, indicate whether the transmitting antenna beam will be pointing in a fixed direction or has a steerable beam (see ADD No. 168A) capability;

MOD b) indicate the name of the satellite antenna beam by a three character code. For steerable beams, the last character shall be an "R"~~[for repositionable]~~;

MOD c) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station via a transmitting antenna pointing in a fixed direction, indicate the maximum isotropic gain (in dBi) ~~of the space station transmitting antenna~~ and the gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite on to a plane perpendicular to the axis from the centre of the Earth to the satellite. The space station antenna gain contours shall be drawn as isolines of the isotropic gain at least for -2, -4, -6, -10, and -20 dB and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain, when any of these contours is located either totally or partially anywhere within the limit of visibility of the Earth from the given geostationary satellite. The antenna gain contours shall include effects of the planned longitudinal tolerance, inclination excursion and pointing accuracy of antenna. Whenever possible the gain contours of the space station transmitting antenna should also be provided in the form of a numerical equation;

MOD d) in the case where a steerable beam is used, data on the radiation characteristics shall be provided as follows:

1) in the case of the equivalent boresight area (see ADD No. 168B) being identical with the global or nearly global service area, provide only the maximum isotropic antenna gain (in dBi). The maximum antenna gain is applicable to all points on the Earth's visible surface;

2) in the case of the equivalent boresight area (see ADD No. 168B) being less than the global or nearly global service area, provide the maximum antenna gain and the equivalent antenna gain contours (see ADD No. 168C). These contours shall be provided as defined in item 10c) above.

MOD ~~b)~~ e) in the case of a space station aboard a geostationary satellite in which the antenna radiation beam is directed towards another satellite also indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

in the case of a space station aboard a non-geostationary satellite, indicate the isotropic gain of the space station transmitting antenna in the direction of maximum radiation (in dBi) and indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

ADD ~~c)~~ f)[1] indicate the type of polarization of the radiation emitted by the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149). In the case of linear polarization, indicate the angle (in degrees) measured anticlockwise in a plane normal to the beam axis from the equatorial plane to the electric vector of the wave as seen from the satellite;

ADD ~~d)~~ g) for a geostationary satellite, indicate the pointing accuracy of the antenna;

ADD ~~e)~~ h) in the case of a space station aboard a geostationary-satellite operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction, also indicate the gain of the space station transmitting antenna in the direction of those parts of the geostationary-satellite orbit which are not obstructed by the Earth, by means of a diagram showing estimated antenna gain versus orbit longitude.

NOC [1] This information need only be furnished when such information has been used as a basis to effect coordination with another administration.

Section E. Basic Characteristics to Be Furnished in Notices Relating to Frequencies to Be Received by Space Stations

NOC Item 9 Space Station receiving antenna characteristics

SUP ~~For each receiving beam:~~

ADD Provide information for each receiving satellite antenna beam:

MOD ~~f)~~ a) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station, indicate whether the receiving antenna beam will be pointing in a fixed direction or has a steerable beam (see ADD No. 168A) capability;

MOD b) indicate the name of the satellite antenna beam by a three character code. For steerable beams, the last character shall be an "R";

MOD c) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station via a receiving antenna pointing in a fixed direction, indicate the maximum isotropic gain (in dBi) and the gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite on to a plane perpendicular to the axis from the centre of the Earth to the satellite. The space station antenna gain contours shall be drawn as isolines of the isotropic gain at least for -2, -4, -6, -10, and -20 dB and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain, when any of these contours is located either totally or partially anywhere within the limit of visibility of the Earth from the given geostationary satellite. The antenna gain contours shall include effects of the planned longitudinal tolerance, inclination excursion and pointing accuracy of antenna. Whenever possible the gain contours of the space station receiving antenna should also be provided in the form of a numerical equation. Whenever possible the gain contours of the space station receiving antenna should also be provided in the form of a numerical equation;

MOD d) in the case where a steerable beam is used, data on the radiation characteristics shall be provided as follows:

1) in the case of the equivalent boresight area (see ADD No. 168B) being identical with the global or nearly global service area, provide only the maximum isotropic antenna gain (in dBi). The maximum antenna gain is applicable to all points on the Earth's visible surface;

2) in the case of the equivalent boresight area (see ADD No. 168B) being less than the global or nearly global service area, provide the maximum antenna gain and the equivalent antenna gain contours (see ADD No. 168C). These contours shall be provided as defined in item 9c) above.

MOD ~~b)~~ e) in the case of a space station aboard a geostationary satellite in which the antenna radiation beam is directed towards another satellite also indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

in the case of a space station aboard a non-geostationary satellite, indicate the isotropic gain of the space station receiving antenna in the direction of maximum radiation (in dBi) and indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

ADD ~~c)~~[1] f)[1] indicate the type of polarization of the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149). In the case of linear polarization, indicate the angle (in degrees) measured anticlockwise in a plane normal to the beam axis from the equatorial plane to the electric vector of the wave as seen from the satellite. Indicate also if consent is given to the general use of this information in the determination of the need for coordination with other satellite networks according to Appendix 29;

ADD ~~d)~~ g) indicate, for a geostationary-satellite, the pointing accuracy of the antenna;

ADD ~~e)~~ h) in the case of a space station aboard a geostationary satellite operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction, also indicate the gain of the space station receiving antenna in the direction of those parts of the geostationary-satellite orbit which are not obstructed by the Earth, by means of a diagram showing estimated antenna gain versus orbit longitude;

NOC [1] This information need only be furnished when such information has been used as a basis to effect coordination with another administration.

NOC

APPENDIX 4

NOC

Advance Publication Information to Be Furnished for a Satellite Network

NOC

Section C. Characteristics of the Satellite Network in the Earth-to-Space Direction

NOC Item 5 Characteristics of space station receiving antennas

SUP ~~For each Earth-to-space service area:~~

ADD Provide information for each receiving satellite antenna beam:

MOD ~~f)~~ a) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station, indicate whether the receiving antenna beam will be pointing in a fixed direction or has a steerable beam (see ADD No. 168A) capability.

MOD b) indicate the name of the satellite antenna beam by a three character code. For steerable beams, the last character shall be an "R" ~~[for repositionable];~~

MOD c) in the case of a space station aboard a geostationary satellite employing a receiving antenna pointing in a fixed direction, indicate the maximum isotropic gain (in dBi) ~~of the space station receiving antenna~~ and the gain contours plotted on a map of the Earth's surface preferably using a radial projection from the satellite in a plane perpendicular to the axis from the centre of the Earth to the satellite. The space station antenna gain contours shall be drawn as isolines of the isotropic ~~or absolute~~ gain at least for -2, -4, -6, -10, and -20 dB and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain when any of these contours is located either totally or partially anywhere within the limit of visibility of the Earth from the given geostationary satellite. The antenna gain contours shall include effects of the planned longitudinal tolerance, inclination excursion and pointing accuracy of antenna. Whenever possible the gain contours of the space station receiving antenna should also be provided in the form of a numerical equation;

MOD d) in the case where a steerable beam is used, data on the radiation characteristics shall be provided as follows:

1) in the case of the equivalent boresight area (see ADD No. 168B) being identical with the global or nearly global service area, provide only the maximum isotropic antenna gain (in dBi). The maximum antenna gain is applicable to all points on the Earth's visible surface;

2) in the case of the equivalent boresight area (see ADD No. 168B) being less than the global or nearly global service area, provide the maximum antenna gain and, to the extent practicable, the equivalent antenna gain contours (see ADD No. 168C). These contours shall be provided as defined in item 5c) above. If the gain contours are not provided, then the maximum antenna gain is applicable to all points on the Earth's visible surface.

ADD ~~b)~~ e) in the case of a space station aboard a geostationary satellite in which the antenna radiation beam is directed towards another satellite ~~[, or in the case of a space station aboard a non-geostationary satellite]~~, also indicate ~~[the isotropic or absolute gain of the space station receiving antenna in the direction of maximum radiation and]~~ the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

in the case of a space station aboard a non-geostationary satellite, indicate the isotropic gain of the space station receiving antenna in the direction of maximum radiation (in dBi) and indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

ADD ~~c)~~ f) if available, for each space station receiving antenna, indicate the type of polarization of the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149);

ADD ~~d)~~ g) in the case of a space station aboard a geostationary satellite operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction, also indicate the estimated gain of the space station receiving antenna in the direction of those parts of the geostationary-satellite orbit which are not obstructed by the Earth by means of a diagram showing estimated antenna gain versus orbit longitude.

NOC **Section D. Characteristics of the Satellite Network in the Space-to-Earth Direction**

NOC Item 5 Characteristics of space station transmitting antennas

SUP ~~For each space-to-Earth service area:~~

ADD Provide information for each transmitting satellite antenna beam:

MOD a) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station, indicate whether the transmitting antenna beam will be pointing in a fixed direction or has a steerable beam (see ADD No. 168A) capability;

MOD b) indicate the name of the satellite antenna beam by a three character code. For steerable beams, the last character shall be an "R".

MOD c) in the case of a space station aboard a geostationary satellite, employing a transmitting antenna pointing in a fixed direction, indicate the maximum isotropic gain (in dBi) and the gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite in a plane perpendicular to the axis from the centre of the Earth to the satellite. The space station antenna gain contours shall be drawn as isolines of the isotropic gain at least for -2, -4, -6, -10, and -20 dB and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain, when any of these contours is located either totally or partially anywhere within the limit of visibility of the Earth from the given geostationary satellite. The antenna gain contours shall include effects of the planned longitudinal tolerance, inclination excursion and pointing accuracy of antenna. Whenever possible the gain contours of the space station transmitting antenna should also be provided in the form of a numerical equation;

MOD d) in the case where a steerable beam is used, data on the radiation characteristics shall be provided as follows:

1) in the case of the equivalent boresight area (see ADD No. 168B) being identical with the global or nearly global service area, provide only the maximum isotropic antenna gain (in dBi). The maximum antenna gain is applicable to all points on the Earth's visible surface;

2) in the case of the equivalent boresight area (see ADD No. 168B) being less than the global or nearly global service area, provide the maximum antenna gain and the equivalent antenna gain contours (see ADD No. 168C). These contours shall be provided as defined in item 10c) above.

ADD ~~b)~~ e) in the case of a space station aboard a geostationary satellite in which the antenna radiation beam is directed towards another satellite also indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

in the case of a space station aboard a non-geostationary satellite, indicate the isotropic gain of the space station transmitting antenna in the direction of maximum radiation (in dBi) and indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

ADD ~~c)~~ f) if available, for each space station transmitting antenna, indicate the type of polarization of the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149);

ADD ~~d)~~ g) in the case of a space station aboard a geostationary satellite operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction, also indicate the estimated gain of the space station receiving antenna in the direction of those parts of the geostationary-satellite orbit which are not obstructed by the Earth by means of a diagram showing estimated antenna gain versus orbit longitude.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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28 September 1988
Original: English

COMMITTEE 5

SUMMARY RECORD

OF THE

SEVENTH MEETING OF COMMITTEE 5

(BROADCASTING SATELLITE SERVICE (BSS)
MATTERS AND ASSOCIATED PROCEDURES)

Thursday, 22 September 1988, at 1055 hrs

Chairman: Mr. D. SAUVET-GOICHON (France)

Subjects discussed:	Documents
1. Approval of the summary record of the sixth meeting	262
2. Fourth report of the Chairman of Working Group 5-A	313
3. Oral reports on the work of Working Group 5-B	-
4. Footnote 480 (continued)	281
5. Interim systems	-
6. Note from the Chairman of Committee 6 to the Chairman of Committee 5	287

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Approval of the summary record of the sixth meeting (Document 262)

The summary record of the seventh meeting of Committee 5 (Document 262) was approved, as amended by the delegate of Argentina (see Corrigendum 1 to Document 262).

2. Fourth report of the Chairman of Working Group 5-A (Document 313)

2.1 Before introducing his fourth report, the Chairman of Working Group 5-A said that the Working Group was approaching the completion of its task. Most of the problems relating to the feeder link Plan had been identified and resolved; only a few minor adjustments remained to be made, and he hoped that a final text would be ready by the weekend. Good progress had also been made on the preparation of the text of Annex 3 of Appendix 30A; a major part of that text was before the Committee in Document 313. Replying to a query by the delegate of Israel, he said that the question of special requirements of administrations wishing to have more up-link channels than down-link channels was one of the unresolved issues to be discussed at the Working Group's next meeting. In reply to a point raised by the delegate of Tunisia, he said that, as previously reported, the Working Group had taken a decision to accept only modifications which improved the Plan and only with the agreement of the administrations concerned. That principle would continue to be applied. The delegate of Egypt said that, in his view, new requirements should continue to be accepted provided they did not delay the finalization of the Plan.

Turning to his fourth report as contained in Document 313, the Chairman of Working Group 5-A said that the document had been agreed in the Working Group and was being submitted on that basis. It had been brought to his attention that Table 2B provided no means of identifying the appropriate translation frequency; the matter could be dealt with either by placing the Table in square brackets or by treating the required change as an editorial one.

2.2 Mr. Brooks (IFRB) suggested that in order to avoid confusion between channel numbers a division should be established between a part A containing the 14 GHz frequencies and a part B containing the 17 GHz frequencies.

2.3 The Chairman invited the Committee to consider Attachment 1 to Document 313 (Format of the feeder link Plan).

Title

Approved, with the article number left in square brackets as an editorial matter.

Column headings: 1,2,3,5,6,7,8,10

Approved.

Column heading 4

2.4 The delegate of Algeria suggested that, in accordance with Appendix 30, boresight geographical coordinates for Regions 1 and 3 should be indicated in degrees and tenths of a degree, rather than in hundredths of a degree as for Region 2. After a brief discussion in which Mr. Brooks (IFRB) and the Chairman took part, it was decided to amend column heading 4 accordingly.

Column heading 9

2.5 The Chairman of Working Group 5-A said that a reference to the relevant section of the Radio Regulations would be inserted in the blank space between the square brackets, which should be maintained for the present. Replying to the delegate of Egypt, who suggested the addition of the words "during rain fades" to the column heading in the interests of greater clarity, the Chairman said that that matter would be reconsidered when the text had been completed by a reference to the appropriate technical annex.

Tables 2A and 2B

2.6 The delegates of Egypt, Tunisia, the USSR and Italy having made comments concerning the presentation of Tables 2A and 2B and the title of Table 2A, it was agreed that the Chairman of Working Group 5-A should, after discussing the matter with those delegates and with Mr. Brooks, issue a revised version of the tables.

2.7 The Chairman moved on to Attachment 2 to Document 313 (Annex 3 of Appendix 30A). In response to a general point raised by the delegate of the United Kingdom to the effect that parts of the text might entail consequences for other articles in Appendix 30A, he suggested that paragraph 3.13 (Orbit positions), which put forward two new ideas, should be considered first. If the Committee approved those ideas in principle, the question of their consequences would have to be considered later.

2.8 The delegate of the United Kingdom said that before accepting the ideas incorporated in paragraph 3.13, the Committee should give careful consideration to their possible implications. After further discussion, in which the delegates of Italy, Israel and Argentina took part, it was agreed that Working Group 5-A should study the technical aspects of the consequences of paragraph 3.13 for Appendix 30A and that Working Group 5-B should consider the implication of this paragraph on Appendix 30 and possibly make suggestions in that respect.

2.9 The Chairman then invited the Committee to consider Annex 3 from the beginning up to the end of paragraph 1.11.

It was approved subject to editorial corrections to paragraphs 1.6bis and 1.7, to be handed to the Chairman of the Working Group, and to replacement of the square bracket by ordinary brackets in the formula for Regions 1 and 3 in paragraph 1.11

2.10 The delegate of Romania said that the values for his Administration's up-link equivalent protection margins appearing in the latest draft Plan were too small. He requested the Committee to take note of Romania's reservation concerning the results of the latest BSS feeder link planning exercise and expressed the hope that efforts would be made to find solutions which would improve the up-link and overall equivalent protection margins for Romania's BSS channels.

3. Oral reports on the work of Working Group 5-B

3.1 The Chairman of Working Group 5-B said that the full text of Resolution 2 (SAT-R2) on interim systems, whose completion had been delayed, was now ready for consideration by the Working Group. In its work on the application

of Appendix 30, the Working Group had succeeded in drawing a clear distinction between issues for which solutions could be found without touching the Radio Regulations and those which still gave rise to difficulties, and work on those two sets of issues was underway. Since Sub-Working Group 5-B-1, which had begun work on the draft concerning Appendix 30A, would be holding no further meetings, that work would now be continued within Working Group 5-B. Lastly, it had been decided, after contact with Committee 6, to add Resolution 34 to the Resolutions and Recommendations appearing in Document DT/48.

3.2 The Chairman of Sub-Working Group 5-B-2 said that the Sub-Working Group had made good progress. A compromise text for a Resolution on sound broadcasting from satellites had been arrived at in Group 5-B-2 ad hoc 1 and should be ready for discussion at the next meeting of Sub-Working Group 5-B-2. The finalization of the question raised by India concerning experimentation in sound broadcasting from satellites would also be taken up at that meeting. A compromise text had also emerged on the question of HD-TV broadcasting from satellites and would be ready for consideration at the Committee's next meeting; it should be noted, however, that the Delegations of Norway, Mexico and Argentina had expressed concerns in connection with that Resolution.

The Committee took note of the following Reports.

4. Footnote 480 (continued) (Document 281)

The modified text of RR 480, as contained in Document 281, was approved.

5. Interim systems

5.1 The Chairman of Sub-Working Group 5-B-1 said that the Sub-Working Group had conducted an initial discussion on the question of the possible extension to Regions 1 and 3 of the interim systems now provided for Region 2 and had concluded, first, that the present Conference was not competent to carry out such an extension and, second, that it would be worthwhile to explore methods of empowering a future Conference to do so. A number of informal discussions had been held and efforts made to draft a text. In his view, the time had come to engage in a more formal exercise, and he suggested that a small ad hoc Group should be set up to that end. In reply to a question by the delegate of Bulgaria, he said that Item 10 of the Conference agenda contained no hint of any possibility of extension of Resolution 2 (SAT-R2) beyond Region 2; the Conference could not therefore be considered competent to extend the provisions of that Resolution to other regions.

At the suggestion of the Chairman, it was decided to set up an ad hoc Working Group chaired by Mr. Selwyn (United States of America), and consisting of the delegates of Australia, Japan and the USSR. The Group's terms of reference would be as follows:

> "to prepare the text of a draft Resolution for the attention of a future Conference concerning the possibility of extending the interim system provisions to Regions 1 and 3 and to report back to Working Group 5-B".

6. Note from the Chairman of Committee 6 to the Chairman of Committee 5 (Document 287)

6.1 The Chairman said that no action by the Committee was required on proposal CAN/60/245. He suggested that CAN/60/247 should be referred to Working Group 5-B for consideration in connection with Resolution 41.

It was so agreed.

The meeting rose at 1210 hours.

The Secretary: The Chairman:

G.MESIAS D. SAUVET-GOICHON

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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23 September 1988
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Source: Documents DL/54, DL/55

SIXTH REPORT BY THE CHAIRMAN OF WORKING GROUP 6-B TO COMMITTEE 6

1. The Working Group has now completed consideration of Sections III, IV and V of Article 11 and its decisions are contained in the Annex. The United States and the USSR have reserved their positions concerning ADD 1111A in the Document.

2. The Working Group has examined the three Resolutions allocated to it in Document DT/... It decided to propose to Committee 6 the suppression of Resolution 3 and to retain unchanged the text of Resolution 642. The other Resolution, (i.e. Resolution 4) was examined and it was decided that it shall be treated when the report containing related decisions is received from the Chairman of Sub-Working Group 6-B-2.

3. Sub-Working Group 6-B-2 has held two meetings and has essentially completed its review of the Article 13 proposals. The Group established an ad hoc Group under the chairmanship of Mr. Williams (the United States) to consider proposals pertinent to the question of extending the time-frame for the bringing into use of satellite networks. This Group has now completed its work.

4. Working Group 6-B ad hoc 3 has held two meetings and is nearing completion of its work. This Group is considering the matter related to the provisions of Article 14.

5. Working Group 6-B ad hoc 1 which is considering the question of Appendices 3 and 4 has made good progress and an input document containing decisions of the Group is expected for the next meeting of the Working Group.

A.V. CAREW
Chairman of Working Group 6-B

Annex: 1

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ANNEX

MOD **Section III. Coordination of Frequency Assignments to an Earth Station Operating in Both Geostationary and Non-Geostationary Satellite Networks in Relation to Terrestrial Stations**

ADD 1111A

d) to bring into use a new frequency assignment to a receiving earth station and the notifying administration states that it accepts the interference resulting from the assignments to terrestrial stations. In such a case, administrations responsible for the terrestrial stations are not required to apply the provisions of Section IV of this Article.

MOD 1118

a) interference[1] which would affect the service rendered by its terrestrial radiocommunication stations operating in accordance with the Convention and these Regulations, or to be so operated prior to the planned date of bringing the earth station assignment into service, or within the next three years, whichever is the longer; and

NOC 1119

b) interference[1] which would be caused to reception at the earth station by the service rendered by its terrestrial radiocommunication stations operating in accordance with the Convention and these Regulations, or to be so operated prior to the planned date of bringing the earth station assignment into service, or within the next three years, whichever is the longer.

MOD 1118.1 and 1119.1

[1] In the absence of specific provisions relating to the evaluation of the interference, the calculation methods and the criteria to be employed in evaluating the interference should be based on relevant CCIR Recommendations agreed by the administrations concerned either as result of Resolution 703 or otherwise. In the event of disagreement on a CCIR Recommendation or in the absence of such Recommendations, the methods and criteria shall be agreed between the administrations concerned. Such agreements shall be concluded without prejudice to other administrations.

MOD 1143 a) that no complaint will be made in respect of any harmful interference <u>affecting</u> the services rendered by its terrestrial stations <u>which may be caused</u> by the use of the assignment for which coordination was requested;

MOD 1144 b) that its terrestrial stations will not cause harmful interference to ~~the use of~~ the assignment for which coordination was requested.

SUP 1145 Notification of Frequency Assignments in the Event of Continuing Disagreement

SUP 1146 § 22. In the event of continuing disagreement between an administration seeking to effect coordination and one with which coordination has been sought, the administration seeking coordination shall, except in the cases where the assistance of the Board has been requested, defer the submission of its notice concerning the proposed assignment by six months from the date of the request for coordination, taking into consideration the provisions of No. 1496.

MOD 1164 § 26. (1) On receipt of the coordination data, the administration with which coordination is sought shall promptly examine the matter with regard to interference[1] which would <u>affect</u> the services rendered by its earth stations covered by Nos. 1148 to 1154, which are operating, or are to be operated, within the next three years.

MOD 1166 (3) The administration with which coordination is sought shall, within an overall period of four months[2] from dispatch of the coordination data, either notify the administration requesting coordination of its agreement to the proposals or, if this is not possible, indicate the reasons <u>for its objection</u> and make such suggestions as it may be able to offer with a view to a satisfactory solution of the problem.

MOD 1167 § 27. Either the administration seeking coordination or the administration with which coordination is sought may request additional information which it may require to assess the interference to <u>assignments of the network</u> concerned.

NOC 1170 a) an administration with which coordination is sought under Nos. 1148 to 1154 fails to acknowledge receipt under No. 1162 within thirty days of dispatch of the coordination data;

NOC 1181 (6) Where an administration fails to reply within thirty days of dispatch of the Board's telegram sent under No. 1176 requesting an acknowledgement, or fails to give a decision in the matter within two months of dispatch of the Board's telegram of request sent under No. 1177, it shall be deemed that the administration with which coordination was sought has undertaken that no complaint will be made in respect of any harmful interference which may be caused by the terrestrial station being coordinated to the service rendered by its earth station.

NOC 1189 to 1213 NOT allocated.

SUP RESOLUTION 3

Relating to the Use of the Geostationary-Satellite Orbit and to the Planning of Space Services Utilizing It

NOC RESOLUTION 642

Relating to the Bringing into Use of Earth Stations in the Amateur-Satellite Service

INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

The Working Group of the Plenary had approved the Revisions to Appendix 4 concerning characteristics of receiving earth stations. It is submitted to Committee 6 for appropriate action.

R. RYVOLA
Chairman of the Working Group of the Plenary

Attachment

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NOC APPENDIX 4

NOC **Advance Publication Information to be Furnished for a Satellite Network**

NOC **Section D. Characteristics of the Satellite Network in the Space-to-Earth Direction**

NOC Item 6 Characteristics of receiving earth stations

NOC a) For each space-to-Earth service area, when other than a simple frequency-changing transponder is used aboard the space station, indicate the lowest total receiving system noise temperature on the earth stations referred to the output of the receiving antenna.

MOD For each space-to-Earth service area and for each projected usage[1] when simple frequency-changing transponders are used on the space station, indicate <u>preferably in tabular form</u>:

NOC 1) the lowest equivalent satellite link noise temperature and the associated value of transmission gain; and

NOC 2) the values of transmission gain and associated equivalent link noise temperature that correspond to the highest ratio of transmission gain to equivalent satellite link noise temperature. The transmission gain is evaluated from the output of the receiving antenna of the space station to the output of the receiving antenna of the earth station. For each projected usage, indicate also the receiving antenna(s) of the space station to which each simple frequency-changing transponder will be connected.

MOD [1] A different usage will be considered to take place when different types of carriers are employed (different by virtue of maximum power spectral density), or when different types of receiving earth stations are employed (different by virtue of receiving antenna gain), <u>or when up-link beams are connected to different down-link beams with their respective associated frequency bands</u>.

NOC b) If available, indicate for each space-to-Earth service area the actual radiation pattern (relative to isotropic) of the receiving earth station for each size of receiving earth station antenna having the highest off-beam level. When simple frequency-changing transponders are used on the space station, indicate also, if available, the pattern associated with each equivalent satellite link noise temperature indicated above.

NOC Item 7 Necessary bandwidth

NOC If available, in the case of narrow-band carriers, indicate the necessary bandwidth.

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COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

The Working Group of the Plenary had approved the revisions to Appendix 3 concerning overall link characteristics. It is submitted to Committee 6 for appropriate action.

R. RYVOLA
Chairman of the Working Group of the Plenary

Attachment

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D. Overall link characteristics

For simple frequency changing transponders on board a geostationary satellite the following information is to be provided:

2.D.1 Connection between "Earth-to-space" and "space-to-Earth" frequencies in the network

Indicate, in tabular form the connection between up-link and down-link frequency assignments in each transponder for each intended combination of receiving and transmitting beams.

2.D.2 Transmission gains and associated equivalent satellite link noise temperatures

For each entry under [2.D.1] indicate in tabular form:

a) the lowest equivalent satellite link noise temperature and the associated transmission gain under the conditions defined in item [2.C.13] (see No. 168);

b) the values of transmission gain and associated equivalent satellite link noise temperature that correspond to the highest ratio of transmission gain to equivalent satellite link noise temperature. The transmission gain is evaluated from the output of the receiving antenna of the space station to the output of the receiving antenna of the earth station.

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COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY TO THE CHAIRMAN OF COMMITTEE 6

The Working Group of the Plenary adopted the following documents which concern the relevant technical issues listed in Document 210 and the results should be incorporated into:

i) the revised Appendix 3

Document 323
Document 324
Document 328

ii) the revised Appendix 4

Document 225
Document 324 + Corr.1
Document 327

The Working Group of the Plenary did not agree to incorporate the technical issues concerning the diameters of earth station and space station antennas and objective values for C/N into the revised Appendices 3 and 4.

R. RYVOLA
Chairman of the Working Group
of the Plenary

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 330-E
23 September 1988
Original: English

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

The Working Group of the Plenary recommends to Committee 6 to consider the inclusion of a new section at the end of Appendix 4 which would have a similar effect as Section G or H of the present Appendix 3.

R. RYVOLA
Chairman of the Working Group of the Plenary

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Addendum 1 to
Document 331-E
26 September 1988
Original: English

WORKING GROUP 6-B

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

1) On page 17, Item 2.B.12

ADD d)[1] Indicate for each carrier type[8] (see item 10), the maximum power density per Hz (dB(W/Hz))[4] at the input of the antenna, averaged over the worst 4 kHz band for carriers below 15 GHz, or averaged over the worst 1 MHz band for carriers above 15 GHz.

ADD e)[1] Indicate the maximum aggregate power (dBW) of all carriers (per transponder, if applicable) supplied to the input of the antenna and their aggregate bandwidth. If this corresponds to the bandwidth of a transponder, so indicate.

2) On page 20, Item 2.C.8

ADD d) Indicate the maximum total peak envelope power (in dBW) at the input of the antenna for each contiguous satellite bandwidth and this bandwidth. For a satellite transponder, this corresponds to the maximum saturated peak envelope power and the bandwidth of each transponder.

ADD e)[1] Indicate for each carrier type[8] (see item 11), the maximum power density per Hz (dB(W/Hz))[4] at the input of the antenna, averaged over the worst 4 kHz band for carriers below 15 GHz, or averaged over the worst 1 MHz band for carriers above 15 GHz.

3) On page 29 -

Replace footnote 1 by:

[1] This information need only be furnished when such information has been used as a basis to effect coordination with another administration. This information may be optionally provided in a request for coordination under RR 1073, see Resolution (GT-PLEN/3).

Add footnote 8

[8] For details of carrier types, see relevant CCIR texts.

J. CHRISTENSEN
Chairman of Working Group 6B Ad Hoc 1

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 331-E
23 September 1988
Original: English

Source: Documents DL/48, DT/59(Rev.1), DT/66 and DT/66(Add.1)

WORKING GROUP 6-B

SECOND REPORT BY THE CHAIRMAN OF WORKING GROUP 6-B AD HOC 1 TO WORKING GROUP 6-B

The Working Group 6-B ad hoc 1 has held seven meetings. In accordance with its terms of reference it has examined proposals dealing with Appendices 3 and 4. It has decided that Appendices 3 and 4 should not be combined.

It has adopted a new structure for Appendix 3. This structure is given in Annex 1. In drawing up this new structure the Group took into consideration Documents 238, 284 and 286 which deal with the principles of coordination and notification with respect to satellite systems considered on a network basis.

The contents of the restructured Appendix 3 is given in Annex 2. Technical questions relating relating to the items contained in Appendix 3 are being considered by the Working Group of the Plenary and the results of their deliberations will need to be incorporated into the text of the restructured Appendix 3. We have identified where additional text can be incorporated as it becomes available from the Working Group of the Plenary.

It was decided that Appendix 4 should continue to exist in its present form but that, wherever possible, the text of an item of Appendix 4 be revised to correspond with the text of the related item of the restructured Appendix 3.

J. CHRISTENSEN
Chairman of Working Group 6-B ad hoc 1

Annexes: 2

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ANNEX 2

APPENDIX 3

Notices Relating to Space Radiocommunication and Ratio Astronomy Stations

(see Articles 11, 13 and 14)

Section I. General Instructions

1. A separate notice shall be sent to the International Frequency Registration Board for notifying:

- each geostationary, non-geostationary or deep space satellite network including its associated typical earth stations (see Section II of this Appendix);
- each frequency assignment to an earth station when coordination is required pursuant to No. 1107 of the Radio Regulations (see Section III of this Appendix);
- each frequency assignment to be received by a radio astronomy station (see Section IV of this Appendix);
- any new typical earth station to be asociated with a previously notified network;
- any change in the characteristics of a frequency assignment recorded in the Master International Frequency Register (hereinafter called the Master Register);
- any total deletion of a frequency assignment recorded in the Master Register.

2. When submitting notices under [Nos. 1488 and 1491] for frequency assignments to a space station and associated earth stations that together are to form a satellite network, for transmission and reception by the space station or any associated earth station, a single notice may be submitted that covers all basic characteristics of the network and lists the assigned frequencies as prescribed in this Appendix. However, when submitting individual notices under [Nos. 1488 to 1491] for frequency assignments to an earth or space station for transmitting or for frequency assignments to be used for reception by an earth or space station, separate notices shall be submitted to the Board for each assignment. In each of these cases where the basic characteristics are identical, with the exception of the frequency, a single notice may be submitted covering all basic characteristics and listing the assigned frequencies.

An individually submitted notice for a transmitting or receiving earth station the basic characteristics of which may cause more interference or require more protection than those of a typical earth station associated with a previously notified network may be associated with that network as a new associated earth station type when it has been successfully coordinated under the provisions of [RR 1060] as part of the network.

3. In the case of a satellite system employing multiple space stations with the same general characteristics, a separate notice shall be submitted to the Board for each space station for transmitting or receiving assignments:

- when it is aboard a geostationary satellite;
- when it is aboard a non-geostationary satellite except when a number of satellites have the same radio frequency characteristics and orbital characteristics (excluding the ascending node position); in the latter case, one notice covering all such space stations may be submitted to the Board.

4. The notice forms and basic characteristics in this Appendix shall also be used for coordination pursuant to Nos. 1060 and 1107 of the Radio Regulations and for seeking agreement pursuant to Article 14 of the Radio Regulations, as appropriate.

5. The following information, when appropriate, shall be shown on the notice:

a) the national serial number of the notice and the date on which the notice is sent to the Board;

b) the name of the notifying administration;

c) whether the notice reflects:

1) the first notification and, if so, whether it is an ADD, MOD or SUP;

2) the resubmission of the notice;

3) the request for coordination pursuant to No. 1060 of the Radio Regulations;

4) the request for coordination pursuant to No. 1107 of the Radio Regulations;

5) the notification pursuant to No. 1488;

6) the request for agreement pursuant to Article 14 of the Radio Regulations;

7) the request for assistance of the IFRB;

d) reference to the IFRB weekly circular special section providing the advance publication information required in accordance with No. 1042;

e) reference to the IFRB weekly circular special section providing the coordination information required in accordance with No. 1060;

f) reference to the IFRB weekly circular special section providing the information required in accordance with Article 14;

g) characteristics as outlined in Sections I, II, or IV as appropriate;

h) any other information which the administration considers to be relevant, e.g., an indication that an assignment concerned would be operating in accordance with No. 342 of the Radio Regulations, any factors taken into account when applying Appendix 28 for determination of the coordination area or if the transmissions of the station are to be permanently switched off after a certain period.

Section II. Notices Relating to Coordination under No. 1060 of Satellite Networks and Notification of Space Stations

A. General characteristics to be provided for the satellite network

2.A.1 Identity of the satellite network

Indicate the identity of the space station(s).

2.A.2 Date of bringing into use[3]

a) In the case of a new assignment, indicate the date (actual or foreseen, as appropriate) of bringing the frequency assignment into use.

b) Whenever the assignment is changed in any of its basic characteristics (except in the case of a change in Item 2.A.1), the date to be given shall be that of the latest change (actual or foreseen, as appropriate).

2.A.3 Operating administration or company

Give the name of the operating administration or company and the postal and telegraphic addresses of the administration to which communications should be sent on urgent matters regarding interference, quality of emissions and questions referring to the technical operation of the space station (see Article 22).

2.A.4 Orbital information

a) In the case of a space station aboard a geostationary satellite indicate the nominal geographical longitude on the geostationary satellite orbit and the planned longitudinal tolerance and inclination excursion. Indicate also in the case where a geostationary satellite is intended to communicate with an earth station:

1) the arc of the geostationary satellite orbit over which the space station is visible, at a minimum angle of elevation of 10° at the Earth's surface, from its associated earth stations or service areas;

2) the arc of the geostationary satellite orbit within which the space station could provide the required service to its associated earth stations or service areas;

3) in the event that the arc defined in paragraph 2) above is less than the arc defined in paragraph 1) above, provide the reasons therefor.

Note - The arcs specified in 1) and 2) will be indicated by the geographical longitude of the extremes of these arcs on the geostationary satellite orbit.

b) In the case of any space station(s) aboard non-geostationary satellite(s), indicate the angle of inclination of the orbit, the period, the altitudes in kilometres of the apogee and perigee of the space station(s) and the number of satellites used.

2.A.5 Coordination

Give the name of any administration with which the use of this frequency has been successfully coordinated in accordance with No. 1060 and, if appropriate, the name of any administration with which coordination has been sought but not completed.

2.A.6 Agreements

a) Give, if appropriate, the name of any administration with which agreement has been effected to exceed the limits prescribed in these Regulations.

b) Give, if appropriate, the name of any administration with which agreement has been effected pursuant to Article 14.

B. Characteristics of the satellite network for reception at the space station

All items of sub-section B are to be provided for each satellite beam if a network is to be coordinated or notified.

Information related to satellite receive beam

2.B.1 Name of satellite receive beam

Indicate the name of the satellite receiving antenna beam and whether it is steerable or reconfigurable antenna beam.

2.B.2 Service area or associated transmitting station(s)

a) In the case where the associated transmitting stations are earth stations, indicate the service area or areas of the satellite beam on the Earth.

b) In the case where the associated transmitting stations are space stations, identify each station by reference to the notification thereof or in any other appropriate manner.

2.B.3 Assigned frequency (frequencies)

Indicate the assigned frequency (frequencies), as defined in Article 1 (see No. 142), in kHz up to 28 000 kHz inclusive, in MHz above 28 000 kHz to 10 500 MHz inclusive and in GHz above 10 500 MHz.

In the case where the basic characteristics are identical, with the exception of the frequency, a single notice may be submitted covering all basic characteristics and listing the assigned frequencies.

2.B.4 Assigned frequency band

Indicate the bandwidth of the assigned frequency band in kHz (see No. 141).

2.B.5 Class of station(s) and nature of service

Indicate the class of station and nature of service performed, using the symbols shown in Appendix 10.

2.B.6 Space station receiving antenna characteristics

For each receiving satellite antenna beam:

a) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station, indicate whether the transmitting antenna beam will be pointing in a fixed direction or has a steerable beam (see ADD No. 168A) capability;

b) indicate the name of the satellite antenna beam by a three character code. For steerable beams, the last character shall be an "R";

c) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station via a receiving antenna pointing in a fixed direction, indicate the maximum isotropic gain (in dBi) and the gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite on to a plane perpendicular to the axis from the centre of the Earth to the satellite. The space station antenna gain contours shall be drawn as isolines of the isotropic or absolute gain, at least for -2, -4, -6, -10, and -20 dB and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain, when any of these contours is located either totally or partially anywhere within the limit of visibility of the Earth from the given geostationary satellite. The antenna gain contours shall include effects of the planned longitudinal tolerance, inclination excursion and pointing accuracy of antenna. Whenever possible the gain contours of the space station receiving antenna should also be provided in the form of a numerical equation. Whenever possible the gain contours of the space station receiving antenna should also be provided in the form of a numerical equation;

d) in the case where a steerable beam is used, data on the radiation characteristics shall be provided as follows:

1) in the case of the equivalent boresight area (see ADD No. 168B) being identical with the global or nearly global service area, provide only the maximum isotropic antenna gain (in dBi). The maximum antenna gain is applicable to all points on the Earth's visible surface;

2) in the case of the equivalent boresight area (see ADD No. 168B) being less than the global or nearly global service area, provide the maximum antenna gain and the equivalent antenna gain contours (see ADD No. 168C). These contours shall be provided as defined in item 9c) above.

e) in the case of a space station aboard a geostationary satellite in which the antenna radiation beam is directed towards another satellite also indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

f) in the case of a space station aboard a non-geostationary satellite, indicate the isotropic gain of the space station receiving antenna in the direction of maximum radiation (in dBi) and indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

g)[1] indicate the type of polarization of the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149). In the case of linear polarization, indicate the angle (in degrees) measured anticlockwise in a plane normal to the beam axis from the equatorial plane to the electric vector of the wave as seen from the satellite. Indicate also if consent is given to the general use of this information in the determination of the need for coordination with other satellite networks according to Appendix 29;

h) indicate, for a geostationary-satellite, the pointing accuracy of the antenna;

i) in the case of a space station aboard a geostationary satellite operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction, also indicate the gain of the space station receiving antenna in the direction of those parts of the geostationary-satellite orbit which are not obstructed by the Earth, by means of a diagram showing estimated antenna gain versus orbit longitude;

2.B.7 Receiving system noise temperature

Indicate, in kelvins, the total receiving system noise temperature referred to the output of the receiving antenna of the space station.

Information related to associated transmitting station(s)

This information is to be provided for each type of transmitting station associated with each space station antenna beam.

2.B.8 Type and identity of the associated transmitting station(s)

Indicate whether the associated transmitting station is another space station, a typical earth station of the network, or a specific earth station.

When the associated transmitting station is:

a) another space station; indicate its characteristics by reference to the notification thereof or in any other appropriate manner;

b) a typical earth station of the network; the characteristics provided under the following items of sub-section B shall represent the limiting characteristics for any particular earth station conforming to that type for the purpose of coordination under RR 1060;

c) a specific earth station; the characteristics provided under the following items of sub-section B only apply to that earth station and shall include the identity of the earth station and the geographical coordinates of the antenna site for the purpose of coordination under RR 1060.

Note - The remaining items in sub-section B are to be provided for each associated earth station or typical earth station.

2.B.9 Class of station(s) and nature of service

Indicate the class of station and nature of service performed, using the symbols shown in Appendix 10.

2.B.10 Earth station transmitting antenna characteristics

a) Indicate the isotropic gain (dBi) of the antenna in the direction of maximum radiation (see No. 154).

b) Indicate the beamwidth in degrees between the half power points (describe in detail if not symmetrical).

c) Either attach the measured radiation diagram of the antenna (taking as a reference the direction of maximum radiation) or indicate the reference radiation diagram to be used for coordination.

d)[1] Indicate the type of polarization of the transmitted wave in the direction of maximum radiation; also indicate the direction in the case of circular polarization and the plane in the case of linear polarization. (See Nos. 148 and 149.)

2.B.11 Class of emission and necessary bandwidth and description of the transmission

In accordance with Article 4 and Appendix 6:

a) indicate the class of emission;

b)[1] indicate the carrier frequency or frequencies of the emission(s);

c)[1] indicate, for each carrier, the class of emission, necessary bandwidth and description of transmission;

d)[1] indicate for the carrier having the smallest bandwidth of assignments in the system the class of emission, necessary bandwidth and a description of the transmission.

2.B.12 Power characteristics of the [earth station] transmission

a)[1] Indicate for each carrier the peak envelope power (dBW) supplied to the input of the antenna.

b) Indicate the total peak envelope power (dBW) and the maximum power density per Hz (dB(W/Hz))[4] supplied to the input of the antenna averaged over the worst 4 kHz band for carriers below 15 GHz, or averaged over the worst 1 MHz band for carriers above 15 GHz.

c)[1] Indicate for each carrier the minimum value of the peak envelope power supplied to the input of the antenna.

2.B.13 [1] Modulation characteristics

For each carrier, according to the nature of the signal modulating the carrier and the type of modulation, indicate the following characteristics:

a) carrier frequency modulated by a frequency division multi-channel telephony baseband (FDM/FM) or by a signal that can be represented by a multi-channel telephony baseband: indicate the lowest and highest frequencies of the baseband and the r.m.s. frequency deviation of the test tone as a function of baseband frequency;

b) carrier frequency modulated by a television signal: indicate the standard of the television signal (including, where appropriate, the standard used for colour), the frequency deviation for the reference frequency of the pre-emphasis characteristic and the pre-emphasis characteristic itself. Also indicate, where applicable, the characteristics of the multiplexing of the video signal with the sound signal(s) or other signals;

c) carrier phase-shift modulated by a digital signal: indicate the bit rate and the number of phases;

d) amplitude modulated carrier (including single side-band): indicate as precisely as possible the nature of the modulating signal and the kind of amplitude modulation used;

e) for all other types of modulation, provide such particulars as may be useful for an interference study;

f) for any type of modulation as applicable, indicate the characteristics of energy dispersal, such as the peak-to-peak frequency deviation (MHz) and the sweep frequency (kHz) of the energy dispersal waveform.

C. Characteristics of the satellite network for transmission from the space station

All items of sub-section C are to be provided for each satellite beam if a network is to be coordinated or notified.

Information related to satellite transmitting beam

2.C.1 Name of the satellite transmitting beam

Indicate the name of the satellite transmitting antenna beam and whether it is a steerable or reconfigurable antenna beam.

2.C.2 Service area or associated receiving station(s)

a) In the case where the associated receiving stations are earth stations, indicate the service area or areas of the satellite beam on the Earth.

b) In the case where the associated receiving stations are space stations, identify each station by reference to the notification thereof or in any other appropriate manner.

2.C.3 Space station transmitting antenna characteristics

For each transmitting satellite antenna beam:

a) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station, indicate whether the transmitting antenna beam will be pointing in a fixed direction or has a steerable beam (see ADD No. 168A) capability;

b) indicate the name of the satellite antenna beam by a three character code. For steerable beams, the last character shall be an "R";

c) in the case of a space station aboard a geostationary satellite that is intended to communicate with an earth station via a transmitting antenna pointing in a fixed direction, indicate the maximum isotropic gain (in dBi) and the gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite on to a plane perpendicular to the axis from the centre of the Earth to the satellite. The space station antenna gain contours shall be drawn as isolines of the isotropic gain at least for -2, -4, -6, -10, and -20 dB and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain, when any of these contours is located either totally or partially anywhere within the limit of visibility of the Earth from the given geostationary satellite. The antenna gain contours shall include effects of the planned longitudinal tolerance, inclination excursion and pointing accuracy of antenna. Whenever possible the gain contours of the space station transmitting antenna should also be provided in the form of a numerical equation;

d) in the case where a steerable beam is used, data on the radiation characteristics shall be provided as follows:

1) in the case of the equivalent boresight area (see ADD No. 168B) being identical with the global or nearly global service area, provide only the maximum isotropic antenna gain (in dBi). The maximum antenna gain is applicable to all points on the Earth's visible surface;

2) in the case of the equivalent boresight area (see ADD No. 168B) being less than the global or nearly global service area, provide the maximum antenna gain and the equivalent antenna gain contours (see ADD No. 168C). These contours shall be provided as defined in item 10c) above.

e) in the case of a space station aboard a geostationary satellite in which the antenna radiation beam is directed towards another satellite also indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

f) in the case of a space station aboard a non-geostationary satellite, indicate the isotropic gain of the space station transmitting antenna in the direction of maximum radiation (in dBi) and indicate the antenna radiation pattern, taking the gain in the direction of maximum radiation as a reference;

g)[1] indicate the type of polarization of the radiation emitted by the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149). In the case of linear polarization, indicate the angle (in degrees) measured anticlockwise in a plane normal to the beam axis from the equatorial plane to the electric vector of the wave as seen from the satellite;

h) for a geostationary satellite, indicate the pointing accuracy of the antenna;

i) in the case of a space station aboard a geostationary-satellite operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction, also indicate the gain of the space station transmitting antenna in the direction of those parts of the geostationary-satellite orbit which are not obstructed by the Earth, by means of a diagram showing estimated antenna gain versus orbit longitude.

2.C.4 Assigned frequency (frequencies)

Indicate the assigned frequency (frequencies), as defined in Article 1 (see No. 142), in kHz up to 28 000 kHz inclusive, in MHz above 28 000 kHz to 10 500 MHz inclusive and in GHz above 10 500 MHz.

In the case where the basic characteristics are identical, with the exception of the frequency, a single notice may be submitted covering all basic characteristics and listing the assigned frequencies.

2.C.5 Assigned frequency band

Indicate the bandwidth of the assigned frequency band in kHz (see No. 141).

2.C.6 Class of station(s) and nature of service

Indicate the class of station and nature of service performed, using the symbols shown in Appendix 10.

2.C.7 Class of emission, necessary bandwidth and description of transmission[6]

In accordance withe Article 4 and Appendix 6:

a) indicate the class of emission of the transmission;

b)[1] indicate the carrier frequency or frequencies of the transmission;

c)[1] indicate, for each carrier, the class of emission, necessary bandwidth and description of transmission;

d)[1] indicate, for the carrier having the smallest bandwidth of assignments in the system, the class of emission, necessary bandwidth and a description of the transmission.

2.C.8 Power characteristics of the space station transmission[6]

a)[1] Indicate for each carrier the peak envelope power (dBW) supplied to the input of the antenna.

b) Indicate the maximum power density per Hz (dB(W/Hz))[4] at the input to the antenna, averaged over the worst 4 kHz band for carriers below 15 GHz or averaged over the worst 1 MHz band for carriers above 15 GHz.

c)[1] Indicate for each carrier the minimum value of the peak envelope power supplied to the input of the antenna.

2.C.9 [1] Modulation characteristics[6]

For each carrier, according to the nature of the signal modulating the carrier and the type of modulation, indicate the following characteristics:

a) carrier frequency modulated by a frequency-division multi-channel telephony baseband (FDM/FM) or by a signal that can be represented by a multi-channel telephony baseband: indicate the lowest and highest frequencies of the baseband and the r.m.s. frequency deviation of the test tone as a function of baseband frequency;

b) carrier frequency modulated by a television signal: indicate the standard of the television signal (including, where appropriate, the standard used for colour), the frequency deviation for the reference frequency of the pre-emphasis characteristic and the pre-emphasis characteristic itself. Also indicate, where applicable, the characteristics of the multiplexing of the video signal with the sound signal(s) or other signal(s);

c) carrier phase-shift modulated by a digital signal: indicate the bit rate and the number of phases;

d) amplitude modulated carrier (including single side-band): indicate as precisely as possible the nature of the modulating signal and the kind of amplitude modulation used;

e) for all other types of modulation, provide such particulars as may be useful for an interference study;

f) for any type of modulation as applicable, indicate the characteristics of energy dispersal, such as the peak-to-peak frequency deviation (MHz) and the sweep frequency (kHz) of the energy dispersal waveform.

Information related to associated receiving station(s)

This information is to be provided for each type of receiving station associated with each space station antenna beam.

2.C.10 Type and identity of the associated receiving station(s)

Indicate whether the associated receiving station is another space station, a typical earth station of the network, or a specific earth station.

When the associated receiving station is:

a) another space station; indicate its characteristics by reference to the notification thereof or in any other appropriate manner;

b) a typical earth station of the network; the characteristics provided under the following items of sub-section C shall represent the limiting characteristics for any particular earth station conforming to that type for the purpose of coordination under RR 1060;

c) a specific earth station; the characteristics provided under the following items of sub-section C only apply to that earth station and shall include the identity of the earth station and the geographical coordinates of the antenna site for the purpose of coordination under RR 1060.

Note - The remaining items in sub-section C are to be provided for each associated earth station or typical earth station.

2.C.11 Class of station(s) and nature

Indicate the class of station and nature of service performed, using the symbols shown in Appendix 10.

2.C.12 Earth station receiving antenna characteristics

a) Indicate the isotropic gain (dBi) of the antenna in the direction of maximum radiation (see No. 154).

b) Indicate the beamwidth in degrees between the half power points (describe in detail if not symmetrical).

c) Either attach the measured radiation diagram of the antenna (taking as a reference the direction of maximum radiation) or indicate the reference radiation diagram to be used for coordination.

d)[1] Indicate the type of polarization of the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149). In the case of linear polarization, indicate the plane of polarization. Indicate also if consent is given to the general use of this information in the determination of the need for coordination with other satellite networks according to Appendix 29.

2.C.13 Noise temperature of the associated receiving station(s)

Indicate, in kelvins, the lowest total receiving system noise temperature referred to the output of the receiving antenna of the earth station under "quiet sky conditions". This value shall be indicated for the nominal value of the angle of elevation when the associated transmitting station is aboard a geostationary satellite and, in other cases, for the minimum value of angle of elevation.

D. Overall link characteristics

For simple frequency changing transponders on board a geostationary satellite the following information is to be provided.

2.D.1 Connection between "Earth-to-space" and "space-to-Earth" frequencies in the network

Indicate, in tabular form the connection between up-link and down-link frequency assignments in each transponder for each intended combination of receiving and transmitting beams.

2.D.2 Transmission gains and associated equivalent satellite link noise temperatures

For each entry under [2.D.1] indicate in tabular form:

a) the lowest equivalent satellite link noise temperature and the associated transmission gain under the conditions defined in Item 2, C.13 (see No. 168);

b) the values of transmission gain and associated equivalent satellite link noise temperature that correspond to the highest ratio of transmission gain to equivalent satellite link noise temperature. The transmission gain is evaluated from the output of the receiving antenna of the space station to the output of the receiving antenna of the earth station.

Section III. Notices Relating to Coordination under RR 1107 of Earth Stations and Notification of Specific Earth Stations

A. General characteristics to be provided for an earth station

3.A.1 Identity and location of the earth station

a) Indicate the name by which the station is known or the name of the locality in which it is situated.

b) Indicate the country or geographical area in which the station is located. Symbols from the Preface to the International Frequency List should be used.

c) Indicate the geographical coordinates of each transmitting and receiving antenna site comprising the earth station (longitude and latitude in degrees and minutes). Indicate also the seconds with an accuracy of one-tenth of a minute.

3.A.2 Date of bringing into use

a) In the case of a new assignment, indicate the date (actual or foreseen, as appropriate) of bringing the frequency assignment into use.

b) Whenever the assignment is changed in any of its basic characteristics, (except in the case of a change in [Item 3.A.1 a)] the date to be given shall be that of the latest change (actual or foreseen, as appropriate).

3.A.3 Operating administration or company

Give the name of the operating administration or company and the postal and telegraphic addresses of the administration to which communications should be sent on urgent matters regarding interference, quality of emissions and questions referring to the technical operation of the station (see Article 22).

3.A.4 Class of station(s) and nature of service

Indicate the class of station and nature of service performed, using the symbols shown in Appendix 10.

3.A.5 Space station(s) with which communication is to be established

a) Identify the associated space station(s) by reference to the notification thereof or in any other appropriate manner.

b) In the case of a geostationary satellite, indicate also its orbital position.

3.A.6 Coordination

Give the name of any administration with which the use of this frequency has been successfully coordinated in accordance with Nos. 1060 and 1107 and, if appropriate, the name of any administration with which coordination has been sought but not completed.

3.A.7 Agreements

a) Give, if appropriate, the name of any administration with which agreement has been effected to exceed the limits prescribed in these Regulations.

b) Give, if appropriate, the name of any administration with which agreement has been effected pursuant to Article 14.

B. Characteristics of the transmitting earth station

3.B.1 Name of the satellite receiving beam[7].

Indicate the name of the satellite receiving antenna beam.

3.B.2 Assigned frequency (frequencies)

Indicate the assigned frequency (frequencies), as defined in Article 1 (see No. 142), in kHz up to 28 000 kHz inclusive, in MHz above 28 000 kHz to 10 500 MHz inclusive and in GHz above 10 500 MHz.

3.B.3 Assigned frequency band

Indicate the bandwidth of the assigned frequency band in kHz (see No. 141).

3.B.4 Class of emission, necessary bandwidth and description of the transmission

In accordance with Article 4 and Appendix 6:

a) indicate the class of emission;

b)[1] indicate the carrier frequency or frequencies of the emission(s);

c)[1] indicate, for each carrier, the class of emission, necessary bandwidth and description of transmission;

d)[1] indicate for the carrier having the smallest bandwidth of assignments in the system the class of emission, necessary bandwidth and a description of the transmission.

3.B.5 Power characteristics of the transmission

a)[1] Indicate for each carrier the peak envelope power (dBW) supplied to the input of the antenna.

b) Indicate the total peak envelope power (dBW) and the maximum power density per Hz (dB(W/Hz))[4] supplied to the input of the antenna averaged over the worst 4 kHz band for carriers below 15 GHz, or averaged over the worst 1 MHz band for carriers above 15 GHz.

c)[1] Indicate for each carrier the minimum value of the peak envelope power supplied to the input of the antenna.

3.B.6 Transmitting antenna characteristics

a) Indicate the isotropic gain (dBi) of the antenna in the direction of maximum radiation (see No. 154).

b) Indicate the beamwidth in degrees between the half power points (describe in detail if not symmetrical).

c) Either attach the measured radiation diagram of the antenna (taking as a reference the direction of maximum radiation) or indicate the reference radiation diagram to be used for coordination.

d) Indicate graphically the horizon elevation angle for each azimuth around the earth station.

e) Indicate in degrees from the horizontal plane the planned minimum operating angle of elevation of the antenna in the direction of maximum radiation giving due regard to possible inclined-orbit operation of the associated space station.

f) Indicate in degrees, clockwise from True North, the planned range of operating azimuthal angles for the direction of maximum radiation giving due regard to possible inclined-orbit operation of the associated space station.

g)[1] Indicate the type of polarization of the transmitted wave in the direction of maximum radiation; also indicate the direction in the case of circular polarization and the plane in the case of linear polarization. (See Nos. 148 and 149.)

h) Indicate the altitude (metres) of the antenna above mean sea level.

C. Characteristics of the receiving earth station

3.C.1 Name of the satellite transmitting beam[5]

Indicate the name of the satellite transmitting antenna beam.

3.C.2 Assigned frequency (frequencies)

Indicate the assigned frequency (frequencies), as defined in Article 1 (see No. 142), of the emission to be received, in kHz up to 28 000 kHz inclusive, in MHz above 28 000 kHz to 10 500 MHz inclusive and in GHz above 10 500 MHz.

3.C.3 Assigned frequency band

Indicate the bandwidth of the assigned frequency band in kHz (see No. 141).

3.C.4 Class of emission, necessary bandwidth and description of the transmission to be received

In accordance with Article 4 and Appendix 6:

a) indicate the class of emission of the transmission to be received;

b)[1] indicate the carrier frequency or frequencies of the transmission to be received;

c)[1] indicate, for each carrier to be received, the class of emission, necessary bandwidth and description of the transmission;

d)[1] indicate for the carrier having the smallest bandwidth of assignments in the system the class of emission, necessary bandwidth and a description of the transmission.

3.C.5 Receiving antenna characteristics

a) Indicate the isotropic gain (dBi) of the antenna in the direction of maximum radiation (see No. 154).

b) Indicate the beamwidth in degrees between the half power points (describe in detail if not symmetrical).

c) Either attach the measured radiation diagram of the antenna (taking as a reference the direction of maximum radiation) or indicate the reference radiation diagram to be used for coordination.

d)[1] Indicate the type of polarization of the antenna. In the case of circular polarization, indicate the direction of polarization (see Nos. 148 and 149). In the case of linear polarization, indicate the plane of polarization. Indicate also if consent is given to the general use of this information in the determination of the need for coordination with other satellite networks according to Appendix 29.

3.C.6 Noise temperature, link noise temperature and transmission gain

a) Indicate, in kelvins, the lowest total receiving system noise temperature referred to the ouput of the receiving antenna of the earth station under "quiet sky conditions". This value shall be indicated for the nominal value of the angle of elevation when the associated transmitting station is aboard a geostationary satellite and, in other cases, for the minimum value of angle of elevation.

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b) For each associated condition of operation

1) When simple frequency-changing transponders are used on the associated space station, indicate the lowest equivalent satellite link noise temperatures under the conditions of Item a) for each assignment (see No. 168).

5

2) Indicate the value of transmission gain associated with each equivalent satellite link noise temperature given in Item b). The transmission gain is evaluated from the output of the receiving antenna of the space station to the output of the receiving antenna of the earth station.

Section IV. Notices Relating to Frequencies to be Received by Radio Astronomy Stations

A. General characteristics to be provided for the radio astronomy stations

4.A.1 Date of bringing into use

a) Indicate the date (actual or foreseen, as appropriate) when reception of the frequency band begins.

b) Whenever there is a change in any of the basic characteristics, as shown in this Section (except in the case of a change in Item 4.A.2 b)) the date to be given shall be that of the latest change (actual or foreseen, as appropriate).

4.A.2 Name and location of the station

a) Insert the letters "RA".

b) Indicate the name by which the station is known or the name of the locality in which it is situated or both.

c) Indicate the country or geographical area in which the station is located. Symbols from the Preface to the International Frequency List should be used.

d) Indicate the geographical coordinates of the station site (longitude and latitude in degrees and minutes).

4.A.3 Regular hours of reception

Indicate in UTC the regular hours of reception on the observed frequency.

4.A.4 Operating administration or company

Indicate the identity of the operating administration or company and the postal and telegraphic addresses of the administration to which communications should be sent on urgent matters regarding interference and questions referring to the technical operation of stations (see Article 22).

B. Technical characteristics of the frequencies to be received

4.B.1 Observed frequency

Indicate the centre of the frequency band observed, in kHz up to 28 000 kHz inclusive, in MHz above 28 000 kHz to 10 500 MHz inclusive and in GHz above 10 500 MHz.

4.B.2 Bandwidth

Indicate the width of the frequency band (in kHz) observed by the station.

4.B.3 Antenna characteristics

Indicate the antenna type and dimensions, effective area and angular coverage in azimuth and elevation.

4.B.4 Noise temperature

Indicate, in kelvins, the overall receiving system noise temperature referred to the output of the receiving antenna.

4.B.5 Class of observations

Indicate the class of observations to be taken on the frequency band shown in [Item 4.B.2]. Class A observations are those in which the sensitivity of the equipment is not a primary factor. Class B observations are those of such a nature that they can be made only with advanced low-noise receivers using the best techniques.

Section V. Forms of Notice

5.1 The Board shall develop and keep up-to-date forms of notice to meet fully the statutory provisions of this Appendix and related decisions of future conferences.

The following footnotes are applicable within Appendix 3

[1] This information need only be furnished when such information has been used as a basis to effect coordination with another administration.

[2] Not required for network coordination.

[3] See also Resolution 4.

[4] The most recent version of CCIR Report 792 should be used to the extent applicable in calculating the maximum power density per Hz.

[5] Not required for RR 1107 coordination.

[6] This item is also to be provided for each associated receiving earth station or typical earth station.

[7] This information need only be furnished if the coordination area of the earth station overlaps the territory of another administration.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 332-E
23 September 1988
Original: English

Source: Document 267(Rev.1)

COMMITTEE 6

SIXTH REPORT OF THE CHAIRMAN OF WORKING GROUP 6-C TO THE CHAIRMAN OF COMMITTEE 6

At its seventh meeting Working Group 6-C adopted Recommendation COM6/B the text of which is contained in the annex.

L.M. PALMER
Chairman of the Working Group 6-C

Annex: 1

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX

RECOMMENDATION [COM6/B]

Relating to International Monitoring of Emissions Originating from Space Stations

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, (Second Session - Geneva, 1988),

considering

a) that the geostationary-satellite orbit and the radio-frequency spectrum are limited natural resources and are being increasingly utilized by space services;

b) that it is desirable to ensure efficient and economical use of the radio frequency spectrum and geostationary-satellite orbit and also it is desirable to eliminate harmful interference;

c) the provisions of the Radio Regulations, under which the IFRB shall review the entries in the Master International Frequency Register with a view to bringing them into conformity, to the maximum extent practicable, with the actual use being made of the radio spectrum and that monitoring information should assist the IFRB in discharging that function;

d) Recommendation 2 relating to the examination by World Administrative Radio Conferences of the situation with regard to occupation of the frequency spectrum in space radiocommunications;

e) that facilities for monitoring of emissions originating from space stations may be expensive;

noting

that the CCIR studies the question of monitoring of radio emissions from spacecraft at fixed monitoring stations and CCIR Report 276-5 contains current results of these studies;

invites the CCIR

to continue the studies in collaboration with the IFRB and to provide technical guidelines concerning the space monitoring facilities;

and invites administrations

1. to participate in the CCIR studies concerning the possible development of guidelines for space monitoring facilities;

2. to consider the various aspects of monitoring of emissions originating from space stations to enable the application of provisions of Article 20 of the Radio Regulations.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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WORKING GROUP 5-A
WORKING GROUP 5-B

REPORT OF WORKING GROUP 5-A AD HOC 2

APPENDIX 30A

ARTICLE 5

As instructed by the Chairman of Working Group 5-A (Mr. Barton) I submit the following text to Working Group 5-B. The purpose of the proposed modification to Article 5 is to take account of the need to coordinate when an administration wishes to use power control at a specific location in excess of that contained in column 8 of the Regions 1 and 3 feeder-link Plan.

R.A. BEDFORD
Chairman of Working Group 5-A ad hoc 2

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5.1.1bis Before an administration in Regions 1 and 3 notifies to the Board or brings into use any frequency assignment to a transmitting feeder-link earth station in the bands 14.5 - 14.8 GHz and 17.7 - 18.1 GHz with an e.i.r.p. greater than that shown in column 8 of the Plan it shall effect coordination of this assignment with each administration whose territory lies wholly or partly within the coordination area of the planned earth station using the method detailed in Appendix 28.

ADD 5.2.1 e) For Regions 1 and 3, with respect to its conformity with the provisions of [5.1.1bis] relating to coordination.

MOD 5.2.2 Where the Board reaches a favourable finding with respect to 5.2.1 a) ~~and~~ 5.2.1 b) and 5.2.1 e) the frequency assignment of an administration shall be recorded in the Master Register. The date of receipt of the notice by the Board shall be entered in Column 2d. In relations between administrations all frequency assignments brought into use in conformity with the Plan and recorded in the Master Register shall be considered to have the same status irrespective of the dates entered in Column 2d for such frequency assignments.

MOD 5.2.2.1 Where the Board reaches a favourable finding with respect to 5.2.1 a) ~~and~~ 5.2.1 c) and 5.2.1 e) the frequency assignment shall be recorded in the Master Register. The date of receipt of the notice by the Board shall be entered in Column 2d. In relations between administrations, all frequency assignments brought into use in conformity with the Plan and recorded in the Master Register shall be considered to have the same status irrespective of the dates entered in Column 2d for such frequency assignments. When recording these assignments, the Board shall indicate by an appropriate symbol the characteristics having a value different from that appearing in the Plan.

Prior to 5.2.3

ADD [A] Concerning Regions 1 and 3, where the Board reaches a favourable finding with respect to 5.2.1 a), 5.2.1 b) and 5.2.1 c) but an unfavourable finding with respect to 5.2.1 e), the notice shall be returned immediately by airmail to the notifying administration and the administration shall undertake to only bring this assignment into use with the e.i.r.p. level shown in column 8 of the Regions 1 and 3 Plan.

ADD [B] Where an assignment is recorded as a result of a favourable finding with respect to 5.2.1 e), a remark shall be included, indicating that coordination has been affected.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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COMMITTEE 5

THIRD REPORT OF WORKING GROUP 5-B TO COMMITTEE 5

The following attachments have been adopted by Working Group 5-B and are transmitted for your consideratiton.

Attachment 1: Resolution on interim systems (Source: Document DT/70)

Attachment 2: Action to be taken on existing Resolutions and Recommendations contained in the Radio Regulations (Source: Documents DT/48, 67 + Add.1)

Attachment 3: Modified version of Resolution 506 (Source: Document DT/78)

Attachment 4: Resolution on broadcasting-satellite service (sound) (Source: Document DT/75)

Attachment 5: Resolution on country/geographical area symbols (Source: Document 322)

C. DOSCH
Chairman of Working Group 5-B

Attachments: 5

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ATTACHMENT 1

Draft

RESOLUTION [42(MOD)]

Relating to the Use of Interim Systems in Region 2 in the Broadcasting-Satellite and Fixed-Satellite (Feeder Link) Services in Region 2 for the Bands Covered by Appendix 30 and Appendix 30A

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of the Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the Regional Administrative Radio Conference for the Planning of the Broadcasting-Satellite Service in Region 2, Geneva, 1983, prepared a Plan for the broadcasting-satellite service in the band 12.2 - 12.7 GHz and a Plan for the associated feeder links in the band 17.3 - 17.8 GHz with the provision of implementing Interim Systems in accordance with Resolution 2 (SAT-R2);

b) that in the implementation of their assignments in the Plans, administrations of Region 2 may find it more appropriate to adopt a phased approach and initially use characteristics different from those appearing in the appropriate Region 2 Plan;

c) that some administrations of Region 2 may cooperate in the joint development of a space system with a view to covering two or more service areas from the same orbital position or to use a beam which would encompass two or more service areas;

d) that some administrations of Region 2 may cooperate in the joint development of a space system with a view to using two or more feeder-link service areas from the same orbital position or to use a beam which encompasses two or more feeder-link service areas;

e) that interim systems shall not adversely affect the Plans nor hamper the implementation and evolution of the Plans;

f) that the number of assignments to be used in an interim system shall not in any case exceed the number of assignments appearing in the Region 2 Plan which are to be suspended;

g) that the interim systems shall not in any case use orbital positions that are not in the Region 2 Plan;

h) that an interim system shall not be introduced without the agreement of all administrations whose space and terrestrial services are considered to be affected;

resolves

that administrations and the IFRB shall apply the procedure contained in the Annex to this Resolution, so long as Appendices 30 and 30A remain in force.

ANNEX TO RESOLUTION [42(MOD)]

1. An administration or a group of administrations in Region 2 may, after successful application of the procedure contained in this Annex and with the agreement of the affected administrations, use an interim system during a specified period not exceeding ten years in order;

1.1 for an interim system in the broadcasting-satellite service

a) to use an increased e.i.r.p. in any direction relative to that appearing in the Region 2 Plan provided that the power flux-density does not exceed the limits given in Annex 5 of Appendix 30;

b) to use modulation characteristics[1] different from those appearing in the Annexes to the Region 2 Plan and resulting in an increased probability of harmful interference or in a wider assigned bandwidth;

c) to change the coverage area by displacing boresight, or by increasing the major or minor axis or by rotating them, from an orbital position which shall be one of the corresponding orbital positions appearing in the Region 2 Plan;

d) to use a coverage area appearing in the Region 2 Plan or a coverage area encompassing two or more coverage areas appearing in the Region 2 Plan from an orbital position which shall be one of the corresponding positions appearing in the Region 2 Plan;

e) to use a polarization different from that in the Region 2 Plan,

[1] For example, modulation with sound channels frequency-multiplexed within the bandwidth of a television channel, digital modulation of sound and television signals, or other pre-emphasis characteristics.

1.2 for an interim feeder-link system

a) to use an increased e.i.r.p. in any direction relative to that appearing in the Region 2 feeder-link Plan;

b) to use modulation characteristics[1] different from those appearing in the Annexes to the Plan and resulting in an increased probability of harmful interference or in a wider assigned bandwidth;

c) to change the feeder-link beam area by displacing the boresight, or by increasing the major or minor axis or by rotating them, in relation to an orbital position which shall be one of the corresponding orbital positions appearing in the Region 2 feeder-link Plan

d) to use a feeder-link beam area appearing in the Region 2 feeder-link Plan or a feeder-link beam area encompassing two or more feeder-link beam areas appearing in the Region 2 feeder-link Plan in relation to an orbital position which shall be one of the corresponding orbital positions appearing in the Region 2 feeder-link Plan;

e) to use a polarization different from that in the Region 2 feeder-link Plan.

2. In all cases, an interim system shall correspond to assignments in the appropriate Region 2 Plan; the number of assignments to be used in an interim system shall not in any case exceed the number of assignments appearing in the Region 2 Plan which are to be suspended. During the use of an interim system, the use of the corresponding assignments in the Region 2 Plan is suspended; they shall not be brought into use before the cessation of the use of the interim system. However, the suspended assignments, but not the interim system's assignments, of an administration shall be taken into account when other administrations apply the procedure of Article 4 of Appendix 30 and of Appendix 30A, as appropriate, in order to modify the Plans, or the procedure of this Annex in order to bring an interim system into use. The assignments of interim systems shall not be taken into account in applying the procedure of Article 6 or Article 7 of Appendix 30 and the procedure of Article 6 or Article 7 of Appendix 30A.

2.bis As a specific consequence of paragraph 2 above, Region 2 interim systems' assignments shall not obtain protection from, or cause harmful interference to, new or modified assignments appearing in the Regions 1 and 3 Plans following the successful application of the procedures of Article 4 of Appendix 30 or Appendix 30A as appropriate, even if such a modification is concluded and becomes operational within the time-limit specified in paragraph 3(a).

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[1] For example, modulation with sound channels frequency-multiplexed within the bandwidth of a television channel, digital modulation of sound and television signals, or other pre-emphasis characteristics.

3. When an administration proposes to use an assignment in accordance with paragraph 1, it shall communicate to the IFRB the information listed in Annex 2 of Appendix 30 or Appendix 30A as appropriate not earlier than five years but, preferably, not later than twelve months before the date of bringing into use. The administration shall also indicate:

a) the maximum specified period during which the interim assignment is intended to remain in use;

b) the assignments in the Region 2 Plans the use of which will remain suspended for the duration of the use of the corresponding interim assignment;

c) the names of the administrations with which an agreement for the use of the interim assignment has been reached, together with any comment relating to the period of use so agreed and the names of administrations with which an agreement may be required but has not yet been reached.

4. Administrations are considered to be affected as follows:

4.1 <u>for an interim system in the broadcasting-satellite service</u>

a) an administration of Region 2 is considered to be affected if any overall equivalent protection margin of one of its assignments in the Region 2 Plan, calculated in accordance with Annex 5 to Appendix 30 including the cumulative effect of all interim use during the maximum specified period of use of the interim system, but excluding the corresponding suspended assignments (paragraph 3 b)), becomes negative or a former negative value is made more negative;

b) an administration of Region 1 or 3 is considered to be affected if it has an assignment which is in conformity with the Regions 1 and 3 Plan contained in Appendix 30 to the Radio Regulations or in respect of which proposed modifications have already been published by the Board in accordance with the provisions of Article 4 of that Appendix with a necessary bandwidth which falls within the necessary bandwidth of the proposed interim assignment and the appropriate limits of Section 3 of Annex 1 of Appendix 30 are exceeded;

c) an administration of Region 1 or 3 is considered to be affected if it has a frequency assignment in the fixed-satellite service which is recorded in the Master Register or which has been coordinated or is being coordinated under the provisions of No. 1060 of the Radio Regulations or under Article 7 of Appendix 30 or which has been published in accordance with No. 1044 of the Radio Regulations or of paragraph 7.1.3 of Appendix 30 and the appropriate limits of Section 6 of Annex 1 of Appendix 30 are exceeded;

d) an administration of Region 1 or 3 is considered to be affected if, although having no frequency assignment in the appropriate Region 1 or 3 Plan in the channel concerned, it nevertheless would receive on its territory a power flux-density value which exceeds the limits given in Section 5) of Annex 1 of Appendix 30 as a result of the proposed interim assignment, or if it has such an assignment for which its associated service area does not cover the whole of the territory of the administration, and in its territory outside that service area the power flux-density from the interim system space station exceeds the above-mentioned limits;

e) an administration of Region 2 is considered to be affected if, although having no frequency assignment in the appropriate Region 2 Plan in the channel concerned, it nevertheless would receive on its territory a power flux-density value which exceeds the limits given in Section 8b) of Annex 1 of Appendix 30 as a result of the proposed interim assignment, or if it has such an assignment for which its associated service area does not cover the whole of the territory of the administration, and in its territory outside that service area the power flux-density from the interim system space station exceeds the above-mentioned limits;

f) an administration of Region 3 is considered to be affected if it has a frequency assignment to a space station in the broadcasting-satellite service in the band 12.5 - 12.7 GHz with a necessary bandwidth any portion of which falls within the necessary bandwidth of the proposed assignment, and which:

- is recorded in the Master Register; or

- has been coordinated or is being coordinated under the provisions of Resolution 33 of the World Administrative Radio Conference, Geneva, 1979; or

- appears in a Region 3 Plan to be adopted at a future administrative radio conference, taking account of modifications which may be introduced subsequently in accordance with the Final Acts of that Conference,

and the limits of Section 6, paragraph 3 expressed in a 4 kHz band, Annex 1 to Appendix 30 are exceeded.

4.2 <u>for interim feeder-link systems</u>

a) an administration of Region 2 is considered to be affected if any overall equivalent protection margin of one of its assignments in the Plan, calculated in accordance with Annex 3 to Appendix 30A including the cumulative effect of all interim uses during the maximum specified period of use of the interim system, but excluding the corresponding suspended assignment(s) (paragraph 3b)), becomes negative or a former negative value is made more negative;

b) an administration in Regions 1 or 3 is considered to be affected if any equivalent protection margin of one of its assignments in the Plan, calculated in accordance with Annex 3 to Appendix 30A including the cumulative effect of all interim uses during the maximum specified period of use of the interim system, but excluding the corresponding suspended assignment(s) (paragraph 3b)), becomes negative or a former negative value is made more negative;

c) an administration in Regions 1, 2 or 3 is considered to be affected if it has a frequency assignment in the fixed-satellite service (space-to-Earth) which is recorded in the Master Register or which has been coordinated or is being coordinated under the provisions of No. 1060 of the Radio Regulations and the appropriate limits of Section 1 of Annex 1 to Appendix 30A are exceeded;

d) an administration in Regions 1, 2 or 3 is considered to be affected if it has a frequency assignment in the band 17.7 - 17.8 GHz to a terrestrial station, in use or intended to be brought into use within three years of the projected date of bringing into use of the feeder-link earth station, which is located within the coordination area of the feeder-link earth station concerned and the limits of Section 2 of Annex 1 to Appendix 30A are exceeded;

5. The Board shall publish in a special section of its weekly circular the information received under paragraph 3, together with the names of the administrations the Board has identified in application of paragraph 4.

6. When the Board finds that the suspended assignment of an administration having an interim system is not affected, it shall examine the projected interim system with respect to the interim system of that administration and if there is an incompatibility, it shall request the two administrations concerned to adopt any measures that may enable the new interim system to be operated.

7. The Board shall send a telegram to the administrations listed in the special section of the weekly circular drawing their attention to the information it contains and shall send them the results of its calculations.

8. Any administration not listed in the special section which considers that its planned interim assignment may be affected shall so inform the administration responsible for the interim system and the Board, and the two administrations shall endeavour to resolve the difficulty before the proposed date of bringing the interim assignment into use.

9. An administration which has not sent its comments either to the administration seeking agreement or to the Board within a period of four months following the date of the weekly circular referred to in paragraph 5 shall be understood as having agreed to the proposed interim use.

10. On the expiry of four months following the date of publication of the weekly circular referred to in paragraph 5, the Board shall review the matter, and, depending on the results obtained, shall inform the administration proposing the interim assignment that:

a) it may notify its proposed use under Article 5 of Appendix 30 or Article 5 of Appendix 30A, as appropriate, if no agreement is required or the required agreement has been obtained from the administrations concerned. In this case the Board shall update the Interim List;

b) it may not bring into use its interim system before having obtained the agreement of the administrations affected, either directly or by applying the procedure described in Article 4 of Appendix 30 or Article 4 of Appendix 30A, as appropriate, as a means of obtaining that agreement.

11. The Board shall include all the interim assignments in an Interim List in two parts, one each for the broadcasting-satellite service and the feeder-link assignments, and shall update it in accordance with this Annex. The Interim List shall be published together with the Region 2 Plans but does not constitute part of them.

12. One year prior to the expiry of the interim period, the Board shall draw the attention of the administration concerned to this fact and request it to notify in due time the deletion of the assignment from the Master Register and the Interim List.

13. If, notwithstanding the reminders by the Board, an administration does not reply to its request sent in application of paragraph 12, the Board shall, at the termination of the interim period:

a) enter a symbol in the Remarks Column of the Master Register to indicate the lack of response and that the entry is for information only;

b) not take into account that assignment in the Interim List;

c) inform the administrations concerned and affected of its action.

14. Where an administration confirms the termination of the use of the interim assignment, the Board shall delete the assignment concerned from the Interim List and the Master Register. Any corresponding assignment in the Plan(s), suspended earlier, may then brought into use.

15. An administration which considers that its interim system may continue to be used after the expiry of the interim period may extend it by not more than four years and to this effect shall apply the procedure described in this Annex.

16. Where an administration applies the procedure in accordance with paragraph 15, but was unable to obtain the agreement of one or more affected administrations, the Board shall indicate this situation by inserting an appropriate symbol in the Master Register. Upon receipt of a complaint of harmful interference, the administration shall immediately cease operation of the interim assignment.

17. Where an administration, having been informed of a complaint of harmful interference, does not cease transmission within a period of thirty days after the receipt of complaint, the Board shall apply the provisions of paragraph 13.

ATTACHMENT 2

Action to be taken with respect to Resolutions and Recommendations contained in the Radio Regulations.

References: Documents DT/48, DT/67 + Add.1

1. To be cancelled

Resolutions 31, 40, 41, 43, 100, [101]*, 102, 502, 503, 504, 700, 701.

2. To be retained

2.1 Resolutions 32, 33, 34, 507, 703.

2.2 Recommendations 67, 101, 505, 506, 507, 508, 705, 712.

3. To be modified

Resolution 506.

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* Concerning Resolution 101, it was concluded that, subject to final confirmation, this Resolution could be deleted as footnote RR 858 would provide the basis for the operation of feeder links in the 14.0 - 14.5 GHz band (outside Europe).

ATTACHMENT 3

RESOLUTION 506

Relating to Use, by Space Stations Operating in the 12 GHz Frequency Bands Allocated to the Broadcasting-Satellite Service of the Geostationary-Satellite Orbit and No Other[1]

The World Administrative Radio Conference, Geneva, 1979,

considering

a) that a Plan designating frequency assignments in the above-mentioned frequency bands and positions in the geostationary-satellite orbit has been adopted by the World Broadcasting-Satellite Administrative Radio Conference, Geneva, 1977 for Regions 1 and 3;

MOD b) that a similar Plan for Region 2 has been adopted by the Regional Administrative Conference for the Planning of the broadcasting-satellite service in Region 2 (SAT-83), Geneva, 1983;

ADD b)bis that the Plans referred to in considerings a) and b) above were consolidated in Appendix 30 to the Radio Regulations at the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, Geneva, 1985 (Orb-85);

c) that the operation of space radiocommunication services in the frequency bands concerned in orbits other than the geostationary-satellite orbit would be incompatible with the plans referred to in a) and b) above;

resolves

that administrations shall ensure that their space stations in these frequency bands are operated in the geostationary-satellite orbit and no other.

---

[1] Replaces Resolution Sat-7 of the World Broadcasting-Satellite Administrative Radio Conference, Geneva, 1977.

ATTACHMENT 4

Draft

RESOLUTION [COM5/1]

Relating to a Future Change in Article 8 for the Broadcasting-Satellite Service (Sound) In the Frequency Range 500 MHz to 3 000 MHz

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the subject of the broadcasting-satellite service (sound) has been under consideration within the Union for a quarter of a century and that Resolution 505 of the WARC, Geneva 1979 resolved;

that the next world administrative radio conference dealing with space radiocommunication services in general or with a specific space radiocommunication service shall be authorized to consider the results of various studies and to take appropriate decisions regarding the allocation of a suitable frequency band;

and that Recommendation 2 of the First Session of this Conference recommended that the Second Session of this Conference should consider the results of the various up-to-date studies and in reviewing the situation prevailing at that time take appropriate decisions concerning the various aspects of this system as outlined in Resolution 505;

b) that, at the CPM (1984), the CCIR indicated that further work would be needed to define the system parameters;

that the CCIR has provided this Conference with a report on its studies into the broadcasting-satellite service (sound);

and that the broadcasting-satellite service (sound) is technically feasible;

c) that there is a need by a number of administrations for broadcasting-satellite services (sound) for individual reception with low cost, portable and mobile receivers with simple antennas, in rural and urban areas;

that a number of administrations consider existing services have high importance and should be protected;

that the frequency bands presently allocated to the broadcasting-satellite service do not provide the possibility of individual reception of sound programmes by portable receivers and receivers installed in automobiles;

that several administrations made proposals to the WARC-79 concerning frequency band allocations for broadcasting-satellite service (sound) in the range 500 MHz to 2 000 MHz;

d) that, based on technical characteristics of the systems and on propagation factors, as studied by the CCIR up to now, the band 500 to 2 000 MHz would be preferable for the implementation of the service, the lower end at approximately 500 MHz because of increasing man-made noise and transmit antenna size with decreasing frequency, and the upper end at approximately 2 000 MHz because of the decreasing effective area of the receiving antenna and reduced diffraction round obstacles with increasing frequency;

e) that studies to date have shown that accommodation of the broadcasting-satellite service (sound) in the frequency range 500 to 2 000 MHz or nearby will cause considerable sharing difficulties with other services and that extensive use of this frequency range is now being made by many services making difficult the allocation of a band to the broadcasting-satellite service (sound);

f) that recent studies and developments included in the Report of the CCIR to this Session of the Conference have shown that the use of FM modulation techniques in low latitudes, the application of advanced digital modulation techniques in higher latitudes and the possibilities of sharing on the basis of geographical separation may, under the conditions specified in the CCIR Report, facilitate band-sharing with other radio services; and by considering the extended band from 500 MHz to 3 000 MHz the possibility of identifying a new frequency band for the broadcasting-satellite service (sound) is enhanced, and that in general it is not easy for a broadcasting-satellite service (sound) to share a frequency band with other services, and for this reason the CCIR reports that an exclusive band allocation would be preferred;

g) that due consideration should also be given to the provision of the necessary associated feeder links to the broadcasting-satellite service (sound);

h) that more time is required to design and plan a sound-broadcasting system which might be introduced in the early part of the next century and, where necessary to plan and effect the re-accommodation of existing services for those countries interested in these services;

considering also, as regards the work of the CCIR

a) that the frequency range now being considered is 500 to 3 000 MHz;

b) that experiments have confirmed certain postulations made in theoretical studies and further, that an experimental system using advanced digital modulation techniques has been identified;

c) that advanced digital modulation systems have amongst others the advantage of low transmitting powers and, consequently, a possibility of sharing with other services although further studies are required;

d) that further system studies are necessary before the implementation of operational systems;

e) that the CCIR has conducted studies concerning this service in accordance with Study Programme 2K-1/10 and 11;

f) that the appropriate frequency range for the service is limited by man-made noise, the size of both the transmit and receive antennas, by propagation factors, satellite transmit power, and by sharing (including sharing on a geographic basis);

g) that the bandwidth requirements of the broadcasting-satellite service (sound) will depend on the extent of the possibilities of frequency reuse;

noting

that the World Administrative Radio Conference for High Frequency Broadcasting, Second Session, Geneva, 1987, has in Recommendation [COM5/A] already raised the question of a future world administrative radio conference to review and as necessary revise the Table of Frequency Allocations in the high frequency portion of the spectrum; and that the World Administrative Radio Conference for the Mobile Services, Geneva, 1987 in Recommendation [COM4/14] has also raised the question of a world administrative radio conference to be held not later than 1992 to consider a partial revision of the frequency allocation table in the range 1 000 to 3 000 MHz;

further noting

that the reception conditions (portable and vehicular reception) and propagation factors (echoes, selective fading, etc.) for the broadcasting-satellite service (sound) are similar to those for this mobile-satellite service and hence a frequency band in a similar frequency range can be considered;

resolves

a) that a band (or bands) of frequencies in the range 500 MHz to 3 000 MHz be sought with a view to a possible allocation to the broadcasting-satellite service (sound);

b) that appropriate provisions be made for the associated feeder links;

c) that appropriate provisions be made to regulate the sharing wherever applicable of any bands identified in resolves a) and b) with other radio services;

d) that appropriate provisions be developed to protect existing services and, if necessary, to re-accommodate in other bands assignments to the stations of existing services that may be affected in those countries in which the broadcasting-satellite service (sound) will be allocated;

resolves to recommend

that the Plenipotentiary Conference in 1989 should include in the programme of conferences the subject of the Revision of the Table of Frequency Allocations in Article 8, as referred to in "noting", taking into account the "further noting" and the Conference proposed in Recommendation [COM4/14] by the WARC-MOB, Geneva, 1987 provisions, in order to provide if possible for the necessary allocation to the broadcasting-satellite service (sound) within the frequency range 500 - 3 000 MHz and the appropriate provisions to accommodate the associated feeder links;

invites the CCIR

to continue further its technical studies on the broadcasting-satellite service (sound) in the frequency range 500 - 3 000 MHz, especially on the following issues:

a) the impact of choice of frequency on system parameters, especially satellite power requirements, the characteristics of transmit and receive antennas and on propagation characteristics;

b) the bandwidth required by the service;

c) the technical aspects of sharing between services with special consideration to geographic sharing,

and to provide a report to the Conference referred to in resolves to recommend above;

invites the Secretary-General

to bring this Resolution to the attention of the Plenipotentiary Conference, 1989, and to the subsequent meeting of the Administrative Council.

ATTACHMENT 5

Draft

RESOLUTION [COM5/4]

**Country/Geographical Area Symbols
Used in Appendix 30(Orb-85) and Appendix 30A**

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

noting

that several country/geographical area symbols used in Appendix 30(Orb-85) have changed or are no longer appropriate and are therefore not listed in the preface to the International Frequency List (IFL);

noting further

the provisions of No. 2237 of the Radio Regulations;

recognizing

that country symbols in the preface to the IFL may be changed at irregular intervals, as the need arises and based on prior consultation between the Secretary-General and the IFRB and the countries concerned;

considering

that discrepancies between the country/geographical area symbols listed in the preface to the IFL and those appearing in Appendix 30(Orb-85) and Appendix 30A should not exist;

resolves to instruct the Secretary-General

to ensure that, when updating the Radio Regulations, the country/geographical area symbols used in Appendix 30(Orb-85) and Appendix 30A reflect the latest status.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

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COMMITTEE 5

FIFTH REPORT OF THE CHAIRMAN OF WORKING GROUP 5-A TO COMMITTEE 5

The attached text on power control adopted by the sixth meeting of Working Group 5-A is submitted for consideration.

Two ad hoc Groups were created:

Working Group 5-A ad hoc 1 is to continue the work of Sub-Working Group 5-A-1 ad hoc 1 and with the same terms of reference.

Mr. Tomati (Italy) is the Chairman and Mr. Keibler the Deputy Chairman.

Working Group 5-A ad hoc 2 under the chairmanship of Mr. Bedford (United Kingdom) is to develop:

- suitable texts for procedures for power control for transmission directly to Working Group 5-B;
- a suitable footnote for orbit location -31°.

R.M. BARTON
Chairman of Working Group 5-A

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ATTACHMENT

TEXT FOR APPENDIX 30A (ANNEX 3)

3.10 Power control

In Regions 1 and 3 a permitted increase which may be used to overcome rain fading for each assignment is included in the Plan.

In the calculation, in cases where satellites do not use common or adjacent channels cross-polarizing each other, the maximum permissible e.i.r.p. increase, which must not exceed 10 dB, corresponds to the amount of rain attenuation which occurs on the interfering feeder link.

On the other hand, in those cases where satellites use common or adjacent channels cross-polarized, the maximum permissible e.i.r.p. increase is expressed as a function of the rain attenuation, but is in general less than the amount of rain attenuation due to rain-induced depolarization.

3.10.1 Method for determination of the increase in e.i.r.p. during rain attenuation for an assignment over the Plan value

Condition to be observed

The increase in e.i.r.p. of the assignment studied must not entail an impairment of more than 0.5 dB of the feeder link equivalent protection margin of any other assignment to any other administration.

Calculation method

3.10.1.1 Compile a list of all assignments of other administrations (A, B, C,...) in the same orbital position and the two adjacent positions liable to suffer interference from the assignment studied.

3.10.1.2 Calculate the feeder link equivalent protection margin of assignment A in free space conditions, taking account of all interference sources affecting A at the worst test points, namely:

- for assignment A: the point corresponding to the minimum C/N ratio;
- for each interference source affecting A: the point corresponding to the maximum interference power affecting A.

3.10.1.3 Introduce for the assignment studied the rain attenuation for 0.1% of the worst month and the corresponding rain depolarization value.

3.10.1.4 Recalculate the feeder link equivalent protection margin of assignment A at the worst test points, namely:

- for assignment A: the test point used in 3.10.1.2 above;
- for the assignment studied: the test point corresponding to the maximum interference power affecting A.

At this stage, the e.i.r.p. of the assignment studied is that contained in the Plan.

3.10.1.5 Increase the e.i.r.p. of the assignment studied by 0.1 dB and recalculate the equivalent up-link margin of A as in 3.10.1.4 above.

3.10.1.6 Repeat the operation of 3.10.1.5 above until the equivalent up-link margin of assignment A is impaired by more than 0.5 dB in relation to the value found under 3.10.1.2 above or until the e.i.r.p. increase exceeds 10 dB. Adopt the e.i.r.p. increase in the preceding iteration step.

3.10.1.7 Repeat the operations in points 3.10.1.2 to 3.10.1.6 above, considering the assignments B, C,...

3.10.1.8 Adopt the smallest of the increases in e.i.r.p. found under 3.10.1.6 above for the various assignments A, B, C, ...

This value is the permitted increase in e.i.r.p. included in the Plan.

3.10.2 Propagation model

3.10.2.1 For the calculation of rain attenuation for 0.1% of the worst month, the model described in section 2.2 of this annex should be used. It shall be assumed that the 0.1% value is 3.3 times the 1% value in dB.

3.10.2.2 Rain depolarization shall be calculated, on the basis of attenuation, using the method described in section 2.4 of this annex.

3.10.3 Variation of power with rain attenuation

The increase in power at any time, as the rain attenuation must track the rain attenuation varies and must never exceed the limit shown by the curve in Figure [XX].

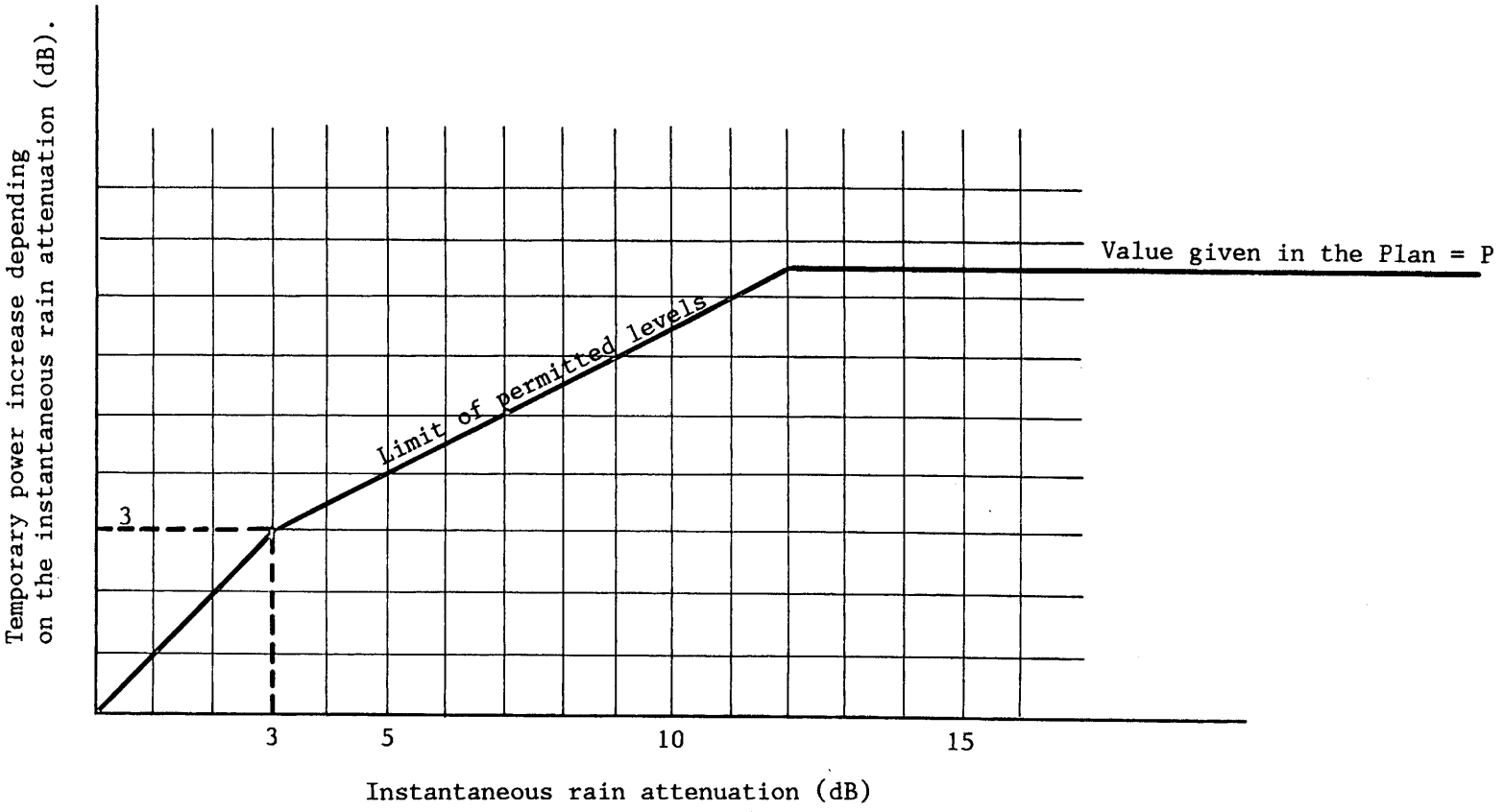

FIGURE [XX]

Characteristic for up-link power control

Note to Figure [XX].

P: The value of permitted increase given in the Plan, or calculated by the IFRB, which varies for each assignment. The upper limit of this value is 10 dB.

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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NOTE BY THE CHAIRMAN OF THE CONFERENCE

Further to the discussion at the last Plenary Meeting (5th), taking into account the deep concern expressed by delegates as well as by officials of the Conference with respect to the progress of work and following the instructions given by the Steering Committee, where serious concern over the progress of work has been reiterated, I consider it my duty to address an appeal to all Chairmen of Committees, and Working Groups and in particular to the participants and officials of Committee 4 and Committee 6, to make all possible efforts to work precisely in accordance with their schedule and to complete their work efficiently in accordance with their terms of reference.

While I appreciate the complexity of the subject the Conference is dealing with, I would also like to appeal to all participating administrations and all individual delegates to act efficiently at all working levels, including informal discussions, in a spirit of cooperation in order to reach the objectives of this Conference on schedule for the benefit of us all.

I also wish to remind all Chairmen to respect the relevant provisions of the ITU Nairobi Convention and to conduct meetings in such a way as to ensure that all tasks are completed on time.

As Chairman of the Conference, while I fully share your feelings that we are facing the crucial moments of the Conference, I remain convinced that we are able and ready to sign the Final Acts of the Conference as foreseen.

I trust therefore that all together we can once again display the maturity of our membership as we have done so often in the past.

Thank you.

PROF. DR. I. STOJANOVIĆ
Chairman of the Conference

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INTERNATIONAL TELECOMMUNICATION UNION

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WORKING GROUP 6-B

REPORT OF THE CHAIRMAN OF WORKING GROUP 6-B AD HOC 3

The Group met twice on 21 September and considered the proposals before it for the revision of Article 14. Proposals for the amendment of Articles 14 and 11 are contained in Annexes 1 and 2 respectively. Good progress was made with the preparation of a Recommendation on the future consideration of Article 14 but there was not sufficient time to complete the work. Consequently, the text of an incomplete Recommendation, produced in the Group, is to be found in Annex 3, and suggestions for completing the Recommendation, drawn together by the Chairman, mainly from Documents 47, 144 and 288, are given in Annex 4.

D.J. WITHERS
Chairman of Working Group 6-B ad hoc 3

Annexes: 4

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ANNEX 1

Proposed amendments for Article 14

NOC Title

NOC 1610-1613

MOD 1613.1 [1] The information in Appendix 3 or 4 submitted to the Board under Article 11 may also be used for the purpose of this procedure. When the Appendix 4 information is submitted for an assignment to a geostationary-satellite network, the administration seeking agreement under this Article shall also [submit] [indicate] the information required for the application of Appendix 29.

NOC 1614-1619

ADD 1619A When an administration intends to use a frequency assignment to a space radiocommunication station, the agreement of an administration having an existing or planned space radiocommunication station may be required with respect to the assignments of this administration:

ADD 1619B a) which are recorded in the Master Register, in conformity with No. 1503; or

ADD 1619C b) for which information under No. 1042[1] has been received by the Board; or

ADD 1619C.1 [1] In the case of a geostationary satellite, the administration will be requested to communicate either the Appendix 3 information or any additional information required for the application of Appendix 29.

ADD 1619D c) for which the procedure of this Article has been initiated.

NOC 1620-1630.1

ANNEX 2

Proposed amendments for Article 11

MOD 1060 § 6. (1) Before an administration (or one acting on behalf of one or more named administrations) notifies to the Board or brings into use any frequency assignment to a space station on a geostationary-satellite or to an earth station that is to communicate with a space station on a geostationary satellite, it shall, except in the cases described in Nos. 1066 to 1071, effect coordination of the assignment with any other administration whose assignment, for a space station on a geostationary satellite or for an earth station that communicates with a space station on a geostationary-satellite, might be affected.[1]

ADD 1060.1 [1] In cases where the application of Article 14 is required with respect to one or more assignments of a network, the agreement obtained in application of Article 14 in relation to an assignment of another satellite network to which No. 1061 to 1065 apply shall be deemed to constitute successful application of the procedure of Section II of this Article.

ANNEX 3

PROPOSED RECOMMENDATION [COM6/C]

[For title, see Annex 4]

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that Article 14 of the Radio Regulations in many instances omits required time limits and the steps to be taken in the case of continuing disagreement between administrations;

b) that the applicability of the provisions of Article 14 in many cases to terrestrial services in shared bands and, in some cases, to terrestrial services only, places the general revision of the Article beyond the competence of the Conference, even though the space services here under consideration are more frequently affected and have experienced some difficulty in its application;

c) that in some cases in the application of Article 14 there exist no technical criteria to identify the affected administrations;

d) that recent administrative radio conferences have used extensively the reference to Article 14 when revising existing footnotes to the Table of Frequency Allocations or developing new ones;

e) that there is a need to review the provisions of Article 14 and to consider the consequential changes [elsewhere in the Radio Regulations] necessary for an efficient and simplified application of this Article;

f) that in case the review leads to the modification of these principles some footnotes may need to be modified;

g) that the review of Article 14 may lead to the need for a review of Article 8, in which case the two Articles should be considered together at the same conference;

h) that the modification of footnotes to the Table of Frequency Allocations may be possible in some cases where Article 14 has been successfully applied;

[f/h) that the revision of Article 14 might make desirable some changes to footnotes to the Table of Frequency Allocations, and these should preferably be considered by the Conference which revised the Article;]

noting

that this Conference has reviewed the provisions of Article 14 which refer to space services, and has made the minimal necessary changes to the procedures, until a more extensive revision can be made, covering all the services;

recommends

that a future competent world administrative radio conference should review and revise, as appropriate, the provisions of Article 14 of the Radio Regulations and make consequential changes arising from such a revision;

invites the Administrative Council

[1. to submit this Recommendation to the 1989 Plenipotentiary Conference;]

[2.] to include the review and, if appropriate the revision of the procedure of Article 14 and any consequential changes to the Radio Regulations in the agenda of a future competent world administrative radio conference;

ANNEX 4

Suggestions for the completion of the draft Recommendation in Annex 3

"Relating to the Improvement of the Procedures of Article 14 of the Radio Regulations and Development Of Technical Criteria for Their Application"

invites the IFRB

to prepare a report on the application of the procedure of Article 14 and on any difficulties encountered in its application, for consideration by a competent world administrative radio conference;

invites the CCIR

1. to develop the sharing criteria for the different services which are involved in the application of Article 14;

2. to provide technical criteria to identify the affected administrations, and to determine permissible interference levels;

urges administrations

to study this matter and, based on their experience in the application of Article 14, to submit proposals for consideration by a future competent world administrative radio conference.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

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COMMITTEE 6

SEVENTH REPORT OF THE CHAIRMAN OF WORKING GROUP 6-C TO THE CHAIRMAN OF COMMITTEE 6

At its eighth meeting Working Group 6-C adopted a revised draft of Recommendation [COM6/D] which is attached for consideration.

L.M. PALMER
Chairman of Working Group 6-C

Annex: 1

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX

RECOMMENDATION [COM6/D]

Relating to the Use of Satellite Networks for more than one Service in one or more Frequency Bands

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that for economic and practical reasons, administrations may find it desirable to utilize geostationary satellites having one or more networks for more than one service in one or more frequency bands (for example: FSS, BSS, and MSS);

b) that there may be several different regulatory mechanisms covering the services provided by multi-band and multiservice satellites and that some of these regulatory mechanisms are associated with plans that include fixed orbital positions;

c) that the need to apply separate regulatory procedures may lead to incompatible results for the different bands or services concerned;

d) that the application of these procedures to bands and services with equal category of allocation shall normally result in equal rights for the networks concerned;

recognizing

a) that an administration having a satellite network subject to more than one procedure will need to apply the procedures independently;

b) that an administration attempting to bring into use a satellite network subject to more than one procedure may find that the process can be difficult but may be facilitated by the sequence in which the coordination procedures are initiated;

c) that additionally there is less flexibility when one of the procedures includes a plan with fixed orbital positions;

d) that when one or more of these services are planned it may be practicable to use the modification provisions of those plans as aids in the resolution of difficulties;

e) that it is desirable to simplify the process for bringing into use multi-band and multiservice satellite networks;

recommends

1. that administrations should take into account the above considerings and recognizings when planning and implementing multi-band and multiservice satellite networks;

2. that administrations cooperate to overcome the particular problems of bringing into use multi-band and multiservice satellite networks, subject to multiple procedures;

invites

1. the CCIR to continue its technical studies into the efficient use of the geostationary satellite orbit as it pertains to multi-band and multiservice satellite networks;

2. the Administrative Council, in the light of experience with the bringing into use of multi-band and multiservice satellites, to place on the agenda of a future competent world administrative radio conference, if necessary, a review of the process for bringing into use multi-band and multiservice satellite networks.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 339-E
24 September 1988
Original: English

WORKING GROUP 5-B

REPORT FROM THE CHAIRMAN OF WORKING GROUP 5-B AD HOC 1
TO THE CHAIRMAN OF WORKING GROUP 5-B

The attached report relating to the IFRB Rules of Procedure is submitted for the consideration of Working Group 5-B.

S. SELWYN
Chairman of Working Group 5-B ad hoc 1

Attachment

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

Comments on the IFRB Rules of Procedure relating to Appendix 30 of the Radio Regulations

Committee 5 has completed a review of the IFRB Rules of Procedure on the application of Appendix 30, as well as the comments of the Board contained in Document 9, and considers it appropriate for the Conference to make some comments on these Rules of Procedure as contained in Document 18 of the Conference. These comments are intended to assist the Board in the application of Appendix 30 to the Radio Regulations.

All references are to sections of Appendix 30. Paragraph numbers relate to the cases where there is more than one paragraph in Document 18 referring to the section.

a) 4.3.1.4 (paragraph 2)

The Board should also apply this provision to any area in Region 2 where there is a primary allocation to terrestrial services in the band 11.7 - 12.2 GHz.

b) 4.3.1.5 (paragraph 4)

In applying Section 6 of Annex 1 to Appendix 30, the -160 dB(W/m^2/4 kHz) limit should be used in the case of 12.2 - 12.5 GHz band in Region 3.

c) 4.5.1 b)

The request for the document referred to in this provision would be satisfied by the publication of modifications in the special spection of the weekly circular plus the publication of the updated Plan as required.

d) 5.2.1 b) (paragraph 1)

The intention to employ greater energy dispersal as given in section 3.18 of Annex 5 should not require a modification to the Plan.

INTERNATIONAL TELECOMMUNICATION UNION

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WORKING GROUP 5-A

Report of the Chairman of Working Group 5-A ad hoc 1
to the Chairman of Working Group 5-A

COMPATIBILITY BETWEEN THE BSS FEEDER LINK PLANS
FOR REGIONS 1, 3 AND REGION 2

The ad hoc Group has examined the feeder link Plans of Regions 1 and 3 and the feeder link Plan of Region 2 to determine whether there are incompatibilities between the Plans.

Incompatibilities were found only at orbit position -31 degrees where there are assignments in both the Region 1 Plan and the Region 2 Plan. The incompatibilities are shown in Attachment 1 and Attachment 2.

No other incompatibilities were found.

J. KIEBLER
Chairman of Working Group 5-A ad hoc 1

Attachments: 2

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ATTACHMENT 1

Interference into Region 2 assignments
from Region 1 assignments

BSS FEEDER LINK INTERREGIONAL INTERFERENCE STUDY

WANTED NAME	BEAM LONG.	INTERFER. NAME	BEAM LONG.	MARGIN (DB)
BERBER02	-31.0	AZR13400	-31.0	-4.5
BERBER02	-31.0	CNR13000	-31.0	-1.0
BERBER02	-31.0	ISL04900	-31.0	-1.2
BERBER02	-31.0	CPV30100	-31.0	-2.2

ATTACHMENT 2

Interference into Region 1 assignments
from Region 2 assignments

BSS FEEDER LINK INTERREGIONAL INTERFERENCE STUDY

WANTED NAME	BEAM LONG.	INTERFER NAME	BEAM LONG.	MARGIN (DB)
POR13300	-31.0	BERBER02	-31.0	-2.5
AZR13400	-31.0	FLKFALKS	-31.0	-3.2
AZR13400	-31.0	BERBER02	-31.0	-13.2
SRL25900	-31.0	BERBER02	-31.0	-2.4
CNR13000	-31.0	BERBER02	-31.0	-9.8
ISL04900	-31.0	BERBER02	-31.0	-6.3
BFA10700	-31.0	FLKFALKS	-31.0	-4.3
BFA10700	-31.0	BERBER02	-31.0	-5.8
IRL21100	-31.0	BERBER02	-31.0	-4.6
G 02700	-31.0	FLKFALKS	-31.0	-2.3
G 02700	-31.0	BERBER02	-31.0	-5.1
E 12900	-31.0	FLKFALKS	-31.0	-4.9
E 12900	-31.0	BERBER02	-31.0	-11.4
GNB30400	-31.0	BERBER02	-31.0	-1.1
CTI23700	-31.0	FLKFALKS	-31.0	-4.7
CTI23700	-31.0	BERBER02	-31.0	-7.3
CPV30100	-31.0	BERBER02	-31.0	-7.9
LBR24400	-31.0	FLKFALKS	-31.0	-0.1
LBR24400	-31.0	BERBER02	-31.0	-5.3

INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 5

Seventh report from Working Group 5-A to Committee 5

BSS FEEDER-LINK PLANNING

ANALYSIS OF THE DRAFT PLAN

1. The analysis of the draft Plan for BSS feeder links together with the column designation is given in Annex 1. These results include complete information on the modified requirements used and the resultant margins calculated in accordance with the directives given in Document 244.

2. All remarks in the Plan are listed in Annex 2, the number of which can also be found in the respective part of Annex 1 (column 12).

R.M. BARTON
Chairman of Working Group 5-A

Annexes: 2

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ANNEX 1

LIST OF REQUIREMENTS AND MARGINS IN THE PLAN

The attached list is presented in the order of longitude of satellite sub-orbital position.

The column designation of this list is as follows:

Column	Description
1	Beam identification (3-letter country code + 3-digit identifier + 2-character modifier)
2	Notifying administration (3-letter country code)
3	Longitude at satellite sub-orbital position (decimal degrees)
4	Longitude at beam boresight (decimal degrees) - down-link/feeder link
5	Latitude at beam boresight (decimal degrees) - down-link/feeder link
6	Beam ellipse major axis (decimal degrees) - down-link/feeder link
7	Beam ellipse minor axis (decimal degrees) - down-link/feeder link
8	Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree
9	Transmit antenna code - space/earth station (see Document 189)
10	Receive antenna code - earth/space station (see Document 189)
11	Circular polarization ("1" right, "2" left) - down-link/feeder link
12	Remarks
13	Number for each test point - down-link
14	Test point longitude (decimal degrees) - down-link
15	Test point latitude (decimal degrees) - down-link
16	Channel number, followed by the down-link e.i.r.p. in dBW, followed by the down-link margins (taken from the 1977 Plan), followed by the overall equivalent protection margin, corresponding to each test point

Column	Description
17	Test point longitude (decimal degrees) - feeder link
18	Test point latitude (decimal degrees) - feeder link
19	Test point rain zone (character) - feeder link
20	Test point height above sea-level (metres) - feeder link
21	Channel number, followed by the up-link e.i.r.p. in dBW, followed by the up-link margins for each test point

ANNEX 2

[9.2] TEXT FOR SYMBOLS IN REMARKS COLUMN OF THE PLAN

1. Fast roll-off space station receiving antenna as defined in Annex 3 (Section ...) of this Appendix.

2. For this assignment the diameter of the earth station antenna is 7 m and the system noise temperature is 3000 K.

3. India may also locate feeder-link earth stations near the point 29°N, 77.3°E on the condition of not affecting the EPMs of other administrations.

4. In order to improve the up-link margins for the channel 23, the satellite receiving antenna will use a shaped beam.

[5. not used]

6. During the Conference Bhutan became the 165th Member of the Union and the Conference decided to provide four assignments for a feeder-link to a BSS space station which had no assignments yet in Appendix 30.

7. This assignment uses feeder-link frequencies which are not a linear translation of the down-link Plan, resulting in the potential radiation of a coherent unwanted frequency corresponding to the second harmonic of the shift frequency and falling in the frequency band allocated to down-links (11.7 - 12.5 GHz).

Every possible and sufficient technical means shall be adopted, on board of the spacecraft, to eliminate such unwanted frequency radiation.

8. This assignment is part of a group, the number of which follows the symbol. The group consists of the beams and has the number of channels assigned to it as indicated in Table 1.

a) The overall equivalent protection margin to be used for the application of Article 4 shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

TABLE 1

Group	Beams in the group	Number of channels assigned to the group
GR1	TKL05800, TKL05801	2 channels
GR2	NIU05400, NIU05401	2 channels
GR3	CKH05200, CKH05201	4 channels
GR4	CKH05300, CKH05301	4 channels
GR5	REU09700, REU09701	5 channels
GR6	NCL10000, NCL10001	4 channels
GR7	MYT09800, MYT09801	5 channels
GR8	WAL10200, WAL10201	4 channels
GR9	PLM33700, PLM33701	5 channels
GR10	CAR33800, CAR33801	5 channels
GR11	WAK33400, WAK33401	5 channels
GR12	MRL33300, MRL33301	5 channels
GR13	SMA33500, SMA33501	5 channels
GR14	MRA33200, MRA33201	5 channels
GR15	GUM33100, GUM33101	5 channels

9. D and SUI have agreed that their feeder-link channels can be interchanged for a limited period of time ending in the year 2001 as follows:

2 with 22, 6 with 26, 10 with 30, 14 with 34, 18 with 38.

PARTIE - PART - PARTE A

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 1

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SEN22200	SEN	-37.0	-14.4 -14.4	13.8 13.8	1.46 1.46	1.04 1.04	139 139	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			-16.5		-15.0		-12.7		-12.0		-16.3		-17.7	
15			16.0		16.3		14.8		12.5		12.7		14.8	
16	21	63.6	2.8	3.8	2.4	3.4	3.2	4.2	2.9	3.9	5.2	6.2	3.4	4.4
16	25	63.7	3.2	4.2	3.0	4.0	5.0	6.0	5.0	6.0	6.6	7.5	4.0	5.0

17			-13.4	-16.1	-16.1	-16.2	-16.2	-16.2	-16.6	-15.1	-13.2	-17.3		
18			13.5	15.4	14.1	12.4	14.4	14.2	14.5	15.2	15.4	14.4		
19			K	K	K	N	K	K	N	K	K	N		
20			0	0	0	0	0	0	0	0	0	0		
21	07	82.0	19.1	17.9	18.4	16.7	18.3	18.3	17.8	18.5	17.2	16.8		
21	11	82.0	19.2	18.0	18.5	16.9	18.4	18.4	17.9	18.6	17.3	16.9		

1	2	3	4	5	6	7	8	9	10	11	12
CPV30100	CPV	-31.0	-24.0 -24.0	16.0 16.0	0.86 0.86	0.70 0.70	144 144	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			-22.9		-24.3		-24.9		-25.1		-25.1		-23.2	
15			16.8		14.4		16.9		17.2		17.0		15.1	
16	04	62.2	4.7	5.7	4.3	5.3	5.8	6.8	5.0	6.0	5.3	6.3	5.8	6.8
16	08	62.2	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8
16	12	62.3	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8
16	16	62.4	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8
16	20	62.4	3.9	4.9	3.9	4.9	5.3	6.3	4.5	5.5	4.9	5.9	5.1	6.1

17			-22.9	-24.3	-24.9	-25.1	-25.1	-23.2						
18			16.8	14.4	16.9	17.2	17.0	15.1						
19			E	N	E	E	E	N						
20			0	0	0	0	0	0						
21	04	82.0	34.3	33.4	35.5	34.6	35.1	35.7						
21	08	82.0	34.6	33.8	35.9	35.0	35.4	36.0						
21	12	82.0	35.9	35.0	37.1	36.2	36.7	37.3						
21	02	82.0	34.3	33.4	35.5	34.6	35.1	35.7						
21	06	82.0	32.1	31.2	33.3	32.4	32.8	33.5						

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 2

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRC20900	MRC	-25.0	-9.0 -8.9	29.2 28.9	2.72 3.96	1.47 1.55	43 50	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			-13.0		-9.0		-1.2		-1.0		-6.0		-15.0	
15			23.0		26.0		32.2		35.0		36.0		26.0	
16	21	63.3	6.7	5.9	8.0	6.8	5.6	5.2	6.5	5.8	6.7	5.9	9.4	7.5
16	25	63.3	5.8	5.3	5.8	5.3	3.8	3.8	7.6	6.5	7.5	6.5	8.8	7.2
16	29	63.4	5.8	5.3	5.8	5.3	3.8	3.8	7.6	6.6	7.4	6.4	8.8	7.3
16	33	63.4	5.8	4.3	5.8	4.3	3.8	3.0	7.6	5.2	7.4	5.1	8.8	5.7
16	37	63.5	5.3	5.0	4.9	4.7	2.4	2.7	5.4	5.1	5.4	5.1	7.5	6.5

17			-5.9	-2.0	-1.3	-5.7	-9.6	-13.2	-15.9	-12.8	-9.6	-17.0		
18			35.8	35.0	32.3	29.8	30.4	27.2	23.7	23.5	26.4	20.4		
19			K	K	E	C	E	C	E	A	C	E		
20			0	0	0	0	0	0	0	0	0	0		
21	07	82.0	0.8	1.8	0.8	2.3	2.3	2.0	1.4	2.2	2.6	0.7		
21	11	82.0	0.8	1.8	0.8	2.3	2.3	2.0	1.4	2.2	2.6	0.7		
21	01	82.0	0.9	2.0	1.0	2.4	2.4	2.2	1.5	2.4	2.8	0.8		
21	05	82.0	-2.1	-1.0	-2.0	-0.6	-0.6	-0.8	-1.5	-0.7	-0.3	-2.2		
21	09	82.0	0.9	2.0	1.0	2.4	2.4	2.2	1.5	2.4	2.8	0.8		

1	2	3	4	5	6	7	8	9	10	11	12
TGO22600	TGO	-25.0	0.8 0.8	8.6 8.6	1.52 1.52	0.60 0.60	105 105	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			1.2		0.5		-0.2		0.7		1.7		1.9	
15			6.1		6.9		11.1		11.0		9.2		6.3	
16	02	63.4	1.5	1.8	1.5	1.8	-1.4	-0.8	-1.3	-0.7	-1.0	-0.4	0.8	1.2
16	06	63.4	1.5	1.5	1.5	1.5	-1.4	-0.9	-1.3	-0.9	-1.1	-0.7	0.8	0.9
16	10	63.5	1.5	1.5	1.5	1.5	-1.4	-0.9	-1.3	-0.9	-1.1	-0.7	0.8	0.9
16	14	63.5	1.5	2.5	1.5	2.5	-1.4	-0.4	-1.3	-0.3	-1.0	0.0	0.8	1.8
16	18	63.6	1.5	1.8	1.5	1.8	-1.4	-0.8	-1.3	-0.7	-1.1	-0.5	0.8	1.2

17			1.2	0.3	-0.2	0.7	1.7	1.9						
18			6.0	6.9	11.1	11.0	9.2	6.3						
19			P	P	K	K	N	P						
20			0	0	0	0	0	0						
21	02	82.0	1.5	1.2	1.2	1.6	0.2	1.3						
21	06	82.0	-0.5	-0.7	-0.8	-0.3	-1.7	-0.7						
21	10	82.0	-0.5	-0.7	-0.8	-0.3	-1.7	-0.7						
21	14	82.0	51.4	51.1	51.1	51.5	50.1	51.2						
21	04	82.0	1.5	1.2	1.2	1.6	0.2	1.3						

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NIG11900	NIG	-19.0	7.8 7.8	9.4 9.4	2.16 2.16	2.02 2.02	45 45	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			3.4		7.0		5.5		13.3		12.0		7.0	
15			6.4		9.0		14.0		13.9		7.8		4.7	
16	22	63.9	4.0	4.1	10.2	8.3	6.0	5.7	4.5	4.5	5.4	5.2	6.8	6.3
16	26	63.9	3.8	4.0	9.9	8.2	5.8	5.5	4.3	4.4	5.3	5.2	6.6	6.1
16	30	64.0	3.8	4.0	9.9	8.2	5.8	5.5	4.3	4.4	5.3	5.2	6.6	6.1
16	34	64.1	3.8	4.5	9.9	9.7	5.8	6.3	4.3	4.9	5.3	5.8	6.6	7.0
16	38	64.1	3.8	4.2	10.0	8.9	5.8	5.9	4.4	4.7	5.3	5.5	6.5	6.4
17			3.4		7.0		5.5		13.3		12.0		7.0	
18			6.4		9.0		14.0		13.9		7.8		4.7	
19			N		N		K		E		N		P	
20			0		0		0		0		0		0	
21	02	82.0	2.8		5.1		1.9		1.5		3.0		2.6	
21	04	82.0	2.8		5.1		1.9		1.5		3.0		2.6	
21	06	82.0	2.8		5.1		1.9		1.5		3.0		2.6	
21	08	82.0	7.1		9.4		6.2		5.8		7.4		6.9	
21	10	82.0	4.3		6.7		3.5		3.1		4.6		4.1	

1	2	3	4	5	6	7	8	9	10	11	12
NMB02500	NMB	-19.0	17.5 17.5	-21.6 -21.6	2.66 2.66	1.90 1.90	48 48	A883 A881	A884 A882	2 1	

			1		2		3		4		5	
13												
14			12.0		21.0		25.0		21.0		20.0	
15			-17.0		-18.0		-17.6		-22.0		-28.4	
16	25	64.7	11.0	11.5	8.0	8.7	5.0	5.9	4.4	5.3	-0.4	0.6
16	29	64.8	11.3	11.3	8.1	8.6	5.1	5.8	4.4	5.2	-0.4	0.5
16	33	64.8	11.2	11.2	8.1	8.6	5.0	5.7	4.4	5.2	1.4	2.3
16	37	64.9	10.9	11.9	8.0	9.0	5.0	6.0	4.3	5.3	-0.4	0.6
17			17.1	20.0	21.0		25.0	21.0	12.0			
18			-22.6	-28.4	-22.0		-17.6	-18.0	-17.0			
19			E	E	E		N	E	E			
20			0	0	0		0	0	0			
21	01	82.0	14.5	11.3	13.8		11.2	13.0	11.1			
21	05	82.0	11.3	8.1	10.6		8.0	9.9	8.0			
21	09	82.0	11.3	8.1	10.6		8.0	9.9	8.0			
21	13	82.0	39.7	36.5	38.9		36.3	38.2	36.3			

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ISR11000	ISR	-13.0	34.9 34.9	31.4 31.4	0.94 0.94	0.60 0.60	117 117	A883 A881	A884 A882	2 2	

			1		2		3		4		5	
13												
14			34.8		34.3		35.2		35.5		35.3	
15			29.5		31.2		33.2		32.4		31.3	
16	25	63.8	7.6	8.6	6.7	7.7	2.0	3.0	5.3	6.3	7.9	8.9
16	29	63.9	7.6	8.6	6.7	7.7	2.0	3.0	5.2	6.2	7.8	8.8
16	33	63.9	7.6	8.6	6.7	7.7	2.0	3.0	5.2	6.2	7.8	8.8
16	37	64.0	7.3	8.3	6.5	7.5	1.9	2.9	5.1	6.1	7.7	8.7
17			34.8	34.3	35.2		35.5	35.3				
18			29.5	31.2	33.2		32.4	31.3				
19			D	G	L		K	G				
20			0	100	0		-125	-400				
21	01	82.0	22.1	23.9	22.4		23.7	24.3				
21	05	82.0	19.1	20.9	19.4		20.7	21.3				
21	09	82.0	22.1	23.9	22.4		23.7	24.3				
21	11	82.0	21.3	23.1	21.6		22.9	23.5				

1	2	3	4	5	6	7	8	9	10	11	12
STP24100	STP	-13.0	7.0 7.0	0.8 0.8	0.60 0.60	0.60 0.60	0 0	A883 A881	A884 A882	2 1	

			1		2		3		4	
13										
14			7.4		6.8		7.0		5.0	
15			1.7		0.4		0.8		2.0	
16	04	61.5	0.9	1.9	2.8	3.7	3.1	4.0	-2.4	-1.4
16	08	61.5	0.8	1.8	2.8	3.7	3.1	4.0	-2.4	-1.4
16	12	61.5	0.8	1.8	2.8	3.8	3.1	4.1	-2.4	-1.4
16	16	61.6	0.8	1.8	2.8	3.7	3.1	4.0	-2.4	-1.4
16	20	61.7	2.7	3.6	4.4	5.3	4.8	5.7	0.0	1.0
17			7.0							
18			0.8							
19			N							
20			0							
21	04	82.0	12.2							
21	08	82.0	12.2							
21	12	82.0	27.0							
21	02	82.0	12.2							
21	06	82.0	12.2							

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 5

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MOZ30700	MOZ	-1.0	34.0 34.0	-18.0 -18.0	3.57 3.57	1.38 1.38	55 55	A883 A881	A884 A882	2 1	

			1		2		3		4		5	
13			40.3		40.0		32.5		30.3		35.0	
14			-10.3		-16.0		-26.8		-15.0		-11.8	
16	04	64.3	6.9	5.7	9.0	6.8	4.3	4.0	4.3	4.0	5.8	5.0
16	08	64.2	6.8	5.6	8.9	6.8	4.2	3.9	4.2	3.9	5.7	4.9
16	12	64.3	6.8	6.6	9.0	8.1	4.2	4.5	4.3	4.6	5.7	5.7
16	16	64.4	6.8	6.6	9.0	8.1	4.2	4.5	4.2	4.5	5.7	5.7
16	20	64.4	6.8	5.6	8.4	6.5	3.6	3.4	3.9	3.7	5.7	4.9
17			40.3		40.0		32.5		30.3		35.0	
18			-10.3		-16.0		-26.8		-15.0		-11.8	
19			J		N		K		J		J	
20			0		0		0		0		0	
21	04	82.0	0.3		0.8		-0.1		-0.3		1.1	
21	08	82.0	0.3		0.7		-0.1		-0.3		1.0	
21	12	82.0	3.3		3.8		2.9		2.7		4.1	
21	02	82.0	3.2		3.7		2.9		2.7		4.0	
21	06	82.0	0.3		0.7		-0.1		-0.3		1.0	

1	2	3	4	5	6	7	8	9	10	11	12
ZMB31400	ZMB	-1.0	27.5 27.5	-13.1 -13.1	2.38 2.38	1.48 1.48	39 39	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13			28.5		33.0		33.0		25.5		26.2		24.1	
14			-8.0		-9.0		-13.8		-17.5		-15.0		-11.0	
16	03	63.8	4.6	4.1	4.0	3.7	3.1	3.0	3.6	3.4	6.6	5.4	6.9	5.6
16	07	63.8	4.5	3.9	3.9	3.4	3.0	2.8	3.5	3.2	6.5	5.1	6.9	5.4
16	11	63.8	4.6	4.6	3.9	4.0	3.0	3.3	3.5	3.7	6.5	6.0	6.9	6.3
16	15	63.9	4.6	3.9	3.9	3.4	3.0	2.8	3.5	3.1	6.5	5.1	6.9	5.3
16	19	63.9	4.6	4.5	3.9	4.0	3.0	3.2	3.5	3.7	6.5	6.0	6.9	6.2
17			28.5		33.0		33.0		25.5		26.2		24.1	
18			-8.0		-9.0		-13.8		-17.5		-15.0		-11.0	
19			K		J		J		J		J		K	
20			0		0		0		0		0		0	
21	03	82.0	-0.6		-0.2		-0.1		0.5		2.6		0.3	
21	07	82.0	-1.1		-0.7		-0.6		0.0		2.1		-0.2	
21	11	82.0	1.5		1.8		1.9		2.6		4.6		2.4	
21	05	82.0	-1.2		-0.8		-0.7		-0.1		1.9		-0.3	
21	09	82.0	1.2		1.6		1.7		2.4		4.4		2.2	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IFB02100	AFS	5.0	24.5 24.5	-28.0 -28.0	3.13 3.13	1.68 1.68	27 27	A883 A881	A884 A882	2 1	

			1		2		3		4		5		6	
13			30.0		32.5		25.8		20.0		16.8		18.2	
14			-22.1		-27.0		-24.7		-25.0		-28.0		-34.2	
16	21	64.1	0.7	1.3	4.4	4.5	6.4	6.0	10.4	8.5	12.1	9.3	11.4	9.0
16	25	64.2	-0.3	0.4	3.1	3.4	1.4	1.9	-0.7	0.0	0.1	0.8	4.0	4.2
16	29	64.1	-0.3	0.6	3.1	4.0	1.4	2.3	-0.7	0.2	0.2	1.1	4.1	4.9
16	33	64.2	-0.3	0.3	3.2	3.4	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.1
16	37	64.3	-0.3	0.3	3.1	3.3	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.2
17			30.0	32.5	24.0	20.0	16.8	18.2	25.6	31.0	28.9	14.5		
18			-22.1	-27.0	-23.0	-25.0	-28.0	-34.2	-33.9	-29.7	-26.2	-23.0		
19			E	K	E	C	C	D	D	K	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	07	82.0	8.3	9.0	8.7	8.7	8.6	8.2	8.0	8.9	10.7	1.7		
21	11	82.0	8.4	9.1	8.9	8.9	8.8	8.4	8.2	9.0	10.8	1.9		
21	01	82.0	16.2	16.9	16.6	16.6	16.6	16.1	16.0	16.8	18.6	9.6		
21	05	82.0	7.8	8.5	8.2	8.2	8.2	7.7	7.6	8.4	10.2	1.2		
21	09	82.0	7.9	8.6	8.4	8.4	8.3	7.9	7.7	8.5	10.3	1.3		

1	2	3	4	5	6	7	8	9	10	11	12
UGA05100	UGA	11.0	32.3 32.3	1.2 1.2	1.46 1.46	1.12 1.12	60 60	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13			34.0		31.2		30.0		29.8		33.8		34.6	
14			4.3		3.7		0.7		-1.3		-1.0		1.3	
16	03	63.3	5.9	6.2	7.4	7.4	5.6	5.9	1.4	2.1	3.0	3.6	4.7	5.2
16	07	63.3	5.8	6.2	7.3	7.5	5.5	6.0	1.3	2.1	2.9	3.6	4.6	5.2
16	11	63.3	5.8	6.1	7.3	7.4	5.5	5.9	1.3	2.0	2.9	3.5	4.6	5.1
16	15	63.4	5.8	6.1	7.3	7.4	5.5	5.9	1.3	2.0	2.9	3.5	4.6	5.1
16	19	63.4	5.8	6.4	7.3	7.7	5.5	6.1	1.3	2.1	2.9	3.7	4.6	5.3
17			34.0		31.2		30.0		29.8		33.8		34.6	
18			4.3		3.7		0.7		-1.3		-1.0		1.3	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	02	82.0	4.5		4.5		5.6		4.5		4.5		5.5	
21	04	82.0	5.5		5.4		6.5		5.5		5.4		6.5	
21	06	82.0	4.5		4.5		5.6		4.5		4.5		5.5	
21	08	82.0	4.5		4.5		5.6		4.5		4.5		5.5	
21	10	82.0	6.8		6.7		7.8		6.7		6.7		7.7	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
YMS26700	YMS	11.0	48.8	15.2	1.76	1.54	176	A883	A884	2	
			48.8	15.2	1.76	1.54	176	A881	A882	1	

			1		2		3		4		5		6	
13			43.2		45.5		49.5		52.6		53.7		46.5	
14			12.4		15.0		18.4		16.6		12.2		13.5	
15														
16	01	62.8	5.6	6.2	6.6	7.1	4.8	5.5	6.4	7.0	7.4	7.9	7.5	7.9
16	05	62.9	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.0	5.4	5.1	5.5
16	09	62.9	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.0	5.4	5.1	5.5
16	13	63.0	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.1	5.5	5.1	5.5
16	17	63.0	3.4	4.0	4.2	4.7	2.6	3.2	4.6	5.0	5.2	5.5	5.2	5.5
17			43.2		45.5		49.5		52.6		53.7		46.5	
18			12.4		15.0		18.4		16.6		12.2		13.5	
19			E		C		C		C		E		E	
20			0		0		0		0		0		0	
21	01	82.0	7.7		10.3		9.1		9.9		7.1		10.3	
21	03	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	05	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	07	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	09	82.0	4.7		7.3		6.1		6.9		4.1		7.3	

1	2	3	4	5	6	7	8	9	10	11	12
ETH09200	ETH	23.0	39.7	9.1	3.50	2.40	124	A883	A884	2	
			39.7	9.1	3.50	2.40	124	A881	A882	1	

			1		2		3		4		5		6	
13			42.4		35.5		39.0		34.5		45.0		39.2	
14			13.0		7.5		3.3		6.2		5.0		17.5	
15														
16	22	63.4	3.1	4.0	3.5	4.4	7.5	8.3	3.0	3.9	9.6	10.3	2.5	3.4
16	26	63.5	2.6	3.6	3.0	4.0	6.6	7.6	2.6	3.6	7.8	8.8	1.9	2.9
16	30	63.6	2.5	3.4	2.9	3.8	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
16	34	63.6	2.5	3.4	3.0	3.9	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
16	38	63.7	2.5	3.4	2.9	3.8	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
17			41.1	38.5	36.6		34.6	34.0	35.1		42.1	45.0	48.0	43.1
18			15.1	18.0	15.6		10.9	7.9	4.5		4.2	5.1	8.0	12.7
19			C	C	E		J	J	K		J	E	E	E
20			0	0	400		800	200	200		0	200	700	0
21	08	82.0	13.2	12.0	13.4		13.8	12.9	12.2		14.2	13.5	11.7	13.5
21	12	82.0	30.1	28.8	30.2		30.7	29.8	29.0		31.0	30.4	28.5	30.4
21	02	82.0	13.2	12.0	13.4		13.8	12.9	12.2		14.2	13.5	11.7	13.5
21	06	82.0	13.2	12.0	13.4		13.8	12.9	12.2		14.2	13.5	11.7	13.5
21	10	82.0	13.4	12.2	13.5		14.0	13.1	12.3		14.3	13.7	11.8	13.7

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRN10900	IRN	34.0	54.2	32.4	3.82	1.82	149	A883	A884	2	
			54.2	32.4	3.82	1.82	149	A881	A882	1	

			1		2		3		4		5		6	
13			60.2		61.5		61.1		48.2		46.1		44.9	
14			25.2		31.0		36.5		30.3		33.1		39.4	
15														
16	03	62.8	7.3	8.2	6.8	7.7	7.8	8.7	11.6	12.4	12.3	13.0	10.8	11.6
16	07	62.8	7.3	8.2	6.7	7.6	7.7	8.6	11.6	12.4	12.2	13.0	10.7	11.6
16	11	62.9	7.3	8.3	6.8	7.8	7.6	8.6	11.7	12.6	12.5	13.4	11.1	12.0
17			48.0	44.6	56.5		61.2	61.8	63.3		61.4	55.1	48.2	45.4
18			39.7	39.8	38.2		36.6	31.3	27.1		25.1	25.9	30.3	34.0
19			K	K	C		C	E	E		E	C	E	K
20			0	0	0		0	0	0		0	0	0	0
21	03	82.0	16.6	15.8	16.3		15.4	17.2	16.4		16.0	16.4	16.6	16.6
21	07	82.0	17.4	16.7	17.2		16.3	18.1	17.3		16.9	17.3	17.5	17.5
21	11	82.0	21.5	20.8	21.2		20.3	22.2	21.3		20.9	21.4	21.6	21.6

1	2	3	4	5	6	7	8	9	10	11	12
PAK12700	PAK	38.0	69.6	29.5	2.30	2.16	14	A883	A884	1	
			69.6	29.5	2.30	2.16	14	A881	A882	2	

			1		2		3		4		5		6	
13			70.0		74.5		75.0		74.5		71.7		66.5	
14			34.0		35.7		32.3		30.8		28.4		30.9	
15														
16	02	63.9	4.8	5.7	1.9	2.9	4.3	5.3	5.4	6.3	7.9	8.8	8.1	9.0
16	06	64.0	4.7	5.7	1.8	2.8	4.3	5.3	5.4	6.4	7.8	8.7	8.0	8.9
17			70.0		74.5		75.0		74.5		71.7		66.5	
18			34.0		35.7		32.3		30.8		28.4		30.9	
19			C		E		E		E		E		E	
20			0		0		0		0		0		0	
21	02	82.0	15.9		15.1		16.3		16.6		17.1		16.7	
21	06	82.0	17.8		17.0		18.2		18.5		19.0		18.6	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK21000	PAK	38.0	72.1 72.1	30.8 30.8	1.16 1.16	0.72 0.72	90 90	A883 A881	A884 A882	1 2	

13			1		2		3		4		5		6
14			75.2		70.1		72.3		73.7		71.8		70.4
15			32.2		27.8		33.7		33.9		28.0		31.3
16	12	63.5	-0.1	0.9	0.1	1.1	-1.4	-0.4	-0.7	0.3	-0.7	0.3	1.7	2.7
17			75.2		70.1		72.3		73.7		71.8		70.4
18			32.2		27.8		33.7		33.9		28.0		31.3
19			E		E		E		E		E		E
20			0		0		0		0		0		0
21	12	82.0	12.6		13.9		13.4		14.2		13.8		13.6

1	2	3	4	5	6	7	8	9	10	11	12
PAK28300	PAK	38.0	74.7 74.7	33.9 33.9	1.34 1.34	1.13 1.13	160 160	A883 A881	A884 A882	1 2	

13			1		2		3		4		5		6
14			70.3		79.8		79.1		75.1		72.8		70.0
15			31.2		35.6		32.7		37.2		36.7		34.0
16	04	64.3	3.0	3.9	4.8	5.7	2.5	3.5	7.0	7.9	6.8	7.7	5.5	6.4
16	08	64.3	3.1	4.1	4.8	5.8	2.6	3.6	7.0	8.0	6.8	7.8	5.6	6.6
17			70.3		79.8		75.1		72.8		70.0		79.0	
18			31.2		35.6		37.2		36.7		34.0		32.5	
19			E		C		C		E		C		E	
20			0		0		0		0		0		0	
21	04	82.0	13.4		14.1		13.7		13.4		13.8		13.3	
21	08	82.0	24.8		25.4		25.1		24.8		25.2		24.6	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 10

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03800	IND	56.0	75.9 75.9	33.4 33.4	1.52 1.52	1.08 1.08	33 33	A883 A881	A884 A882	1 2	3.

13			1		2		3		4		5		6
14			73.9		73.6		72.5		74.6		80.3		79.0
15			30.0		33.1		35.9		37.0		35.7		31.2
16	17	64.3	0.7	0.9	6.3	5.0	4.6	3.9	5.3	4.4	7.8	5.8	-3.4	-2.7
16	23	64.4	8.1	7.7	11.1	9.6	6.5	6.5	7.1	6.9	11.3	9.7	5.7	5.8
17			73.9		73.6		72.5		74.6		80.3		79.0	
18			30.0		33.1		35.9		37.0		35.7		31.2	
19			E		E		E		E		K		K	
20			0		0		0		0		0		0	
21	03	82.0	2.1		3.9		-1.2		-0.6		2.5		-0.4	
21	09	82.0	6.5		8.2		3.2		3.8		6.8		4.0	

1	2	3	4	5	6	7	8	9	10	11	12
IND03900	IND	56.0	72.7 72.7	11.2 11.2	1.26 1.26	0.60 0.60	107 107	A883 A881	A884 A882	1 2	3.

13			1		2		3						
14			71.9		73.7		73.0						
15			12.3		10.9		8.3						
16	05	63.2	8.2	7.8	8.5	8.0	8.7	8.1					
16	13	63.3	8.1	8.6	8.1	8.6	7.1	7.7					
17			71.9		73.7		73.0						
18			12.3		10.9		8.3						
19			N		N		N						
20			0		0		0						
21	05	82.0	5.3		4.1		3.3						
21	13	82.0	9.8		8.5		7.8						

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 11

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04000	IND	56.0	73.0 73.0	25.0 25.0	1.82 1.82	1.48 1.48	58 58	A883 A881	A884 A882	2 1	3.

			1	2	3	4	5	6
13								
14			67.8	69.5	73.5	78.2	76.8	73.1
15			24.0	27.0	30.0	27.0	24.2	20.1
16	04	63.7	8.8 7.3	4.0 4.0	-0.7 -0.1	3.0 3.2	7.5 6.5	8.6 7.1
16	12	63.8	4.7 5.3	0.5 1.4	-1.1 -0.2	4.1 4.8	7.8 8.1	8.5 8.7
17			67.8	69.5	73.5	78.2	76.8	73.1
18			24.0	27.0	30.0	27.0	24.2	20.1
19			K	E	E	K	K	N
20			0	0	0	0	0	0
21	04	82.0	0.8	1.3	1.4	1.3	1.8	1.0
21	12	82.0	6.3	6.8	6.9	6.9	7.4	6.6

1	2	3	4	5	6	7	8	9	10	11	12
IND04100	IND	56.0	78.4 78.4	16.0 16.0	2.08 2.08	1.38 1.38	35 35	A883 A881	A884 A882	2 1	3.

			1	2	3	4	5
13							
14			73.6	78.3	84.9	80.2	76.8
15			15.7	19.8	19.0	13.5	11.8
16	20	63.8	13.2 8.8	3.1 3.2	1.8 2.1	13.6 8.9	13.9 9.0
16	22	63.8	13.4 9.6	3.5 3.7	1.9 2.3	14.3 9.9	15.0 10.1
17			73.6	78.6	84.9	80.2	76.8
18			15.7	19.8	19.0	13.5	11.8
19			N	N	N	N	N
20			0	0	0	0	0
21	06	82.0	1.0	0.6	0.3	0.9	0.6
21	08	82.0	2.1	1.7	1.4	2.1	1.8

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 12

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04300	IND	56.0	77.8 77.8	11.1 11.1	1.36 1.36	1.28 1.28	172 172	A883 A881	A884 A882	1 2	3.

			1	2	3	4	5
13							
14			77.5	74.8	80.3	79.8	79.5
15			8.1	12.8	13.5	10.2	9.1
16	07	63.4	5.6 4.6	6.1 4.9	5.8 4.7	4.9 4.1	3.8 3.4
16	15	63.5	5.5 6.0	6.2 6.6	5.9 6.3	5.0 5.5	3.9 4.5
17			77.5	74.8	80.3	79.8	79.5
18			8.1	12.8	13.5	10.2	9.1
19			N	N	N	N	N
20			0	0	0	0	0
21	07	82.0	-0.8	-1.1	-0.9	0.8	0.0
21	01	82.0	5.6	5.4	5.6	7.3	6.4

1	2	3	4	5	6	7	8	9	10	11	12
IND04500	IND	56.0	76.2 76.2	19.5 19.5	1.58 1.58	1.58 1.58	21 21	A883 A881	A884 A882	2 1	3.

			1	2	3	4	5	6
13								
14			74.0	72.6	74.4	80.0	80.2	74.0
15			15.7	19.9	22.0	21.6	18.8	15.7
16	02	63.6	4.5 4.8	4.1 4.5	3.2 3.7	5.0 5.3	6.5 6.5	4.5 4.8
16	10	63.6	4.5 5.2	4.1 4.8	3.1 3.9	4.9 5.5	6.5 7.0	4.5 5.2
17			74.0	72.6	74.4	80.0	80.2	
18			15.7	19.9	22.0	21.6	18.8	
19			N	N	K	N	N	
20			0	0	0	0	0	
21	02	82.0	3.4	4.2	4.5	3.9	3.7	
21	10	82.0	6.4	7.1	7.4	6.8	6.6	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 13

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2	3.
			93.0	25.5	1.46	1.13	40	A881	A882	1	

			1		2		3		4		5		6	
14			93.0		91.6		89.8		91.5		96.0		97.1	
15			22.0		23.0		26.0		27.8		29.5		27.1	
16	06	64.0	1.8	2.1	4.3	4.2	1.7	2.0	0.4	0.9	-1.0	-0.4	-0.5	0.1
16	14	64.1	4.1	5.1	5.8	6.8	2.8	3.8	2.1	3.1	2.1	3.1	3.8	4.8
17			93.0		91.6		89.8		91.5		96.0		97.1	
18			22.0		23.0		26.0		27.8		29.5		27.1	
19			P		N		K		K		K		K	
20			0		0		0		0		0		0	
21	06	82.0	0.5		3.0		1.8		1.3		1.0		2.1	
21	14	82.0	31.8		34.2		33.0		32.5		32.2		33.4	

1	2	3	4	5	6	7	8	9	10	11	12
IND04200	IND	68.0	79.3	27.7	2.14	1.16	147	A883	A884	2	3.
			79.3	27.7	2.14	1.16	147	A881	A882	1	

			1		2		3		4		5		6	
14			78.7		74.5		81.0		83.6		84.6		83.0	
15			24.2		29.9		30.2		27.5		25.8		23.9	
16	18	63.8	1.8	2.3	2.7	3.1	4.4	4.6	1.3	1.9	-1.6	-0.8	-1.0	-0.3
16	24	63.9	1.6	2.0	2.4	2.7	3.6	3.7	1.4	1.8	-1.3	-0.6	-0.7	-0.1
17			78.7		74.5		81.0		83.6		84.6		83.0	
18			24.2		29.9		30.2		27.5		25.8		23.9	
19			K		E		K		K		K		K	
20			0		0		0		0		0		0	
21	04	82.0	2.1		3.0		2.7		3.0		2.5		2.8	
21	10	82.0	0.8		1.7		1.4		1.7		1.2		1.5	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 14

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04400	IND	68.0	79.5	22.3	2.19	1.42	146	A883	A884	1	3.
			79.5	22.3	2.19	1.42	146	A881	A882	2	

			1		2		3		4		5		6	
14			74.1		75.2		78.2		81.5		84.3		81.2	
15			22.6		25.0		26.9		25.2		23.0		17.8	
16	01	63.4	7.3	7.1	5.6	5.8	0.9	1.6	1.7	2.3	2.6	3.2	9.0	8.4
16	09	63.5	5.7	4.9	4.4	4.0	0.3	0.7	0.7	1.1	0.6	1.0	7.7	6.2
17			74.1		75.2		78.2		81.5		84.3		81.2	
18			22.6		25.0		26.9		25.2		23.0		17.8	
19			K		K		K		K		N		N	
20			0		0		0		0		0		0	
21	01	82.0	3.4		4.5		3.8		4.2		3.6		3.8	
21	09	82.0	-0.3		0.9		0.1		0.5		0.0		0.1	

1	2	3	4	5	6	7	8	9	10	11	12
IND04600	IND	68.0	84.7	20.5	1.60	0.86	30	A883	A884	1	3.
			84.7	20.5	1.60	0.86	30	A881	A882	2	

			1		2		3		4		5	
14			81.4		84.0		87.5		84.3		82.3	
15			17.8		22.4		21.7		18.8		21.0	
16	19	63.6	4.3	4.4	1.0	1.5	0.5	1.1	4.6	4.6	3.0	3.3
16	21	63.7	4.6	4.4	1.2	1.6	0.6	1.1	4.9	4.6	3.3	3.4
17			81.4		84.0		87.5		84.3		82.3	
18			17.8		22.4		21.7		18.8		21.0	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	05	82.0	2.5		1.5		4.1		3.4		2.6	
21	07	82.0	1.4		0.5		3.1		2.4		1.6	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 15

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04700	IND	68.0	93.3	11.1	1.92	0.60	96	A883	A884	1	3.
			93.3	11.1	1.92	0.60	96	A881	A882	2	

			1		2		3		4	
13										
14			93.8		94.2		93.8		92.2	
15			14.8		13.4		6.8		11.5	
16	03	63.5	6.2	6.8	7.6	8.1	10.3	10.4	10.0	10.2
16	11	63.5	6.2	7.2	7.7	8.7	13.6	14.4	10.6	11.5
17			93.8		94.2		93.8		92.2	
18			14.8		13.4		6.8		11.5	
19			P		P		P		N	
20			0		0		0		0	
21	03	82.0	9.2		9.3		8.5		7.9	
21	11	82.0	20.1		20.2		19.5		18.9	

1	2	3	4	5	6	7	8	9	10	11	12
IND04800	IND	68.0	86.2	25.0	1.56	0.90	120	A883	A884	2	3.
			86.2	25.0	1.56	0.90	120	A881	A882	1	

			1		2		3		4		5		6	
13														
14			83.3		83.8		88.6		89.8		89.0		89.0	
15			25.2		27.4		28.2		26.7		25.3		23.2	
16	08	63.7	0.4	0.0	0.1	-0.2	-2.7	-2.4	-2.8	-2.5	1.2	0.6	3.4	1.9
16	16	65.5	4.0	3.1	3.7	2.9	-4.4	-3.7	-6.2	-5.4	-1.2	-0.9	1.3	1.2
17			83.3		83.8		88.6		89.8		89.0		89.0	
18			25.2		27.4		28.2		26.7		25.3		23.2	
19			K		K		K		K		K		N	
20			0		0		0		0		0		0	
21	08	82.0	-1.3		-0.1		-3.1		-4.4		-1.4		-0.7	
21	02	82.0	0.5		1.8		-1.3		-2.5		0.5		1.2	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 16

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SNG15100	SNG	74.0	103.8	1.3	0.60	0.60	0	A883	A884	2	
			103.8	1.3	0.60	0.60	0	A881	A882	1	

			1		2		3		4		5		6	
13														
14			103.8		104.0		104.0		103.0		102.4		106.0	
15			1.5		1.4		0.5		2.8		0.4		1.1	
16	03	63.6	3.5	4.5	3.5	4.5	1.6	2.6	-1.0	0.0	-0.6	0.4	-1.6	-0.6
16	07	63.6	3.4	4.4	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4	-1.6	-0.6
16	11	63.7	10.9	11.9	10.8	11.8	10.5	11.5	5.3	6.3	10.6	11.6	3.3	4.3
16	15	63.7	6.8	7.8	6.7	7.7	5.7	6.7	1.6	2.6	4.5	5.5	0.3	1.3
17			103.8		104.0		104.0		103.0		102.4		106.0	
18			1.5		1.4		0.5		2.8		0.4		1.1	
19			P		P		P		P		P		P	
20			0		0		0		0		0		0	
21	02	82.0	41.9		41.9		39.9		35.7		36.6		34.8	
21	06	82.0	41.2		41.2		39.1		34.9		35.9		34.1	
21	10	82.0	43.0		43.0		40.9		36.7		37.7		35.9	
21	14	82.0	41.5		41.5		39.4		35.2		36.2		34.4	

1	2	3	4	5	6	7	8	9	10	11	12
PNG13100	PNG	110.0	147.7	-6.3	2.50	2.18	169	A883	A884	1	
			147.7	-6.3	2.50	2.18	169	A881	A882	2	

			1		2		3		4		5	
13												
14			150.0		157.0		154.0		141.0		141.0	
15			-1.0		-7.0		-12.0		-9.2		-2.6	
16	02	64.5	5.7	6.7	6.7	7.7	4.6	5.6	1.5	2.5	3.0	4.0
16	06	64.4	5.4	6.4	6.3	7.3	4.3	5.3	1.4	2.4	2.8	3.8
16	10	64.5	5.4	6.4	6.4	7.4	4.4	5.4	1.4	2.4	2.8	3.8
16	14	64.6	5.2	6.2	6.1	7.1	4.1	5.1	1.3	2.3	2.7	3.7
17			150.0		157.0		154.0		141.0		141.0	
18			-1.0		-7.0		-12.0		-9.2		-2.6	
19			P		P		P		P		P	
20			0		0		0		0		0	
21	02	89.0	53.1		53.4		52.5		53.2		53.4	
21	06	89.0	52.9		53.3		52.4		53.0		53.3	
21	10	89.0	53.9		54.2		53.3		54.0		54.2	
21	14	89.0	55.2		55.5		54.6		55.3		55.5	

PLAN 2 ANALYSIS OF THE PLAN ORB(2)

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PNG27100	PNG	128.0	148.0	-6.7	2.80	2.05	155	A883	A884	1	
			148.0	-6.7	2.80	2.05	155	A881	A882	2	

13			1		2		3		4		5			
14			150.0		157.0		154.0		141.0		141.0			
15			-1.0		-7.0		-12.0		-9.2		-2.6			
16	04	63.4	4.2	5.2	4.0	5.0	4.7	5.7	3.3	4.3	4.4	5.4		
16	08	63.4	4.1	5.1	4.0	5.0	4.6	5.6	3.2	4.2	4.3	5.3		
16	12	63.5	3.5	4.5	3.0	4.0	3.6	4.6	2.7	3.7	4.0	5.0		
17			150.0	157.0	154.0	141.0	141.0							
18			-1.0	-7.0	-12.0	-9.2	-2.6							
19			P	P	P	P	P							
20			0	0	0	0	0							
21	04	89.0	56.1	56.2	57.0	56.0	57.0							
21	08	89.0	54.9	55.0	55.8	54.8	55.8							
21	12	89.0	56.9	57.0	57.7	56.7	57.7							

PARTIE - PART - PARTE B

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 1

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
OCE10100	F	-160.0	-145.0	-16.3	4.34	3.54	4	A883	A884	2	
			-145.0	-16.3	4.34	3.54	4	A887	A882	1	

			1		2		3		4	
13										
14			-153.0		-154.7		-139.3		-134.5	
15			-23.0		-15.7		-9.0		-23.3	
16	04	63.6	24.5	25.1	17.6	18.5	21.9	22.7	28.1	28.3
16	08	63.6	24.4	25.1	17.6	18.5	21.8	22.6	28.1	28.3
16	12	63.6	24.0	24.7	17.5	18.4	21.8	22.6	28.1	28.3
16	16	63.7	25.5	26.5	17.8	18.8	21.9	22.9	28.2	29.2

17			-153.0	-154.7	-139.3	-134.5
18			-23.0	-15.7	-9.0	-23.3
19			D	D	N	D
20			0	0	0	0
21	04	84.0	26.5	27.4	26.8	26.2
21	08	84.0	26.6	27.4	26.8	26.2
21	12	84.0	26.6	27.4	26.8	26.2
21	16	84.0	39.9	40.7	40.1	39.5

1	2	3	4	5	6	7	8	9	10	11	12
AND34100	E F	-37.0	1.6	42.5	0.60	0.60	0	A883	A884	2	
			1.5	42.5	0.61	0.60	153	A887	A882	1	

			1		2		3		4		5		6	
13														
14			1.5		1.4		1.5		1.7		1.4		1.7	
15			42.4		42.5		42.6		42.5		42.4		42.5	
16	04	61.5	-0.4	0.2	-0.5	0.1	-0.5	0.1	-0.5	0.1	-0.7	0.0	-0.5	0.1
16	08	61.5	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
16	12	61.6	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
16	16	61.6	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
16	20	61.7	-0.6	0.0	-0.7	-0.1	-0.7	-0.1	-0.7	-0.1	-0.9	-0.3	-0.7	-0.1

17			1.5	1.4	1.5	1.7	1.4	1.7
18			42.4	42.5	42.6	42.5	42.4	42.5
19			K	H	H	K	K	K
20			0	0	0	0	0	0
21	04	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	08	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	12	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	16	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	20	84.0	0.8	0.8	0.8	0.8	0.8	0.8

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 2

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CVA08300	CVA	-37.0	12.4	41.8	0.60	0.60	0	A883	A884	1	
			12.4	41.8	0.60	0.60	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.0		14.1		11.0		12.5		15.0		14.9	
15			40.0		40.7		42.5		43.8		44.0		42.0	
16	27	65.2	-0.1	0.9	-2.0	-1.0	-0.4	0.6	-3.3	-2.3	-2.8	-1.8	-0.9	0.1
16	31	65.3	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.7	-1.7	-0.9	0.1
16	35	65.3	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.7	-1.7	-0.9	0.1
16	39	65.4	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.8	-1.8	-0.9	0.1

17			12.0	14.1	11.0	12.5	15.0	14.9
18			40.0	40.7	42.5	43.8	44.0	42.0
19			K	K	L	L	K	K
20			0	0	0	0	0	0
21	27	84.0	15.1	14.5	16.5	13.8	15.6	17.5
21	31	84.0	14.7	14.1	16.1	13.4	15.2	17.1
21	35	84.0	13.8	13.2	15.2	12.5	14.3	16.2
21	39	84.0	13.8	13.2	15.2	12.5	14.3	16.2

1	2	3	4	5	6	7	8	9	10	11	12
CVA08500	CVA	-37.0	10.8	41.5	2.00	0.60	138	A883	A884	1	
			10.8	41.5	2.00	0.60	138	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.0		15.0		18.0		17.0		15.0		8.3	
15			47.0		42.0		40.0		38.0		37.8		38.3	
16	23	63.6	-2.5	-1.5	-2.6	-1.6	-3.6	-2.6	-0.4	0.6	1.5	2.4	-1.2	-0.2

17			12.0	15.0	18.0	17.0	15.0	8.3
18			47.0	42.0	40.0	38.0	37.8	38.3
19			K	K	L	K	K	K
20			0	0	0	0	0	0
21	23	84.0	11.5	11.6	10.1	10.8	12.2	11.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GMB30200	GMB	-37.0	-15.1	13.4	0.79	0.60	4	A883	A884	2	
			-15.1	13.4	0.79	0.60	4	A887	A882	1	

			1		2		3		4		5		6	
13														
14			-14.2		-16.5		-16.7		-14.3		-16.1		-15.6	
15			13.3		13.3		13.4		13.5		13.5		13.6	
16	03	63.4	3.2	2.4	3.8	2.8	3.6	2.7	3.7	2.7	4.2	3.0	4.6	3.3
16	07	63.4	3.1	2.3	3.7	2.7	3.5	2.6	3.7	2.7	4.1	3.0	4.5	3.2
16	11	63.4	3.1	2.3	3.7	2.7	3.5	2.6	3.7	2.7	4.1	3.0	4.6	3.3
16	15	63.5	3.1	2.3	3.7	2.7	3.6	2.7	3.7	2.7	4.1	3.0	4.6	3.3
16	19	63.5	3.6	2.7	3.9	2.9	3.7	2.7	4.1	3.0	4.3	3.1	4.8	3.4
17			-14.2		-16.5		-16.7		-14.3		-16.1		-15.6	
18			13.3		13.3		13.4		13.5		13.5		13.6	
19			K		N		N		K		K		K	
20			0		0		0		0		0		0	
21	03	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	07	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	11	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	15	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	
21	19	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6	

1	2	3	4	5	6	7	8	9	10	11	12
GUI19200	GUI	-37.0	-11.0	10.2	1.58	1.04	147	A883	A884	2	
			-11.0	10.2	1.58	1.04	147	A887	A882	1	

			1		2		3		4		5	
13												
14			-8.6		-9.1		-14.5		-13.3		-11.3	
15			8.6		11.4		11.5		12.5		10.1	
16	01	63.5	12.8	8.8	10.5	8.0	3.8	3.8	4.5	4.3	10.8	8.1
16	05	63.5	7.3	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7
16	09	63.5	7.2	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7
16	13	63.6	7.2	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7
16	17	63.7	7.3	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.9	4.7
17			-8.6		-9.1		-14.5		-13.3		-11.3	
18			8.6		11.4		11.5		12.5		10.1	
19			N		K		K		K		N	
20			0		0		0		0		0	
21	01	85.0	1.5		0.8		0.5		0.8		3.3	
21	05	85.0	-1.5		-2.1		-2.4		-2.2		0.3	
21	09	85.0	-1.5		-2.1		-2.4		-2.2		0.3	
21	13	85.0	-1.5		-2.1		-2.4		-2.2		0.3	
21	17	85.0	-1.5		-2.1		-2.4		-2.2		0.3	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LIE25300	LIE	-37.0	9.5	47.1	0.60	0.60	0	A883	A884	1	
			9.5	47.1	0.60	0.60	0	A887	A882	2	

			1		2		3		4	
13										
14			9.5		9.5		9.6		9.6	
15			47.2		47.0		47.0		47.1	
16	03	62.4	0.8	1.4	1.0	1.6	1.0	1.6	0.9	1.5
16	07	62.5	0.7	1.3	1.0	1.6	0.9	1.5	0.8	1.4
16	11	62.5	0.7	1.3	1.0	1.6	1.0	1.6	0.8	1.4
16	15	62.6	0.7	1.3	1.0	1.6	1.0	1.6	0.8	1.4
16	19	62.6	0.7	1.3	1.0	1.6	1.0	1.6	0.9	1.5
17			9.5							
18			47.1							
19			H							
20			0							
21	03	84.0	2.0							
21	07	84.0	2.0							
21	11	84.0	2.0							
21	15	84.0	2.0							
21	19	84.0	2.0							

1	2	3	4	5	6	7	8	9	10	11	12
MCO11600	MCO	-37.0	7.4	43.7	0.60	0.60	0	A883	A884	1	
			7.4	43.7	0.60	0.60	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			4.0		5.0		5.6		10.0		10.0		12.0	
15			42.0		41.5		46.0		43.5		46.0		45.0	
16	21	62.4	-2.1	-1.3	-2.1	-1.3	-9.6	-8.6	-2.8	-2.0	-4.2	-3.3	-4.9	-4.0
16	25	62.5	-1.3	-0.5	-1.5	-0.7	-8.7	-7.7	-2.6	-1.8	-3.9	-3.0	-4.7	-3.8
16	29	62.5	-1.2	-0.6	-1.5	-0.8	-8.5	-7.6	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0
16	33	62.6	-1.2	-0.6	-1.5	-0.8	-8.6	-7.7	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0
16	37	62.6	-1.3	-0.7	-1.5	-0.8	-8.8	-7.9	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0
17			7.4											
18			43.7											
19			L											
20			0											
21	21	83.0	1.8											
21	25	83.0	2.2											
21	29	83.0	0.3											
21	33	83.0	0.3											
21	37	83.0	0.3											

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 5

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLI32700	MLI	-37.0	-2.0	19.0	2.66	1.26	127	A883	A884	1	
			-2.0	19.0	2.66	1.26	127	A887	A882	2	

			1		2		3		4		5	
13												
14			-2.0		2.8		-2.5		-5.4		-5.4	
15			19.0		20.0		23.3		21.6		17.6	
16	02	63.3	11.5	6.8	9.7	6.3	8.6	5.8	11.4	6.8	10.7	6.6
16	06	63.2	11.4	6.8	9.6	6.2	8.4	5.7	11.3	6.8	10.6	6.6
16	10	63.3	11.4	6.8	9.6	6.2	8.4	5.7	11.3	6.8	10.6	6.6
16	14	63.4	11.4	6.8	9.7	6.3	8.5	5.8	11.3	6.8	10.6	6.6
16	18	63.4	11.5	6.8	9.6	6.2	8.5	5.8	11.4	6.8	10.6	6.6

17			-2.0	2.8	-2.5	-5.4	-5.4	
18			19.0	20.0	23.3	21.6	17.6	
19			C	C	A	C	E	
20			0	0	0	0	0	
21	02	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	06	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	10	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	14	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	18	87.0	1.7	-1.8	0.0	0.4	-1.0	

1	2	3	4	5	6	7	8	9	10	11	12
MLI32800	MLI	-37.0	-7.6	13.2	1.74	1.24	171	A883	A884	1	
			-7.6	13.2	1.74	1.24	171	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-12.0		-12.0		-8.3		-4.0		-5.1		-10.0	
15			15.0		13.8		11.0		13.4		13.6		15.5	
16	04	63.8	3.1	2.6	3.3	2.8	4.5	3.6	5.2	4.0	5.7	4.3	4.3	3.4
16	08	63.8	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	12	63.8	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	16	63.9	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	20	63.9	2.0	2.1	2.7	2.6	5.4	4.6	2.6	2.5	3.7	3.4	3.5	3.2

17			-12.0	-12.0	-8.3	-4.0	-5.1	-10.0	
18			15.0	13.8	11.0	13.4	13.6	15.5	
19			K	K	N	K	K	K	
20			0	0	0	0	0	0	
21	04	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	08	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	12	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	16	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	20	87.0	-0.8	0.1	0.4	1.0	1.6	-0.1	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MTN22300	MTN	-37.0	-12.2	18.5	2.62	1.87	150	A883	A884	1	
			-12.2	18.5	2.62	1.87	150	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-15.7		-12.0		-5.6		-5.2		-12.0		-16.3	
15			24.0		23.4		20.0		15.3		14.4		16.0	
16	22	62.8	7.8	6.7	8.1	6.9	7.7	6.7	0.2	0.8	3.8	3.8	5.6	5.2
16	26	62.9	7.5	6.5	7.9	6.8	7.8	6.7	0.2	0.8	3.8	3.8	5.6	5.2
16	30	62.9	7.5	5.8	7.9	6.0	7.8	6.0	0.2	0.6	3.8	3.5	5.6	4.7
16	34	63.0	7.5	5.8	7.9	6.0	7.8	6.0	0.2	0.6	3.8	3.5	5.6	4.7
16	38	63.0	4.0	3.6	3.6	3.3	5.2	4.4	0.1	0.5	3.8	3.4	5.5	4.6

17			-15.7	-12.0	-5.6	-12.0	-16.3	
18			24.0	23.4	20.0	14.4	16.0	
19			E	A	C	K	K	
20			0	0	0	0	0	
21	22	86.0	0.9	1.6	1.3	2.3	2.0	
21	26	86.0	0.9	1.7	1.3	2.3	2.0	
21	30	86.0	-0.8	-0.1	-0.5	0.5	0.2	
21	34	86.0	-0.8	-0.1	-0.5	0.5	0.2	
21	38	86.0	-0.9	-0.2	-0.6	0.5	0.2	

1	2	3	4	5	6	7	8	9	10	11	12
MTN28800	MTN	-37.0	-7.8	23.4	1.63	1.10	141	A883	A884	1	
			-7.8	23.4	1.63	1.10	141	A887	A882	2	

			1		2		3		4	
13										
14			-5.6		-12.0		-8.4		-4.5	
15			20.0		23.4		27.2		25.0	
16	24	63.0	3.5	3.9	7.5	7.0	6.0	5.9	6.0	5.9
16	28	63.0	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	32	63.1	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	36	63.1	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	40	63.2	4.3	5.2	11.6	12.2	8.6	9.4	7.1	8.0

17			-5.6	-12.0	-8.4	-4.5	
18			20.0	23.4	27.2	25.0	
19			C	A	C	A	
20			0	0	0	0	
21	24	86.0	2.7	2.7	2.5	2.8	
21	28	86.0	2.1	2.1	1.9	2.2	
21	32	86.0	2.1	2.1	1.9	2.2	
21	36	86.0	2.1	2.1	1.9	2.2	
21	40	86.0	13.3	13.3	13.2	13.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SEN22200	SEN	-37.0	-14.4	13.8	1.46	1.04	139	A883	A884	2	
			-14.4	13.8	1.46	1.04	139	A887	A882	1	

			1		2		3		4		5		6	
13														
14			-16.5		-15.0		-12.7		-12.0		-16.3		-17.7	
15			16.0		16.3		14.8		12.5		12.7		14.8	
16	29	63.7	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3
16	33	63.8	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3
16	37	63.9	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3

17		-13.4	-16.1	-16.1	-16.2	-16.2	-16.2	-16.6	-15.1	-13.2	-17.3
18		13.5	15.4	14.1	12.4	14.4	14.2	14.5	15.2	15.4	14.4
19		K	K	K	N	K	K	N	K	K	N
20		0	0	0	0	0	0	0	0	0	0
21	29 85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6
21	33 85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6
21	37 85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6

1	2	3	4	5	6	7	8	9	10	11	12
SMR31100	SMR	-37.0	12.6	43.7	0.60	0.60	0	A883	A884	1	
			12.5	43.9	0.60	0.60	0	A887	A882	2	

			1		2	
13						
14			12.3		12.0	
15			43.5		43.0	
16	01	62.4	0.8	1.0	0.3	0.6
16	05	62.5	0.3	0.4	0.0	0.2
16	09	62.5	0.3	0.4	0.0	0.2
16	13	62.6	0.3	0.5	0.0	0.2
16	17	62.7	0.3	0.5	0.0	0.2

17		12.3	12.0	
18		43.5	43.0	
19		K	K	
20		0	0	
21	01	83.0	0.2	-1.1
21	05	83.0	-0.8	-2.1
21	09	83.0	-0.8	-2.1
21	13	83.0	-0.7	-2.0
21	17	83.0	-0.7	-2.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AZR13400	POR	-31.0	-23.4	36.1	2.56	0.70	158	A883	A884	2	7.
			-23.4	36.1	2.56	0.70	158	A887	A882	2	

			1		2		3		4		5	
13												
14			-25.1		-31.0		-27.3		-28.5		-16.9	
15			37.0		39.3		38.5		38.5		32.5	
16	03	63.0	-1.4	-0.7	-1.2	-0.5	-1.3	-0.6	-0.9	-0.2	-4.9	-4.0
16	07	63.1	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	11	63.1	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	15	63.2	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	19	63.2	-1.1	-0.3	-0.6	0.2	-0.9	-0.1	-0.4	0.4	-4.7	-3.8

17		-25.1	-31.0	-27.3	-28.5	-16.9	
18		37.0	39.3	38.5	38.5	32.5	
19		F	F	F	F	H	
20		0	0	0	0	0	
21	24	84.0	4.2	1.4	3.1	2.9	1.3
21	28	84.0	4.2	1.4	3.1	2.9	1.3
21	32	84.0	4.2	1.4	3.1	2.9	1.3
21	36	84.0	4.2	1.4	3.1	2.9	1.3
21	40	84.0	6.8	3.9	5.7	5.4	3.8

1	2	3	4	5	6	7	8	9	10	11	12
BFA10700	BFA	-31.0	-1.5	12.2	1.45	1.14	29	A883	A884	1	
			-1.5	12.2	1.45	1.14	29	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-5.0		-1.5		2.5		-1.5		-2.5		-5.5	
15			10.0		12.2		13.0		12.2		9.5		12.0	
16	21	64.0	0.7	0.9	4.6	3.9	3.8	3.3	4.6	3.9	2.3	2.2	-0.3	0.1
16	25	64.0	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.7
16	29	64.1	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6
16	33	64.1	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6
16	37	64.2	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6

17		-5.0	-1.5	2.5	-2.5	-5.5	
18		10.0	12.2	13.0	9.5	12.0	
19		N	K	K	N	K	
20		0	0	0	0	0	
21	21	84.0	-1.1	2.2	-0.8	-0.9	-1.3
21	25	84.0	-1.4	1.8	-1.1	-1.2	-1.6
21	29	84.0	-1.4	1.8	-1.2	-1.2	-1.7
21	33	84.0	-1.4	1.8	-1.2	-1.2	-1.7
21	37	84.0	-1.4	1.8	-1.2	-1.2	-1.7

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CNR13000	E	-31.0	-15.7 -15.7	28.4 28.4	1.54 1.54	0.60 0.60	5 5	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
			-18.0		-13.9		-13.5		-15.4		-16.2		-18.1	
			28.7		28.0		29.2		28.1		28.4		27.7	
16	23	62.8	-3.9	-3.1	-7.6	-6.7	-12.4	-11.4	-4.2	-3.4	-3.3	-2.5	-3.7	-2.9
16	27	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9
16	31	62.9	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9
16	35	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9
16	39	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.2	-3.4	-3.2	-2.4	-3.7	-2.9

			-18.0		-13.9		-13.5		-15.4		-16.2		-18.1	
			28.7		28.0		29.2		28.1		28.4		27.7	
			E		E		E		E		E		E	
			0		0		0		0		0		0	
21	23	84.0	1.1		1.2		1.2		1.9		2.7		1.3	
21	27	84.0	1.1		1.2		1.2		1.9		2.7		1.3	
21	31	84.0	1.1		1.2		1.2		1.9		2.7		1.3	
21	35	84.0	1.1		1.2		1.2		1.9		2.7		1.3	
21	39	84.0	1.1		1.2		1.2		1.9		2.7		1.2	

1	2	3	4	5	6	7	8	9	10	11	12
CTI23700	CTI	-31.0	-5.6 -5.8	7.5 7.4	1.60 1.55	1.22 1.43	108 162	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
			-7.7		-8.7		-8.0		-6.3		-3.5		-2.5	
			4.4		6.4		10.1		10.7		9.8		8.1	
16	22	63.7	5.2	4.3	3.3	3.0	-0.1	0.2	0.0	0.3	-0.5	-0.1	-0.4	0.0
16	26	63.7	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1
16	30	63.8	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1
16	34	63.9	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1
16	38	63.9	5.2	4.3	3.3	3.0	-0.1	0.2	0.0	0.3	-0.5	-0.1	-0.3	0.1

			-4.0		-3.5		-2.6		-5.0		-6.5		-5.3	
			5.3		6.7		8.0		7.7		7.7		6.9	
			P		P		N		N		N		N	
			0		0		0		0		0		0	
21	22	84.0	-0.9		-0.2		-1.0		0.9		1.0		1.0	
21	26	84.0	-0.9		-0.2		-1.0		0.9		1.0		1.0	
21	30	84.0	-0.9		-0.2		-1.0		0.9		1.0		0.9	
21	34	84.0	-0.9		-0.2		-1.0		0.9		1.0		0.9	
21	38	84.0	-0.9		-0.2		-1.0		0.9		1.0		0.9	

			-6.6		-7.6		-7.6		-7.6		-5.6			
			4.7		7.4		9.5		9.5					
			P		P		N		N					
			0		0		0		0					
21	22	84.0	-1.2		0.3		-0.9		-0.4					
21	26	84.0	-1.2		0.3		-0.9		-0.4					
21	30	84.0	-1.2		0.3		-0.9		-0.4					
21	34	84.0	-1.2		0.3		-0.9		-0.4					
21	38	84.0	-1.2		0.3		-0.9		-0.4					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 10

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
E 12900	E	-31.0	-3.1 -3.1	39.9 39.9	2.10 2.10	1.14 1.14	154 154	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
			3.3		4.3		-2.9		-7.4		-0.6		-7.6	
			42.3		39.8		35.3		37.1		37.6		43.7	
16	23	63.9	-5.2	-4.3	-5.4	-4.5	-7.3	-6.4	-3.0	-2.2	-1.5	-0.8	-2.8	-2.0
16	27	64.0	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0
16	31	64.0	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0
16	35	64.1	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0
16	39	64.2	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.4	-0.8	-2.7	-2.0

			3.3		4.3		-2.9		-7.4		-0.6		-7.6	
			42.3		39.8		35.3		37.1		37.6		43.7	
			K		K		K		K		K		E	
			0		0		0		0		0		0	
21	01	84.0	0.7		1.0		1.0		1.0		3.2		1.5	
21	05	84.0	-0.5		-0.2		-0.2		-0.3		1.9		0.3	
21	09	84.0	-0.5		-0.2		-0.2		-0.3		1.9		0.3	
21	13	84.0	-0.5		-0.2		-0.2		-0.3		1.9		0.3	
21	17	84.0	-0.5		-0.2		-0.2		-0.3		1.9		0.3	

1	2	3	4	5	6	7	8	9	10	11	12
G 02700	G	-31.0	-3.5 -3.5	53.8 53.8	1.84 1.84	0.72 0.72	142 142	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
			1.3		-2.0		1.7		-6.3		-8.1		-0.8	
			51.1		49.1		52.4		49.9		54.4		60.8	
16	04	65.0	3.0	3.3	3.4	3.7	3.9	4.1	3.7	3.9	7.6	6.9	8.1	7.2
16	08	65.1	3.0	3.3	3.4	3.7	3.8	4.0	3.7	3.9	7.5	6.8	8.1	7.2
16	12	65.1	2.8	3.2	3.4	3.7	3.2	3.5	3.7	3.9	7.5	6.8	6.3	6.0
16	16	65.2	2.8	3.2	3.4	3.7	3.2	3.5	3.7	3.9	7.6	6.9	6.3	6.0
16	20	65.2	2.6	3.0	3.5	3.8	3.0	3.4	3.9	4.1	7.0	6.6	5.6	5.5

			-1.3		-6.9		-7.3		-5.7		-2.1		1.3	
			60.3		57.8		55.0		50.1		49.3		51.1	
			G		G		H		F		F		E	
			0		0		0		0		0		0	
21	04	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	08	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	12	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	16	84.0	2.3		2.9		3.2		2.3		3.4		2.1	
21	20	84.0	2.6		3.2		3.5		2.6		3.7		2.4	

			1.8		-0.1		-2.2		-4.3					
			52.6		51.5		53.5		55.9					
			E		E		F		H					
			0		0		0		0					
21	04	84.0	1.8		3.4		4.8		4.8					
21	08	84.0	1.8		3.4		4.8		4.8					
21	12	84.0	1.8		3.4		4.8		4.8					
21	16	84.0	1.8		3.4		4.8		4.8					
21	20	84.0	2.1		3.7		5.1		5.1					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 11

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GNB30400	GNB	-31.0	-15.0 -15.0	12.0 12.0	0.90 0.90	0.60 0.60	172 172	A883 A887	A884 A882	2 1	

			1		2		3		4		5	
13												
14			-16.3		-15.2		-14.2		-14.2		-15.7	
15			11.8		11.5		12.3		12.3		11.2	
16	02	63.2	2.7	3.3	3.2	3.8	2.3	3.0	2.3	3.0	2.4	3.0
16	06	63.2	2.6	3.2	3.1	3.7	2.2	2.9	2.2	2.9	2.4	3.0
16	10	63.2	2.6	3.2	3.1	3.7	2.2	2.9	2.2	2.9	2.4	3.0
16	14	63.3	2.6	3.2	3.2	3.8	2.2	2.9	2.2	2.9	2.4	3.0
16	18	63.3	2.9	3.6	3.4	4.1	2.5	3.2	2.5	3.2	2.7	3.4
17			-15.0									
18			12.0									
19			K									
20			0									
21	02	84.0	4.1									
21	06	84.0	4.1									
21	10	84.0	4.1									
21	14	84.0	4.1									
21	18	84.0	5.2									

1	2	3	4	5	6	7	8	9	10	11	12
ISL04900	ISL	-31.0	-19.0 -19.0	64.9 64.9	1.00 1.00	0.60 0.60	177 177	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			-23.0		-16.0		-13.5		-18.8		-22.7		-24.3	
15			66.5		66.5		65.1		63.4		63.8		65.5	
16	21	65.8	8.5	6.3	9.3	6.7	7.4	5.8	9.7	6.9	9.3	6.7	8.1	6.1
16	25	65.9	9.3	7.2	10.5	7.8	8.9	7.0	10.7	7.9	10.1	7.6	9.0	7.1
16	29	65.9	9.3	7.2	10.5	7.8	8.9	7.0	10.7	7.9	10.1	7.6	9.0	7.1
16	33	66.0	9.3	7.2	10.5	7.8	9.0	7.1	10.7	7.9	10.1	7.6	9.0	7.1
16	37	66.0	9.3	7.2	10.4	7.7	8.8	7.0	10.7	7.9	10.1	7.6	9.0	7.1
17			-21.8	-22.4	-23.5	-20.3	-18.1	-15.3	-14.4	-15.2	-19.1	-19.6		
18			64.2	65.1	66.1	65.7	65.7	66.3	65.3	64.3	63.4	64.9		
19			E	G	G	E	E	E	G	G	E	G		
20			0	0	0	0	0	0	0	0	0	0		
21	21	82.0	1.0	0.5	-0.8	1.5	1.7	0.6	-0.1	0.0	1.0	2.2		
21	25	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		
21	29	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		
21	33	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		
21	37	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 12

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRL21100	IRL	-31.0	-8.2 -8.2	53.2 53.2	0.84 0.84	0.60 0.60	162 162	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			-7.3		-6.0		-10.3		-9.8		-6.2		-5.5	
15			55.4		53.3		54.3		51.3		52.2		54.3	
16	02	64.2	8.3	6.8	7.7	6.5	9.3	7.3	8.7	7.0	7.1	6.1	6.9	6.0
16	06	64.3	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8	5.9
16	10	64.4	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8	5.9
16	14	64.4	6.1	5.4	6.2	5.5	8.2	6.7	8.3	6.8	6.0	5.4	5.0	4.7
16	18	64.5	6.2	5.5	6.3	5.6	8.4	6.9	8.6	7.0	6.1	5.5	5.1	4.8
17			-7.3	-6.0	-10.3	-9.8	-6.2	-5.5	-9.7	-8.1	-8.9			
18			55.4	53.3	54.3	51.3	52.2	54.3	53.1	51.8	52.7			
19			H	H	H	H	H	H	H	H	F			
20			0	0	0	0	0	0	0	0	0			
21	02	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	06	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	10	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	14	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	18	84.0	0.6	1.9	0.9	0.5	1.1	1.1	2.8	2.1	3.3			

1	2	3	4	5	6	7	8	9	10	11	12
LBR24400	LBR	-31.0	-9.3 -9.3	6.6 6.6	1.22 1.22	0.70 0.70	133 133	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			-10.2		-8.6		-7.4		-7.4		-9.8		-11.5	
15			8.5		7.6		5.7		4.5		5.1		6.9	
16	03	63.3	3.8	3.5	4.3	3.9	5.9	5.0	5.5	4.7	5.5	4.7	4.2	3.8
16	07	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.4	4.6	5.4	4.6	4.1	3.7
16	11	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.4	4.6	5.4	4.6	4.2	3.8
16	15	63.4	3.8	3.5	4.3	3.9	5.8	4.9	5.4	4.6	5.4	4.6	4.2	3.8
17			-10.2	-8.6	-7.4	-7.4	-9.8	-11.5						
18			8.5	7.6	5.7	4.5	5.1	6.9						
19			N	N	P	P	N	N						
20			0	0	0	0	0	0						
21	03	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						
21	07	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						
21	11	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						
21	15	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 13

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
POR13300	POR	-31.0	-8.0	39.6	0.92	0.60	112	A883	A884	2	
			-8.0	39.6	0.92	0.60	112	A887	A882	1	

			1		2		3		4	
13										
14			-8.3		-6.2		-7.0		-7.5	
15			42.1		41.6		39.0		37.2	
16	03	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	07	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	11	63.5	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	15	63.6	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9
16	19	63.6	-3.6	-2.7	-3.9	-3.0	-5.4	-4.5	-13.8	-12.8

			1	2	3
17			-8.3	-6.2	-7.0
18			42.1	41.6	39.0
19			H	H	K
20			0	0	0
21	03	84.0	-0.1	-0.9	1.2
21	07	84.0	-0.1	-0.9	1.2
21	11	84.0	-0.1	-0.9	1.2
21	15	84.0	-0.1	-0.9	1.2
21	19	84.0	3.4	2.6	4.6

1	2	3	4	5	6	7	8	9	10	11	12
SRL25900	SRL	-31.0	-11.8	8.6	0.78	0.68	114	A883	A884	1	
			-11.8	8.6	0.78	0.68	114	A887	A882	2	

			1		2		3		4	
13										
14			-13.2		-11.7		-11.7		-10.5	
15			8.5		7.0		10.0		8.5	
16	23	63.4	3.4	3.4	2.8	2.9	2.7	2.8	2.0	2.2
16	27	63.5	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
16	31	63.6	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
16	35	63.6	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2
16	39	63.7	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2

			1	2	3	4
17			-13.2	-11.7	-11.7	-10.5
18			8.5	7.0	10.0	8.5
19			N	N	N	N
20			0	0	0	0
21	23	84.0	0.5	0.2	0.9	0.9
21	27	84.0	0.5	0.2	0.9	0.9
21	31	84.0	0.5	0.2	0.9	0.9
21	35	84.0	0.5	0.2	0.9	0.9
21	39	84.0	0.5	0.2	0.9	0.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 14

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ALG25100	ALG	-25.0	4.2	33.2	2.45	1.25	172	A883	A884	1	
			1.5	27.6	3.65	2.94	135	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-2.2		-1.0		3.0		9.0		9.0		9.5	
15			35.0		36.0		36.0		37.0		35.5		30.0	
16	02	63.4	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.7	3.3	0.4	0.7
16	06	63.4	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7
16	10	63.5	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7
16	14	63.6	3.7	3.3	3.7	3.3	4.3	3.7	2.3	2.2	3.8	3.3	0.4	0.7
16	18	63.6	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7

			1	2	3	4	5	6	7	8
17			3.0	5.4	-2.2	8.5	-8.2	11.0	-0.4	6.4	3.4	9.2
18			37.0	19.3	35.0	37.0	27.4	24.0	36.0	36.2	32.3	30.1
19			K	C	K	K	C	A	K	K	E	C
20			0	0	0	0	0	0	0	0	0	0
21	02	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	06	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	10	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	14	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	18	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2

1	2	3	4	5	6	7	8	9	10	11	12
ALG25200	ALG	-25.0	1.6	25.5	3.64	2.16	152	A883	A884	1	
			1.5	27.6	3.65	2.94	135	A887	A882	2	

			1		2		3		4		5		6	
13														
14			9.5		12.0		5.0		1.6		-5.0		-9.0	
15			30.0		23.0		19.0		25.5		25.0		27.5	
16	04	62.8	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.4	6.9	10.3	6.9
16	08	62.8	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.4	6.9	10.3	6.9
16	12	62.9	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.5	6.9	10.3	6.9
16	16	63.0	3.7	3.3	3.8	3.3	5.4	4.4	11.1	7.1	10.5	6.9	10.3	6.9
16	20	63.0	4.2	4.1	4.7	4.5	4.9	4.7	10.3	8.0	7.3	6.4	4.2	4.1

			1	2	3	4	5	6	7	8
17			3.0	5.4	-2.2	8.5	-8.2	11.0	-0.4	6.4	3.4	9.2
18			37.0	19.3	35.0	37.0	27.4	24.0	36.0	36.2	32.3	30.1
19			K	C	K	K	C	A	K	K	E	C
20			0	0	0	0	0	0	0	0	0	0
21	04	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	08	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	12	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	16	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.2
21	20	84.0	1.3	1.0	1.7	0.8	1.2	1.0	1.5	1.4	2.9	2.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 15

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LBY28000	LBY	-25.0	21.4 17.5	26.0 26.3	2.50 3.68	1.04 1.84	119 130	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			18.0		24.0		25.0		25.2		22.0		20.0	
15			22.5		19.5		20.0		32.0		33.0		32.5	
16	01	63.5	5.7	5.3	6.0	5.5	6.8	6.1	4.9	4.7	4.8	4.7	5.7	5.3
16	05	63.5	4.2	3.7	4.8	4.1	5.3	4.5	3.9	3.5	3.8	3.4	4.5	3.9
16	09	63.6	4.2	3.7	4.8	4.1	5.4	4.5	3.9	3.5	3.8	3.4	4.6	4.0
16	13	63.6	4.2	3.7	4.8	4.1	5.4	4.5	3.9	3.5	3.8	3.4	4.6	4.0
16	17	63.7	4.3	3.8	4.9	4.2	5.5	4.6	4.0	3.6	3.9	3.5	4.6	4.0
17			25.0	24.5	23.6		17.2	12.3	10.1	9.6	11.5	15.1	21.4	
18			31.5	26.3	18.5		21.4	22.4	24.5	30.2	33.0	32.2	32.4	
19			E	C	C		A	A	A	C	E	E	E	
20			0	0	0		0	0	0	0	0	0	0	
21	01	84.0	1.0	2.2	1.1		2.8	1.6	1.3	1.6	1.6	2.5	1.8	
21	05	84.0	-0.9	0.3	-0.8		0.8	-0.3	-0.6	-0.3	-0.3	0.6	-0.1	
21	09	84.0	-0.9	0.3	-0.8		0.8	-0.3	-0.6	-0.3	-0.3	0.6	-0.1	
21	13	84.0	-0.9	0.3	-0.8		0.8	-0.3	-0.6	-0.3	-0.3	0.6	-0.1	
21	17	84.0	-0.9	0.3	-0.8		0.9	-0.3	-0.6	-0.3	-0.3	0.6	-0.1	

1	2	3	4	5	6	7	8	9	10	11	12
LBY32100	LBY	-25.0	13.1 17.5	27.2 26.3	2.36 3.68	1.12 1.84	129 130	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			18.0		14.0		10.0		9.2		9.2		11.4	
15			22.5		22.5		24.5		26.5		30.0		33.5	
16	03	63.0	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.3	2.5
16	07	63.1	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	11	63.1	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	15	63.2	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	19	63.3	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.4	2.5
17			25.0	24.5	23.6		17.2	12.3	10.1	9.6	11.5	15.1	21.4	
18			31.5	26.3	18.5		21.4	22.4	24.5	30.2	33.0	32.2	32.4	
19			E	C	C		A	A	A	C	E	E	E	
20			0	0	0		0	0	0	0	0	0	0	
21	03	84.0	0.0	1.3	0.2		1.8	0.7	0.3	0.6	0.6	1.6	0.9	
21	07	84.0	0.0	1.3	0.2		1.8	0.7	0.3	0.6	0.6	1.6	0.9	
21	11	84.0	0.0	1.3	0.2		1.8	0.7	0.3	0.6	0.6	1.6	0.9	
21	15	84.0	0.0	1.3	0.2		1.8	0.7	0.3	0.6	0.6	1.6	0.9	
21	19	84.0	0.0	1.3	0.2		1.8	0.7	0.3	0.6	0.6	1.6	0.9	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 16

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GHA10800	GHA	-25.0	-1.2 -1.2	7.9 7.9	1.48 1.48	1.06 1.06	102 102	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			-2.9		-3.3		1.2		0.1		-1.4		-3.0	
15			11.0		6.6		6.1		11.0		7.4		5.1	
16	23	63.6	4.2	4.5	6.1	6.1	3.7	4.1	2.8	3.3	7.0	6.8	5.6	5.7
16	27	63.7	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	31	63.7	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	35	63.8	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	39	63.8	4.1	4.5	5.7	5.8	3.5	3.9	2.7	3.2	6.8	6.7	5.2	5.4
17			-2.9	-3.3	1.2		0.1	-1.4	-3.0					
18			11.0	6.6	6.1		11.0	7.4	5.1					
19			N	P	N		K	P	N					
20			0	0	0		0	0	0					
21	23	83.0	3.4	4.0	3.7		3.5	6.8	3.1					
21	27	83.0	3.4	4.0	3.7		3.5	6.8	3.1					
21	31	83.0	3.4	4.0	3.7		3.5	6.8	3.1					
21	35	83.0	3.4	4.0	3.7		3.5	6.8	3.1					
21	39	83.0	3.4	4.0	3.7		3.5	6.8	3.1					

1	2	3	4	5	6	7	8	9	10	11	12
NGR11500	NGR	-25.0	8.3 8.3	16.8 16.8	2.54 2.54	2.08 2.08	44 44	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			2.1		4.2		12.0		15.6		13.0		8.0	
15			13.5		19.1		23.5		20.0		13.0		17.0	
16	24	64.5	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	28	64.5	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	32	64.6	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	36	64.7	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	40	64.7	9.9	9.6	10.1	9.8	9.7	9.5	7.8	8.0	4.7	5.3	14.4	12.4
17			2.1	4.2	12.0		15.6	13.0	8.0					
18			13.5	19.1	23.5		20.0	13.0	17.0					
19			K	C	A		C	K	C					
20			0	0	0		0	0	0					
21	24	85.0	6.9	6.9	5.7		6.8	5.5	9.0					
21	28	85.0	6.9	6.9	5.7		6.8	5.5	9.0					
21	32	85.0	6.9	6.9	5.7		6.8	5.5	9.0					
21	36	85.0	6.9	6.9	5.7		6.8	5.5	9.0					
21	40	85.0	7.0	6.9	5.7		6.9	5.5	9.1					

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TUN15000	TUN	-25.0	9.5	33.5	1.88	0.72	135	A883	A884	1	
			9.5	33.5	1.88	0.72	135	A887	A882	2	

			1		2		3		4		5		6	
13														
14			9.0		12.0		7.0		10.0		7.0		12.0	
15			38.0		37.5		34.0		29.0		36.0		32.0	
16	22	63.8	5.2	5.9	3.6	4.4	8.2	8.6	6.3	6.9	7.4	7.9	9.5	9.7
16	26	63.9	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
16	30	63.9	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
16	34	64.0	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
17			9.0	12.0	7.0	10.0	7.0	12.0						
18			38.0	37.5	34.0	29.0	36.0	32.0						
19			K	K	E	C	K	E						
20			0	0	0	0	0	0						
21	22	84.0	10.6	7.7	12.2	9.9	12.3	12.6						
21	26	84.0	10.6	7.7	12.2	9.9	12.4	12.6						
21	30	84.0	10.6	7.7	12.2	9.9	12.4	12.6						
21	34	84.0	10.6	7.7	12.2	9.9	12.4	12.6						

1	2	3	4	5	6	7	8	9	10	11	12
TUN27200	TUN	-25.0	2.5	32.0	3.59	1.75	175	A883	A884	1	
			2.5	32.0	3.59	1.75	175	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-10.0		-5.0		10.0		15.0		10.0		-5.0	
15			30.0		36.0		38.0		33.0		28.0		29.5	
16	38	61.9	-1.1	-0.2	2.6	3.3	3.6	4.3	7.1	7.4	4.4	5.0	1.4	2.2
17			-10.0	-5.0	10.0	15.0	10.0	-5.0						
18			30.0	36.0	38.0	33.0	28.0	29.5						
19			E	K	K	E	C	C						
20			0	0	0	0	0	0						
21	38	84.0	6.1	6.6	5.6	7.0	6.4	7.7						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUT01600	AUT	-19.0	12.2	47.5	1.14	0.63	166	A883	A884	2	
			12.2	47.5	1.14	0.63	166	A887	A882	1	

			1		2		3		4		5		6	
13														
14			17.1		15.0		13.0		9.4		10.9		14.6	
15			48.0		49.0		48.2		47.2		46.7		46.4	
16	04	64.1	0.1	0.2	0.2	0.3	1.5	1.3	0.2	0.3	1.1	1.0	1.2	1.1
16	08	64.2	0.1	0.2	0.2	0.3	1.5	1.3	0.1	0.2	1.1	1.0	1.2	1.1
16	12	64.2	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.5	1.3	1.6	1.4
16	16	64.3	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.5	1.3	1.6	1.4
16	20	64.3	0.8	0.9	1.3	1.3	2.5	2.2	0.7	0.8	1.7	1.6	1.7	1.6
17			9.6	17.1	15.1	14.7	16.0	13.9	9.5	14.5	16.4	12.2		
18			47.2	48.1	49.0	46.5	46.7	48.8	47.0	48.0	48.1	47.5		
19			H	K	H	K	K	H	H	H	K	H		
20			0	0	0	0	0	0	0	0	0	0		
21	04	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	08	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	12	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	16	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	20	84.0	0.1	-1.8	-1.4	-0.6	-1.5	-0.8	-0.1	0.3	-1.2	1.2		

1	2	3	4	5	6	7	8	9	10	11	12
BEL01800	BEL	-19.0	4.6	50.6	0.82	0.60	167	A883	A884	1	
			4.6	50.6	0.82	0.60	167	A887	A882	2	

			1		2		3		4		5		6	
13														
14			2.5		3.4		4.8		5.8		6.4		5.6	
15			51.0		51.4		51.5		51.2		50.3		49.5	
16	21	64.2	4.7	4.9	4.6	4.8	3.7	4.0	2.5	3.0	0.5	1.2	1.0	1.6
16	25	64.1	1.4	2.0	1.6	2.2	1.2	1.8	0.5	1.2	-1.0	-0.2	-0.7	0.0
16	29	63.5	0.8	1.4	0.9	1.5	0.5	1.2	-0.1	0.6	-1.6	-0.8	-1.3	-0.5
16	33	63.9	1.1	1.7	1.3	1.9	0.9	1.5	0.2	0.9	-1.3	-0.5	-1.0	-0.2
16	37	64.4	1.5	2.1	1.7	2.3	1.3	1.9	0.6	1.3	-0.8	0.0	-0.5	0.2
17			2.5	3.4	4.8	5.8	6.4	5.6						
18			51.0	51.4	51.5	51.2	50.3	49.5						
19			E	E	E	E	E	E						
20			0	0	0	0	0	0						
21	21	84.0	2.4	3.0	3.4	3.7	3.0	2.6						
21	25	84.0	2.5	3.1	3.5	3.8	3.1	2.7						
21	29	84.0	2.5	3.1	3.5	3.8	3.1	2.7						
21	33	84.0	2.5	3.1	3.5	3.8	3.1	2.7						
21	37	84.0	2.5	3.1	3.5	3.8	3.1	2.7						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 19

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BEN23300	BEN	-19.0	2.2	9.5	1.44	0.68	97	A883	A884	2	
			2.2	9.5	1.44	0.68	97	A887	A882	1	

			1		2		3		4		5		6	
13														
14			2.2		2.0		2.3		3.4		1.0		3.2	
15			6.2		7.1		9.2		10.5		10.4		11.5	
16	03	63.3	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	07	63.3	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	11	63.4	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	15	63.4	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	19	63.4	1.9	2.0	3.7	3.4	5.4	4.6	5.0	4.4	3.2	3.1	5.2	4.5

17			2.2		2.0		2.3		3.4		1.0		3.2	
18			6.2		7.1		9.2		10.5		10.4		11.5	
19			N		P		N		K		N		K	
20			0		0		0		0		0		0	
21	03	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	07	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	11	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	15	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	19	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	

1	2	3	4	5	6	7	8	9	10	11	12
D 08700	D	-19.0	9.6	49.9	1.62	0.72	147	A883	A884	2	9.
			9.6	49.9	1.62	0.72	147	A887	A882	1	

			1		2		3		4		5		6	
13														
14			13.2		7.0		5.9		7.8		13.8		10.0	
15			52.5		53.7		50.7		47.6		49.0		54.8	
16	02	65.5	1.7	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.2	0.5
16	06	65.6	1.6	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.1	0.4
16	10	65.6	1.7	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.1	0.4
16	14	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4	0.0	-0.3
16	18	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4	0.0	-0.3

17			13.2		7.0		5.9		7.8		13.8		10.0	
18			52.5		53.7		50.7		47.6		49.0		54.8	
19			E		E		E		H		H		E	
20			0		0		0		0		0		0	
21	02	84.0	-4.6		-3.1		-2.6		-3.3		-3.0		-3.8	
21	06	84.0	-4.6		-3.1		-2.6		-3.3		-3.0		-3.8	
21	10	84.0	-4.6		-3.1		-2.6		-3.3		-3.0		-3.8	
21	14	84.0	-4.6		-3.1		-2.6		-3.3		-3.0		-3.8	
21	18	84.0	-4.6		-3.1		-2.6		-3.3		-3.0		-3.8	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 20

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
F 09300	F	-19.0	2.6	45.9	2.50	0.98	160	A883	A884	1	
			2.6	45.9	2.50	0.98	160	A887	A882	2	

			1		2		3		4		5		6	
13														
14			2.5		8.1		9.5		3.0		-1.9		-4.5	
15			51.2		49.1		41.2		42.5		43.3		48.5	
16	01	63.8	4.4	4.1	1.8	2.1	-1.1	-0.5	6.0	5.3	8.0	6.5	9.3	7.2
16	05	63.8	2.7	2.3	0.1	0.3	-1.8	-1.4	4.0	3.2	5.1	3.9	6.0	4.4
16	09	63.9	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9	6.1	4.4
16	13	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9	6.1	4.4
16	17	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.1	3.2	5.1	3.9	6.1	4.4

17			2.5		8.1		9.5		3.0		-1.9		-4.5	
18			51.2		49.1		41.2		42.5		43.3		48.5	
19			E		H		K		K		H		H	
20			0		0		0		0		0		0	
21	01	84.0	0.3		0.1		0.4		1.9		0.6		1.9	
21	05	84.0	-2.0		-2.2		-1.9		-0.4		-1.7		-0.4	
21	09	84.0	-2.0		-2.2		-1.9		-0.4		-1.7		-0.4	
21	13	84.0	-2.0		-2.2		-1.9		-0.4		-1.7		-0.4	
21	17	84.0	-2.0		-2.2		-1.9		-0.4		-1.7		-0.4	

1	2	3	4	5	6	7	8	9	10	11	12
GNE30300	GNE	-19.0	10.3	1.5	0.68	0.60	10	A883	A884	2	
			10.3	1.5	0.68	0.60	10	A887	A882	1	

			1		2		3		4		5	
13												
14			9.6		11.3		11.3		9.8		11.3	
15			1.2		1.2		2.4		2.4		1.8	
16	23	63.8	2.3	2.9	0.7	1.4	0.1	0.9	1.3	2.0	0.9	1.6
16	27	63.8	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	31	63.9	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	35	63.9	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	39	64.0	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6

17			9.6		11.3		11.3		9.8		11.3
18			1.2		1.2		2.4		2.4		1.8
19			P		P		P		P		P
20			0		0		0		0		0
21	23	84.0	6.1		5.2		3.8		4.1		5.3
21	27	84.0	6.1		5.2		3.8		4.1		5.3
21	31	84.0	6.1		5.2		3.8		4.1		5.3
21	35	84.0	6.1		5.2		3.8		4.1		5.3
21	39	84.0	6.1		5.2		3.8		4.1		5.3

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 21

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
HOL21300	HOL	-19.0	5.4	52.0	0.76	0.60	171	A883	A884	1	
			5.4	52.0	0.76	0.60	171	A887	A882	2	

			1		2		3		4		5		6	
13														
14			3.1		6.2		7.2		7.3		6.6		5.1	
15			51.2		50.6		52.2		53.3		53.7		53.4	
16	23	64.4	1.5	1.8	-0.2	0.3	1.4	1.8	2.1	2.4	2.3	2.5	2.3	2.5
16	27	64.5	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6
16	31	64.6	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6
16	35	64.6	2.1	2.4	0.5	1.0	1.8	2.1	2.2	2.4	2.3	2.5	2.5	2.7
16	39	64.7	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6

			3.1	6.2	7.2	7.3	6.6	5.1
17								
18			51.2	50.6	52.2	53.3	53.7	53.4
19			E	E	E	E	E	E
20			0	0	0	0	0	0
21	23	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	27	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	31	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	35	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	39	84.0	1.0	0.4	1.7	1.1	0.7	1.0

1	2	3	4	5	6	7	8	9	10	11	12
I 08200	I	-19.0	12.3	41.3	2.38	0.98	137	A883	A884	2	
			12.3	41.3	2.38	0.98	137	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.6		8.2		6.6		8.3		13.7		18.6	
15			35.4		39.0		45.1		46.5		46.5		40.0	
16	24	64.1	3.2	3.3	6.2	5.6	3.9	3.9	3.6	3.7	4.1	4.1	4.5	4.4
16	28	64.2	3.3	3.4	6.1	5.6	4.3	4.2	4.0	4.0	4.3	4.2	4.7	4.5
16	32	64.2	3.3	3.4	6.1	5.6	4.3	4.2	4.0	4.0	4.3	4.2	4.7	4.5
16	36	64.3	3.3	3.4	6.1	5.6	4.0	4.0	3.5	3.6	4.0	4.0	4.7	4.5
16	40	64.3	3.8	4.1	9.0	8.1	6.6	6.4	5.5	5.6	6.0	6.0	6.4	6.3

			12.6	8.2	6.6	8.3	13.7	18.6
17								
18			35.4	39.0	45.1	46.5	46.5	40.0
19			E	K	L	H	K	L
20			0	0	0	0	0	0
21	24	84.0	1.6	0.8	1.3	2.1	2.2	1.0
21	28	84.0	1.6	0.8	1.3	2.1	2.2	1.0
21	32	84.0	1.6	0.8	1.3	2.1	2.2	1.0
21	36	84.0	1.6	0.8	1.3	2.0	2.2	1.0
21	40	84.0	3.6	2.7	3.3	4.0	4.2	2.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 22

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LUX11400	LUX	-19.0	6.0	49.8	0.68	0.68	0	A883	A884	1	
			6.0	49.8	0.68	0.68	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			6.0		3.9		4.8		7.0		6.5		6.0	
15			49.7		49.5		47.6		48.5		49.8		50.1	
16	03	62.9	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.7	-3.0	0.6	0.7	1.2	1.2
16	07	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	11	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	15	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	19	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1

			6.0	3.9	4.8	7.0	6.5	6.0
17								
18			49.7	49.5	47.6	48.5	49.8	50.1
19			E	H	H	H	E	E
20			0	0	0	0	0	0
21	03	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	07	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	11	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	15	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	19	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2

1	2	3	4	5	6	7	8	9	10	11	12
SUI14000	SUI	-19.0	8.2	46.6	0.98	0.70	171	A883	A884	2	9.
			8.2	46.6	0.98	0.70	171	A887	A882	1	

			1		2		3		4		5		6	
13														
14			6.0		6.9		8.5		10.4		9.0		7.1	
15			46.1		47.3		47.8		46.9		45.7		45.9	
16	22	64.1	1.8	2.4	1.5	2.1	1.6	2.2	1.5	2.1	2.0	2.5	2.3	2.8
16	26	64.1	1.8	2.4	1.5	2.1	1.6	2.2	1.5	2.1	2.0	2.5	2.3	2.8
16	30	64.2	1.9	2.4	1.6	2.2	1.7	2.3	1.6	2.2	2.1	2.6	2.4	2.9
16	34	64.3	2.3	2.8	2.2	2.7	2.2	2.7	1.8	2.4	2.2	2.7	2.7	3.2
16	38	64.3	2.2	2.7	2.2	2.7	2.5	3.0	2.1	2.6	2.4	2.9	2.7	3.2

			6.0	6.9	8.5	10.4	9.0	7.1
17								
18			46.1	47.3	47.8	46.9	45.7	45.9
19			H	H	H	H	K	H
20			0	0	0	0	0	0
21	22	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	26	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	30	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	34	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	38	84.0	2.5	2.6	2.5	2.6	2.7	3.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 23

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ZAI32200	ZAI	-19.0	22.4	0.0	2.16	1.88	48	A883	A884	1	
			22.4	0.0	2.16	1.88	48	A887	A882	2	

			1		2		3		4		5		6	
13														
14			27.5		31.5		21.5		24.0		16.0		19.5	
15			3.0		2.2		-3.5		-4.0		-2.0		5.0	
16	04	64.8	10.1	3.1	7.1	2.4	10.6	3.1	10.6	3.1	4.7	1.6	4.0	1.3
16	08	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	12	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	16	64.9	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	20	64.9	10.7	3.2	7.1	2.5	11.8	3.4	11.2	3.3	6.4	2.3	6.7	2.4

			1	2	3	4	5	6
17			27.5	31.5	21.5	24.0	16.0	19.5
18			3.0	2.2	-3.5	-4.0	-2.0	5.0
19			N	K	N	N	N	P
20			0	0	0	0	0	0
21	04	84.0	-4.5	-6.2	-3.9	-4.7	-5.1	-6.2
21	08	84.0	-4.5	-6.2	-3.9	-4.7	-5.1	-6.2
21	12	84.0	-4.5	-6.2	-3.9	-4.7	-5.1	-6.2
21	16	84.0	-4.5	-6.2	-3.9	-4.7	-5.1	-6.2
21	20	84.0	-4.4	-6.1	-3.8	-4.6	-5.0	-6.1

1	2	3	4	5	6	7	8	9	10	11	12
ZAI32300	ZAI	-19.0	21.3	-6.8	2.80	1.52	149	A883	A884	1	
			21.3	-6.8	2.80	1.52	149	A887	A882	2	

			1		2		3		4		5		6	
13														
14			30.0		16.3		12.0		22.1		29.8		30.7	
15			-4.2		-1.0		-5.6		-11.1		-13.5		-8.2	
16	02	64.7	2.8	0.1	0.7	-0.9	3.7	0.5	6.2	1.3	3.0	0.2	7.0	1.5
16	06	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	2.9	0.2	6.9	1.5
16	10	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
16	14	64.8	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
16	18	64.9	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5

			1	2	3	4	5	6
17			12.0	22.1	29.8	30.7		
18			-5.6	-11.1	-13.5	-8.2		
19			K	K	J	J		
20			0	0	0	0		
21	02	84.0	-6.1	-5.8	-7.4	-5.1		
21	06	84.0	-6.1	-5.8	-7.4	-5.1		
21	10	84.0	-6.1	-5.8	-7.4	-5.1		
21	14	84.0	-6.1	-5.8	-7.4	-5.1		
21	18	84.0	-6.1	-5.8	-7.4	-5.1		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 24

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AGL29500	AGL	-13.0	16.5	-12.0	3.09	2.26	84	A883	A884	1	
			16.5	-12.0	3.09	2.26	84	A887	A882	2	

			1		2		3		4		5	
13												
14			12.0		12.5		20.0		24.0		23.0	
15			-17.5		-6.5		-6.0		-11.0		-17.5	
16	23	64.1	12.9	8.9	7.0	6.1	10.1	7.8	8.8	7.2	12.6	8.8
16	27	64.2	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.2	12.6	8.8
16	31	64.2	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.2	12.6	8.8
16	35	64.3	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.2	12.6	8.8
16	39	64.4	13.0	9.0	6.9	6.0	10.0	7.8	8.8	7.2	12.6	8.8

			1	2	3	4	5
17			12.0	12.5	20.0	24.0	23.0
18			-17.5	-6.5	-6.0	-11.0	-17.5
19			E	K	N	K	E
20			0	0	0	0	0
21	23	84.0	1.0	1.7	1.4	0.6	0.9
21	27	84.0	1.0	1.7	1.4	0.6	0.9
21	31	84.0	1.0	1.7	1.4	0.6	0.9
21	35	84.0	1.0	1.7	1.4	0.6	0.9
21	39	84.0	1.0	1.7	1.4	0.6	0.9

1	2	3	4	5	6	7	8	9	10	11	12
CAF25800	CAF	-13.0	21.0	6.3	2.25	1.68	31	A883	A884	2	
			21.0	6.3	2.25	1.68	31	A887	A882	1	

			1		2		3		4		5		6	
13														
14			15.5		14.6		16.5		27.5		23.2		22.0	
15			7.5		6.1		2.1		5.0		11.0		10.7	
16	24	64.3	3.4	3.9	4.7	5.1	7.8	7.6	2.9	3.5	0.4	1.2	1.0	1.7
16	28	64.3	3.4	3.9	4.7	5.1	7.8	7.6	2.8	3.4	0.4	1.2	0.9	1.6
16	32	64.4	3.4	3.9	4.7	5.1	7.8	7.6	2.9	3.5	0.4	1.2	0.9	1.6
16	36	64.4	3.4	3.9	4.7	5.1	7.8	7.6	2.9	3.5	0.4	1.2	0.9	1.6
16	40	64.5	3.6	4.1	4.8	5.2	8.1	7.8	3.1	3.7	0.6	1.3	1.1	1.8

			1	2	3	4	5	6
17			15.5	14.6	16.5	27.5	23.2	22.0
18			7.5	6.1	2.1	5.0	11.0	10.7
19			N	P	P	N	K	K
20			0	0	0	0	0	0
21	24	84.0	4.3	4.3	4.4	3.8	4.2	4.4
21	28	84.0	4.3	4.3	4.4	3.8	4.2	4.4
21	32	84.0	4.3	4.3	4.4	3.8	4.2	4.4
21	36	84.0	4.3	4.3	4.4	3.8	4.2	4.4
21	40	84.0	4.3	4.3	4.4	3.8	4.2	4.4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CME30000	CME	-13.0	12.7	6.2	2.54	1.68	87	A883	A884	1	
			12.7	6.2	2.54	1.68	87	A887	A882	2	

			1		2		3		4		5		6	
13														
14			14.2		15.6		15.6		16.2		8.8		8.5	
15			13.2		10.0		7.7		1.4		2.2		4.8	
16	01	63.5	3.7	4.0	5.8	5.8	7.3	6.9	5.1	5.2	8.3	7.6	10.4	8.9
16	05	63.5	3.4	2.7	5.1	3.7	5.9	4.2	1.1	1.0	4.7	3.5	8.3	5.3
16	09	63.5	3.4	2.7	5.1	3.7	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
16	13	63.6	3.4	2.7	5.2	3.8	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
16	17	63.6	3.4	2.7	5.2	3.8	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
17			14.2		15.6		15.7		16.2		8.8		8.5	
18			13.2		10.0		7.7		1.4		2.2		4.8	
19			K		N		N		P		N		P	
20			300		200		800		250		80		80	
21	01	84.0	2.8		4.3		4.8		2.6		3.2		3.6	
21	05	84.0	-2.2		-0.7		-0.2		-2.5		-1.8		-1.5	
21	09	84.0	-2.2		-0.7		-0.2		-2.5		-1.8		-1.5	
21	13	84.0	-2.2		-0.7		-0.2		-2.5		-1.8		-1.5	
21	17	84.0	-2.2		-0.7		-0.2		-2.5		-1.8		-1.5	

1	2	3	4	5	6	7	8	9	10	11	12
COG23500	COG	-13.0	14.6	-0.7	2.02	1.18	59	A883	A884	2	
			14.6	-0.7	2.02	1.18	59	A887	A882	1	

			1		2		3		4		5		6	
13														
14			18.5		12.6		13.5		10.6		15.3		18.9	
15			4.3		2.4		-1.6		-3.4		-4.3		2.0	
16	22	63.8	0.5	1.3	-1.6	-0.7	6.6	6.7	4.9	5.3	4.9	5.3	3.8	4.3
16	26	63.8	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1
16	30	63.9	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1
16	34	63.9	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1
16	38	64.0	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1
17			13.5		10.6		15.3							
18			-1.6		-3.4		-4.3							
19			N		N		N							
20			0		0		0							
21	22	84.0	7.0		4.1		4.0							
21	26	84.0	7.0		4.1		4.0							
21	30	84.0	7.0		4.1		4.0							
21	34	84.0	7.0		4.1		4.0							
21	38	84.0	7.0		4.1		4.0							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GAB26000	GAB	-13.0	11.8	-0.6	1.43	1.12	64	A883	A884	1	
			11.8	-0.6	1.43	1.12	64	A887	A882	2	

			1		2		3		4		5		6	
13														
14			9.0		11.5		12.5		11.8		13.0		11.0	
15			-1.0		1.0		2.0		-0.6		-2.0		-4.0	
16	03	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.2	3.8	2.7	3.4
16	07	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	11	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	15	63.5	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	19	63.6	4.0	4.8	5.5	6.2	4.6	5.3	5.6	6.2	3.2	4.0	2.6	3.4
17			9.0		11.5		12.5		11.8		13.0		11.0	
18			-1.0		1.0		2.0		-0.6		-2.0		-4.0	
19			N		P		P		P		N		N	
20			0		0		0		0		0		0	
21	03	84.0	5.4		7.2		6.1		8.5		6.6		4.9	
21	07	84.0	5.4		7.2		6.1		8.5		6.6		4.9	
21	11	84.0	5.4		7.2		6.1		8.5		6.6		4.9	
21	15	84.0	5.4		7.2		6.1		8.5		6.6		4.9	
21	19	84.0	7.9		9.6		8.6		11.0		9.1		7.3	

1	2	3	4	5	6	7	8	9	10	11	12
MLT14700	MLT	-13.0	14.3	35.9	0.60	0.60	0	A883	A884	1	
			14.3	35.9	0.60	0.60	0	A887	A882	2	

			1
13			
14			14.4
15			35.9
16	04	61.0	0.4 1.4
16	08	61.0	0.4 1.4
16	12	61.1	0.4 1.4
16	16	61.2	0.4 1.4
17			14.4
18			35.9
19			K
20			0
21	04	84.0	11.2
21	08	84.0	11.2
21	12	84.0	11.2
21	16	84.0	11.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 27

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TCD14300	TCD	-13.0	18.1 18.1	15.5 15.5	3.40 3.40	1.72 1.72	107 107	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			14.0		15.5		23.8		16.5		23.0		20.0	
15			14.5		22.8		19.3		8.2		11.9		22.0	
16	02	64.0	6.6	5.9	7.3	6.4	8.4	7.1	4.7	4.6	9.4	7.6	8.4	7.1
16	06	64.0	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.3	7.6	8.3	7.0
16	10	64.1	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6	8.3	7.0
16	14	64.1	6.6	5.9	7.2	6.3	8.4	7.1	4.7	4.6	9.4	7.6	8.4	7.1
16	18	64.2	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6	8.4	7.1

17			14.0	15.5	23.8	16.5	23.0	20.0				
18			14.5	22.8	19.3	8.2	11.9	22.0				
19			E	A	C	N	K	A				
20			0	0	0	0	0	0				
21	02	84.0	2.5	2.1	0.9	1.9	2.1	2.6				
21	06	84.0	2.5	2.1	0.9	1.9	2.1	2.6				
21	10	84.0	2.5	2.1	0.9	1.9	2.1	2.6				
21	14	84.0	2.5	2.1	0.9	1.9	2.1	2.6				
21	18	84.0	2.5	2.1	0.9	1.9	2.1	2.6				

1	2	3	4	5	6	7	8	9	10	11	12
ALB29600	ALB	-7.0	19.8 20.1	41.3 41.0	0.68 1.17	0.60 0.65	146 128	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			19.8		19.3		19.4		20.3		21.0		20.7	
15			42.6		41.8		40.4		39.7		40.9		42.0	
16	22	63.8	-2.0	-1.1	-0.1	0.8	0.8	1.7	-0.6	0.3	0.3	1.2	-0.1	0.8
16	26	63.8	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	30	63.9	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	34	63.9	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	38	64.0	-2.3	-1.3	-0.5	0.5	0.1	1.1	-1.3	-0.3	-0.3	0.7	-0.5	0.5

17			19.7	19.4	19.3	20.2	21.1	20.5				
18			42.7	42.4	40.5	39.7	40.7	42.2				
19			K	K	L	L	L	K				
20			0	0	0	0	0	0				
21	21	84.0	7.0	7.0	7.0	7.4	7.0	7.3				
21	25	84.0	13.5	13.6	13.6	14.0	13.6	13.9				
21	29	84.0	13.7	13.7	13.7	14.1	13.8	14.0				
21	33	84.0	13.7	13.7	13.7	14.1	13.8	14.0				
21	37	84.0	13.7	13.7	13.7	14.1	13.8	14.0				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 28

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
EGY02600	EGY	-7.0	29.7 29.7	26.8 26.8	2.33 2.33	1.72 1.72	136 136	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			24.8		24.8		33.7		36.0		35.0		34.5	
15			31.8		21.8		21.6		23.3		29.4		31.7	
16	04	63.1	3.7	4.3	5.0	5.5	1.5	2.3	-0.3	0.5	1.5	2.3	1.3	2.1
16	08	63.2	3.7	4.3	4.9	5.4	1.5	2.3	-0.2	0.6	1.4	2.2	1.2	2.0
16	12	63.2	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	16	63.3	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	20	63.3	3.5	4.2	5.3	5.8	1.5	2.3	-0.2	0.7	1.3	2.1	0.9	1.7

17			24.8	24.8	33.7	36.0	35.0	34.5	31.3	31.1	33.0	28.5		
18			31.8	21.8	21.6	23.3	29.4	31.7	30.0	27.2	24.1	28.0		
19			E	A	A	A	C	E	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	04	86.0	5.1	5.0	5.3	5.4	6.6	5.8	7.5	8.4	7.2	8.4		
21	08	86.0	5.1	5.0	5.3	5.4	6.6	5.8	7.5	8.4	7.2	8.4		
21	12	86.0	5.1	5.0	5.2	5.4	6.6	5.8	7.5	8.4	7.2	8.3		
21	16	86.0	5.1	5.0	5.2	5.4	6.6	5.8	7.5	8.4	7.2	8.3		
21	20	86.0	5.8	5.7	6.0	6.1	7.3	6.5	8.2	9.1	7.9	9.1		

1	2	3	4	5	6	7	8	9	10	11	12
SDN23000	SDN	-7.0	29.2 29.9	7.5 9.8	2.34 2.95	1.12 2.17	148 123	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			36.0		34.0		30.0		23.0		23.5		30.0	
15			4.6		8.5		10.0		11.0		8.7		4.0	
16	23	64.4	3.7	3.7	2.3	2.6	2.1	2.4	1.0	1.4	1.2	1.6	1.4	1.8
16	27	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	31	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	35	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	39	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7

17			36.0	34.0	30.0	23.0	28.2	30.5	32.6	
18			4.6	8.5	10.0	10.7	4.2	3.6	15.6	
19			J	J	K	K	N	K	C	
20			0	0	0	0	0	0	0	
21	23	86.0	0.6	2.4	3.3	0.9	0.9	0.9	0.8	
21	27	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8	
21	31	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8	
21	35	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8	
21	39	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 29

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SDN23100	SDN	-7.0	28.9 29.9	12.7 12.9	2.26 2.64	1.96 2.08	159 155	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			34.0		36.8		32.0		23.0		22.0		23.0	
15			8.5		16.0		16.0		15.6		13.0		10.7	
16	22	63.5	-1.7	-0.9	-1.1	-0.3	1.7	2.3	2.1	2.7	1.1	1.8	1.2	1.9
16	26	63.5	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
16	30	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
16	34	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
16	38	63.7	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8

17			34.0	36.8	32.6	23.0	23.0	23.5	30.0			
18			8.5	16.0	15.6	15.6	13.0	10.7	10.0			
19			J	C	C	C	K	N	K			
20			0	0	0	0	0	0	0			
21	22	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7			
21	26	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7			
21	30	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7			
21	34	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7			
21	38	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7			

1	2	3	4	5	6	7	8	9	10	11	12
SDN23200	SDN	-7.0	30.4 29.6	19.0 18.4	2.44 2.54	1.52 2.09	176 167	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			36.8		38.5		35.5		25.0		24.0		32.0	
15			16.0		18.0		23.0		22.0		15.8		16.0	
16	24	63.3	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.2	0.5	2.7	3.1
16	28	63.3	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
16	32	63.4	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
16	36	63.4	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
16	40	63.5	3.3	3.6	5.8	5.7	5.3	5.3	1.8	2.3	0.0	0.7	3.0	3.4

17			36.8	38.5	35.5	25.0	24.0	23.0	32.6	
18			16.0	18.0	23.0	22.0	20.0	15.6	15.6	
19			C	C	A	A	C	E	E	
20			0	0	0	0	0	0	0	
21	24	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0	
21	28	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0	
21	32	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0	
21	36	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0	
21	40	86.0	2.2	2.2	2.2	2.5	3.2	2.6	3.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 30

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
YUG14800	YUG	-7.0	18.4 18.6	43.7 43.8	1.68 2.21	0.66 0.92	154 156	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			13.4		21.0		20.1		16.1		22.7		23.0	
15			46.4		40.6		46.3		42.9		44.5		43.1	
16	21	65.2	-1.4	-0.7	2.7	3.0	0.2	0.8	4.6	4.6	0.8	1.4	1.8	2.3
16	25	65.3	-1.4	-0.7	4.3	4.2	0.5	1.0	4.5	4.4	2.6	2.8	4.3	4.2
16	29	65.3	-1.7	-1.0	3.7	3.7	-0.9	-0.3	4.0	4.0	0.2	0.7	2.0	2.3
16	33	65.4	-1.7	-1.0	3.7	3.7	-0.9	-0.3	4.0	4.0	0.2	0.7	2.0	2.3
16	37	65.4	-1.7	-1.0	3.6	3.6	-0.9	-0.3	3.9	3.9	0.2	0.7	2.0	2.3

17			16.3	13.2	13.9	16.1	19.4	21.0	22.9	23.0	22.8	20.3
18			46.9	46.3	44.9	43.0	41.9	40.9	41.4	43.2	44.5	46.1
19			K	K	K	K	K	L	L	K	K	K
20			0	0	0	0	0	0	0	0	0	0
21	01	85.0	2.2	1.8	2.4	2.7	3.0	2.3	2.2	2.5	2.0	1.6
21	05	85.0	1.3	0.9	1.4	1.7	2.1	1.4	1.3	1.6	1.1	0.7
21	09	85.0	1.3	0.9	1.4	1.7	2.1	1.4	1.3	1.6	1.1	0.7
21	13	85.0	1.3	0.9	1.5	1.7	2.1	1.4	1.3	1.6	1.1	0.7
21	17	85.0	1.3	0.9	1.5	1.7	2.1	1.4	1.3	1.6	1.1	0.7

1	2	3	4	5	6	7	8	9	10	11	12
YUG14900	YUG	-7.0	18.4 18.6	43.7 43.8	1.68 2.21	0.66 0.92	154 156	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			13.4		21.0		20.1		16.1		22.7		23.0	
15			46.4		40.6		46.3		42.9		44.5		43.1	
16	23	65.2	-1.4	-0.7	0.3	0.9	-1.4	-0.7	-0.2	0.4	-0.1	0.5	0.9	1.4
16	27	65.3	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
16	31	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
16	35	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
16	39	65.5	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.3	-1.5	-0.4	0.2

17			16.3	13.2	13.9	16.1	19.4	21.0	22.9	23.0	22.8	20.3
18			46.9	46.3	44.9	43.0	41.9	40.9	41.4	43.2	44.5	46.1
19			K	K	K	K	K	L	L	K	K	K
20			0	0	0	0	0	0	0	0	0	0
21	03	84.0	1.8	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.6	1.2
21	07	84.0	1.8	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.6	1.2
21	11	84.0	1.9	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.7	1.2
21	15	84.0	1.8	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.6	1.2
21	19	84.0	1.9	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.6	1.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 31

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BOT29700	BOT	-1.0	23.3 23.3	-22.2 -22.2	2.13 2.13	1.50 1.50	36 36	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13			21.0		25.3		29.3		25.6		20.6		20.0	
14			-18.4		-17.8		-22.1		-25.6		-27.0		-23.3	
15			E		E		E		C		C			
16			0		0		0		0		0			
16	02	63.8	5.2	2.3	3.6	1.6	5.9	2.6	8.0	3.3	8.3	3.3	9.5	3.6
16	06	63.8	5.1	2.3	3.5	1.5	5.8	2.6	7.9	3.2	8.2	3.3	9.4	3.6
16	10	63.9	5.1	2.3	3.5	1.5	5.8	2.6	7.9	3.2	8.2	3.3	9.4	3.6
16	14	63.9	5.2	2.3	3.5	1.5	5.8	2.6	8.0	3.3	8.3	3.3	9.5	3.6
16	18	64.0	5.1	2.3	3.5	1.5	5.8	2.6	7.9	3.2	8.2	3.3	9.4	3.6
17			21.0	25.3	29.3		25.6	20.6	20.0					
18			-18.4	-17.8	-22.1		-25.6	-27.0	-23.3					
19			E	E	E		E	C	C					
20			0	0	0		0	0	0					
21	02	85.0	-5.2	-4.9	-5.4		-4.6	-5.4	-3.2					
21	06	85.0	-5.2	-4.9	-5.4		-4.6	-5.4	-3.2					
21	10	85.0	-5.2	-4.9	-5.4		-4.6	-5.4	-3.2					
21	14	85.0	-5.2	-4.9	-5.4		-4.6	-5.4	-3.2					
21	18	85.0	-5.2	-4.9	-5.4		-4.6	-5.4	-3.2					

1	2	3	4	5	6	7	8	9	10	11	12
BUL02000	BUL	-1.0	25.0 25.0	43.0 43.0	1.04 2.00	0.60 2.00	165 0	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13			22.6		28.7		22.4		28.1		23.0		25.3	
14			44.3		43.8		42.3		42.0		41.3		41.2	
15			K		K		K		L		L			
16			0		0		0		0		0			
16	04	63.6	-1.0	-0.4	-2.2	-1.5	-0.6	-0.1	-2.3	-1.6	-1.9	-1.3	-1.7	-1.1
16	08	63.7	-0.9	-0.4	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	12	63.8	-0.9	-0.4	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	16	63.8	-0.9	-0.4	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	20	63.9	-1.8	-1.0	-1.2	-0.5	-1.3	-0.6	-1.6	-0.8	-2.2	-1.4	-1.6	-0.8
17			22.6	28.7	22.4		28.1	23.0	25.3					
18			44.3	43.8	42.3		42.0	41.3	41.2					
19			K	K	K		K	L	L					
20			0	0	0		0	0	0					
21	04	84.0	-0.1	-0.1	0.3		-0.3	0.4	0.3					
21	08	84.0	-0.1	-0.1	0.3		-0.3	0.4	0.3					
21	12	84.0	-0.1	-0.1	0.3		-0.3	0.4	0.3					
21	16	84.0	-0.1	-0.1	0.3		-0.3	0.4	0.3					
21	20	84.0	1.9	2.0	2.3		1.8	2.4	2.3					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 32

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DDR21600	DDR	-1.0	12.6 17.2	52.1 51.8	0.83 2.00	0.63 2.00	172 0	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13			12.5		14.5		15.0		13.0		9.9		11.0	
14			54.5		53.4		51.0		50.5		51.4		54.0	
15			E		E		E		E		H			
16			0		0		0		0		0			
16	21	64.2	-2.7	-2.0	-1.1	-0.5	-2.2	-1.5	-1.2	-0.6	-2.3	-1.6	-3.3	-2.6
16	25	64.3	-3.1	-2.3	-1.5	-0.8	-2.4	-1.7	-1.4	-0.7	-2.5	-1.8	-3.5	-2.7
16	29	64.3	-2.9	-2.1	-1.6	-0.9	-2.8	-2.0	-1.6	-0.9	-2.3	-1.6	-3.3	-2.5
16	33	64.4	-3.0	-2.2	-1.8	-1.1	-2.9	-2.1	-1.7	-1.0	-2.2	-1.5	-3.3	-2.5
16	37	64.4	-2.8	-2.0	-1.3	-0.6	-2.6	-1.8	-1.4	-0.7	-2.3	-1.6	-3.3	-2.5
17			13.4	10.8	9.9		14.3	14.4						
18			54.6	54.0	50.6		49.4	53.3						
19			E	E	E		H	E						
20			0	0	0		0	0						
21	21	84.0	0.6	-0.3	-0.1		1.6	1.3						
21	25	84.0	1.6	0.7	1.0		2.6	2.3						
21	29	84.0	1.6	0.7	0.9		2.6	2.3						
21	33	84.0	1.6	0.7	0.9		2.6	2.3						
21	37	84.0	1.6	0.7	0.9		2.6	2.3						

1	2	3	4	5	6	7	8	9	10	11	12
HNG10600	HNG	-1.0	19.5 22.2	47.2 45.6	0.92 2.00	0.60 2.00	176 0	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13			22.9		20.8		17.3		16.1		18.0		21.0	
14			48.0		48.6		48.1		46.8		45.7		46.2	
15			K		K		K		K		K		K	
16			0		0		0		0		0		0	
16	22	64.0	-0.6	0.2	-0.1	0.6	-2.3	-1.5	-2.9	-2.0	-2.1	-1.3	-2.1	-1.3
16	26	64.0	-0.6	0.1	0.0	0.7	-2.2	-1.4	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	30	64.1	-0.6	0.2	0.0	0.7	-2.1	-1.3	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	34	64.1	-0.3	0.4	0.3	1.0	-2.0	-1.2	-2.8	-2.0	-2.0	-1.2	-2.1	-1.3
16	38	64.2	-0.4	0.3	0.5	1.2	-1.5	-0.7	-2.5	-1.7	-2.1	-1.3	-2.2	-1.4
17			22.9	20.8	17.3		16.1	18.0	21.0					
18			48.0	48.6	48.1		46.8	45.7	46.2					
19			K	K	K		K	K	K					
20			0	0	0		0	0	0					
21	22	84.0	4.6	4.0	2.8		2.7	3.9	4.8					
21	26	84.0	4.5	3.9	2.8		2.6	3.9	4.7					
21	30	84.0	4.6	4.0	2.8		2.7	3.9	4.8					
21	34	84.0	4.5	3.9	2.7		2.6	3.8	4.7					
21	38	84.0	4.5	3.9	2.7		2.6	3.9	4.7					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 33

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MWI30800	MWI	-1.0	34.1 34.1	-13.0 -13.0	1.54 1.54	0.60 0.60	87 87	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			32.8		34.0		34.6		35.8		35.2		32.0	
15			-9.3		-9.8		-11.0		-14.8		-17.2		-13.0	
16	24	64.2	10.3	7.9	11.6	8.5	12.5	8.8	11.5	8.4	9.5	7.5	10.0	7.8
16	28	64.3	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	32	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	36	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	40	64.5	10.9	8.2	12.3	8.8	13.4	9.2	14.2	9.4	14.6	9.5	11.6	8.5

17		32.8	34.0	34.6	35.8	35.2	32.0	
18		-9.3	-9.8	-11.0	-14.8	-17.2	-13.0	
19		J	J	J	J	J	J	
20		0	0	0	0	0	0	
21	24	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	28	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	32	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	36	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	40	84.0	3.7	5.1	5.7	4.1	3.8	0.7

1	2	3	4	5	6	7	8	9	10	11	12
POL13200	POL	-1.0	19.3 17.2	51.8 51.8	1.46 2.00	0.64 2.00	162 0	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			14.4		15.0		20.0		22.9		24.1		23.3	
15			53.9		51.0		49.2		49.0		50.7		54.2	
16	01	64.1	2.5	2.2	2.9	2.4	1.8	1.6	0.1	0.3	2.8	2.4	2.5	2.2
16	05	64.2	-0.7	-0.5	0.7	0.7	1.2	1.1	-0.3	-0.1	2.2	1.8	1.2	1.1
16	09	64.2	-0.7	-0.5	0.7	0.7	1.2	1.1	-0.3	-0.1	2.2	1.8	1.2	1.1
16	13	64.3	0.3	0.4	1.6	1.4	1.4	1.3	-0.2	0.0	2.4	2.0	3.1	2.5
16	17	64.3	0.4	0.5	1.6	1.4	1.5	1.3	-0.2	0.0	2.5	2.1	3.6	2.8

17		14.2	14.9	19.9	24.1	23.3		
18		53.9	50.9	49.4	50.5	54.3		
19		E	H	K	H	H		
20		0	0	0	0	0		
21	01	87.0	-0.6	0.1	-0.7	-2.1	-0.9	
21	05	87.0	-1.0	-0.3	-1.0	-2.5	-1.2	
21	09	87.0	-1.0	-0.3	-1.0	-2.5	-1.2	
21	13	87.0	-1.0	-0.3	-1.0	-2.4	-1.2	
21	17	87.0	-1.0	-0.3	-1.0	-2.4	-1.2	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 34

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ROU13600	ROU	-1.0	25.0 25.0	45.7 45.7	1.38 1.38	0.66 0.66	155 155	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			20.2		22.8		28.5		29.5		27.0		23.5	
15			46.1		43.8		43.7		44.8		48.0		48.0	
16	02	63.8	-1.4	-1.1	-0.2	-0.1	0.3	0.3	0.5	0.4	0.9	0.7	0.8	0.7
16	06	63.9	-1.3	-1.0	-0.1	-0.1	0.2	0.2	0.5	0.4	0.9	0.7	0.7	0.6
16	10	63.9	-1.3	-1.0	-0.1	-0.1	0.2	0.2	0.5	0.4	0.9	0.7	0.7	0.6
16	14	64.0	-1.2	-1.0	-0.1	-0.1	0.3	0.3	0.5	0.4	1.1	0.9	0.8	0.7
16	18	64.0	-1.2	-1.0	-0.1	-0.1	0.3	0.3	0.5	0.4	1.0	0.8	0.8	0.7

17		20.2	22.8	28.5	29.5	27.0	23.5	
18		46.1	43.8	43.7	44.8	48.0	48.0	
19		K	K	K	K	K	K	
20		0	0	0	0	0	0	
21	02	86.0	-2.5	-2.9	-1.5	-1.9	-3.0	-0.7
21	06	86.0	-2.5	-2.9	-1.5	-1.9	-3.0	-0.7
21	10	86.0	-2.5	-2.9	-1.5	-1.9	-3.0	-0.7
21	14	86.0	-2.5	-2.9	-1.5	-1.9	-3.0	-0.7
21	18	86.0	-2.5	-2.9	-1.5	-1.9	-3.0	-0.7

1	2	3	4	5	6	7	8	9	10	11	12
SWZ31300	SWZ	-1.0	31.5 31.5	-26.5 -26.5	0.62 0.62	0.60 0.60	66 66	A883 A887	A884 A882	1 2	

			1		2		3		4		5	
13												
14			31.9		31.1		31.3		30.8		31.9	
15			-26.7		-25.9		-26.5		-26.6		-26.5	
16	01	62.9	8.1	6.6	6.8	5.8	7.8	6.4	6.8	5.8	8.0	6.5
16	05	62.9	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4
16	09	62.9	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4
16	13	63.0	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4
16	17	63.0	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4

17		31.9	31.1	31.3	30.8	31.9	
18		-26.7	-25.9	-26.5	-26.6	-26.5	
19		K	E	E	K	K	
20		0	0	0	0	0	
21	01	82.0	0.9	0.6	0.9	0.1	0.9
21	05	82.0	0.9	0.6	0.9	0.1	0.9
21	09	82.0	0.9	0.6	0.9	0.1	0.9
21	13	82.0	0.9	0.6	0.9	0.1	0.9
21	17	82.0	0.9	0.6	0.9	0.1	0.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 35

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TCH14400	TCH	-1.0	17.3 17.2	49.3 51.8	1.47 2.00	0.60 2.00	170 0	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			12.1		14.1		22.2		17.7		19.7		14.3	
15			50.3		48.6		48.4		47.7		50.3		51.0	
16	03	63.8	-1.9	-1.4	-0.5	-0.2	-0.5	-0.2	0.6	0.7	-0.5	-0.2	-1.0	-0.7
16	07	63.9	-1.8	-1.4	-0.5	-0.2	-0.4	-0.2	0.6	0.7	-0.4	-0.2	-1.0	-0.7
16	11	63.9	-1.4	-1.0	-0.2	0.0	-0.4	-0.2	0.7	0.7	-0.3	-0.1	-0.5	-0.2
16	15	64.0	-1.5	-1.1	-0.2	0.0	-0.3	-0.1	0.7	0.7	-0.2	0.0	-0.5	-0.2
16	19	64.0	-1.5	-1.1	-0.2	0.0	-0.3	-0.1	0.7	0.7	-0.2	0.0	-0.5	-0.2
17			12.1		15.2		22.0		22.1		13.8			
18			50.3		51.0		49.3		48.4		48.8			
19			H		H		K		K		H			
20			0		0		0		0		0			
21	03	84.0	-0.9		0.0		-1.7		-2.2		-0.5			
21	07	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	11	84.0	-0.9		0.0		-1.7		-2.2		-0.5			
21	15	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	19	84.0	-0.9		0.0		-1.7		-2.2		-0.4			

1	2	3	4	5	6	7	8	9	10	11	12
ZWE13500	ZWE	-1.0	29.6 29.6	-18.8 -18.8	1.46 1.46	1.36 1.36	37 37	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			31.2		30.0		25.2		27.4		32.8		32.8	
15			-22.2		-16.5		-17.6		-21.1		-20.5		-17.7	
16	22	64.2	5.1	5.5	9.6	9.1	7.3	7.4	5.6	5.9	7.1	7.2	8.6	8.4
16	26	64.2	5.0	5.4	9.5	9.0	7.0	7.1	5.4	5.8	7.0	7.1	8.5	8.3
16	30	64.3	4.6	5.1	8.6	8.4	6.1	6.4	4.9	5.3	6.5	6.7	7.7	7.7
16	34	64.3	4.6	5.1	8.6	8.4	6.1	6.4	4.8	5.3	6.4	6.6	8.6	8.4
16	38	64.4	4.6	5.1	8.6	8.4	6.1	6.4	4.9	5.3	6.5	6.7	8.5	8.3
17			31.2		30.0		25.2		27.4		32.8		32.8	
18			-22.2		-16.5		-17.6		-21.1		-20.5		-17.7	
19			E		J		E		E		J		J	
20			0		0		0		0		0		0	
21	23	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	27	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	31	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	35	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	39	85.0	4.9		6.3		4.5		5.4		5.8		5.6	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 36

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CYP08600	CYP	5.0	33.3 33.3	35.1 35.1	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			32.3		34.0		33.0		34.5		33.8		33.1	
15			34.8		35.0		35.3		35.7		35.3		34.6	
16	21	63.6	2.7	3.7	2.4	3.4	2.8	3.8	1.6	2.6	3.1	4.1	2.7	3.7
16	25	63.6	0.8	1.8	0.1	1.1	1.0	2.0	-0.3	0.7	1.1	2.1	0.4	1.4
16	29	63.7	0.9	1.9	0.1	1.1	1.0	2.0	-0.4	0.6	1.1	2.1	0.4	1.4
16	33	63.7	0.9	1.9	0.1	1.1	1.0	2.0	-0.3	0.7	1.1	2.1	0.4	1.4
16	37	63.8	0.9	1.9	0.1	1.1	1.1	2.1	-0.3	0.7	1.2	2.2	0.5	1.5
17			32.3		34.0		33.0		34.5		33.8		33.1	
18			34.8		35.0		35.3		35.7		35.3		34.6	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	21	84.0	18.7		19.0		20.0		18.0		19.9		20.0	
21	25	84.0	17.9		18.2		19.2		17.2		19.2		19.2	
21	29	84.0	17.8		18.2		19.1		17.1		19.1		19.1	
21	33	84.0	17.8		18.1		19.0		17.1		19.0		19.0	
21	37	84.0	17.9		18.2		19.1		17.1		19.1		19.1	

1	2	3	4	5	6	7	8	9	10	11	12
DNK08900	DNK	5.0	12.3 17.0	57.1 61.5	1.20 2.00	0.60 1.00	177 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			12.0		15.1		8.0		12.6		10.0		10.5	
15			54.6		55.3		57.0		56.0		54.5		57.7	
16	12	64.3	0.8	1.6	0.7	1.5	2.1	2.8	3.2	3.9	0.8	1.6	3.9	4.5
16	16	64.4	0.7	1.5	0.7	1.5	2.0	2.7	3.1	3.8	0.7	1.5	3.8	4.4
16	20	64.4	0.1	1.0	1.1	1.9	2.1	2.9	3.0	3.7	0.0	0.9	4.1	4.8
17			12.5		10.0		10.8		6.0		23.6		18.1	
18			55.7		57.5		60.1		62.5		70.7		59.2	
19			E		E		G		J		C		E	
20			30		30		200		30		50		70	
21	12	84.0	6.2		7.4		8.1		5.3		5.2		7.9	
21	16	84.0	6.2		7.4		8.1		5.3		5.2		7.9	
21	20	84.0	6.9		8.1		8.7		6.0		5.9		8.6	

			5		6	
13						
14			21.1		24.0	
15			67.9		60.2	
16	12	64.3	6.5		6.8	
16	16	84.4	6.5		6.8	
16	20	84.4	7.1		7.4	
17			29.8		27.0	
18			62.6		68.9	
19			E		C	
20			200		150	
21	12	84.0	5.6		6.7	
21	16	84.0	5.6		6.7	
21	20	84.0	6.3		7.3	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 37

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DNK09000	DNK	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1	2	3	4	5	6
13			12.0	4.4	4.7	31.5	25.7	22.6
14			54.6	61.6	59.2	62.9	71.2	59.6
15	24	67.5	2.9 1.9	7.6 4.3	7.8 4.4	5.9 3.6	8.1 4.5	7.6 4.3
16	36	68.2	3.3 2.2	8.1 4.5	8.3 4.5	6.4 3.8	8.6 4.6	8.2 4.5
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9
19			E	E	G	J	C	E	C	E	E	C
20			30	30	200	30	50	70	330	30	200	150
21	24	84.0	-2.7	-1.6	-0.9	-3.7	-3.7	-1.1	-2.5	-2.2	-3.3	-2.3
21	36	84.0	-2.8	-1.6	-0.9	-3.7	-3.7	-1.1	-2.5	-2.2	-3.4	-2.3

1	2	3	4	5	6	7	8	9	10	11	12
DNK09100	DNK	5.0	-19.5	61.0	2.20	0.80	4	A883	A884	1	
			-19.5	61.0	2.20	0.80	4	A887	A882	2	

			1	2	3	4	5	6
13			-6.7	-24.3	-22.7	-14.5	-16.0	-6.2
14			62.0	65.5	63.8	66.3	66.5	62.3
15	27	66.2	6.6 6.6	10.8 9.6	11.7 10.1	7.9 7.6	8.3 7.9	6.1 6.2
16	35	66.3	7.0 6.9	12.1 10.3	13.0 10.7	8.7 8.2	9.2 8.5	6.4 6.4
17			-21.8	-23.5	-15.3	-15.2	-6.8	
18			64.2	66.1	66.3	64.3	62.0	
19			E	G	E	G	G	
20			30	30	30	30	50	
21	27	84.0	5.1	3.8	3.6	5.1	3.9	
21	35	84.0	5.0	3.7	3.5	5.0	3.8	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 38

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
FNL10300	FNL	5.0	22.5	64.5	1.38	0.76	171	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1	2	3	4	5	6
13			24.9	31.5	19.2	24.0	20.7	29.3
14			60.0	62.9	60.0	66.0	69.1	69.5
15	02	67.7	6.5 7.0	9.0 9.1	5.8 6.4	12.3 11.6	12.5 11.8	12.5 11.8
16	06	67.8	6.5 7.0	9.0 9.1	5.7 6.3	12.3 11.6	12.4 11.7	12.5 11.8
16	10	67.9	6.5 7.0	9.1 9.2	5.7 6.3	12.3 11.6	12.5 11.8	12.6 11.8
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9
19			E	E	G	J	C	E	C	E	E	C
20			0	0	0	0	0	0	0	0	0	0
21	02	84.0	7.6	8.8	9.5	6.7	6.6	9.3	7.8	8.2	7.0	8.0
21	06	84.0	7.6	8.8	9.5	6.7	6.6	9.3	7.8	8.2	7.0	8.0
21	10	84.0	7.6	8.8	9.5	6.7	6.6	9.3	7.8	8.2	7.0	8.0

1	2	3	4	5	6	7	8	9	10	11	12
FNL10400	FNL	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1	2	3	4	5	6
13			8.0	4.7	24.9	25.7	11.6	15.0
14			56.0	59.2	60.0	71.2	67.4	55.0
15	22	67.7	8.4 8.3	10.3 9.7	11.2 10.3	14.0 11.8	12.5 11.0	4.4 4.9
16	26	67.5	8.1 8.0	10.0 9.4	11.4 10.4	10.9 10.0	11.7 10.5	4.1 4.6
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9
19			E	E	G	J	C	E	C	E	E	C
20			0	0	0	0	0	0	0	0	0	0
21	22	84.0	5.7	6.9	7.6	4.8	4.7	7.4	5.9	6.3	5.1	6.1
21	26	84.0	5.6	6.8	7.4	4.7	4.6	7.3	5.8	6.1	5.0	6.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 39

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GRC10500	GRC	5.0	24.7 24.5	38.2 38.0	1.78 2.03	0.98 1.29	156 159	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			19.4		24.0		29.6		26.5		26.6		22.9	
15			39.9		34.6		36.1		39.0		41.5		41.4	
16	03	63.3	3.8	4.0	5.5	5.4	7.0	6.5	6.0	5.8	0.4	1.0	1.2	1.8
16	07	63.4	3.8	4.0	5.5	5.4	7.0	6.5	6.0	5.8	0.3	0.9	1.2	1.8
16	11	63.4	3.9	4.1	5.5	5.4	7.1	6.6	6.0	5.8	0.4	1.0	1.2	1.8
16	15	63.5	3.9	4.1	5.6	5.5	7.1	6.6	6.1	5.9	0.4	1.0	1.2	1.8
16	19	63.5	3.9	4.1	5.6	5.5	7.1	6.6	6.1	5.9	0.4	1.0	1.2	1.8
17			19.4		24.0		29.6		26.5		26.2		22.9	
18			39.9		34.6		36.1		39.0		41.7		41.4	
19			L		K		K		L		L		L	
20			0		0		0		0		0		0	
21	03	84.0	2.2		2.4		2.1		3.8		2.0		2.6	
21	07	84.0	2.2		2.4		2.1		3.8		2.0		2.6	
21	11	84.0	2.1		2.3		2.1		3.7		1.9		2.6	
21	15	84.0	2.2		2.4		2.2		3.8		2.0		2.7	
21	19	84.0	2.2		2.4		2.2		3.8		2.0		2.7	

1	2	3	4	5	6	7	8	9	10	11	12
ISL05000	ISL	5.0	-19.5 -19.5	61.0 61.0	2.20 2.20	0.80 0.80	4 4	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			-23.0		-16.0		-6.2		-6.8		-18.8		-24.3	
15			66.5		66.5		62.3		61.5		63.4		65.5	
16	23	66.3	10.3	9.3	9.1	8.5	6.8	6.8	7.5	7.3	11.8	10.2	11.0	9.7
16	31	66.4	10.2	9.3	8.5	8.1	6.4	6.5	7.3	7.2	12.0	10.3	11.1	9.8
16	39	66.5	9.7	8.9	7.9	7.6	5.4	5.6	6.3	6.4	11.4	9.9	10.7	9.5
17			-21.8		-23.5		-15.3		-15.2		-6.8			
18			64.2		66.1		66.3		64.3		62.0			
19			E		G		E		G		G			
20			0		0		0		0		0			
21	23	84.0	5.1		3.9		3.6		5.1		3.9			
21	31	84.0	5.2		3.9		3.7		5.2		4.0			
21	39	84.0	5.1		3.8		3.6		5.1		3.9			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 40

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LSO30500	LSO	5.0	27.8 27.8	-29.8 -29.8	0.66 0.66	0.60 0.60	36 36	A883 A887	A884 A882	1 2	

			1		2		3		4		5	
13												
14			27.0		28.5		29.5		28.0		29.3	
15			-29.8		-28.5		-29.4		-30.5		-30.0	
16	24	64.2	3.0	3.5	1.0	1.7	0.8	1.5	3.1	3.6	1.7	2.3
16	28	64.2	3.4	3.9	1.5	2.1	1.3	2.0	3.6	4.0	2.1	2.7
16	32	64.3	3.4	3.9	1.5	2.1	1.3	2.0	3.6	4.0	2.1	2.7
16	36	64.3	2.7	3.2	0.7	1.4	0.5	1.2	2.9	3.4	1.4	2.1
16	40	64.4	5.1	5.3	3.1	3.6	2.8	3.3	5.2	5.4	3.6	4.1
17			27.0		28.5		29.5		28.0		29.3	
18			-29.8		-28.5		-29.4		-30.5		-30.0	
19			E		E		E		E		E	
20			0		0		0		0		0	
21	24	84.0	6.3		3.6		3.2		6.6		4.4	
21	28	84.0	6.4		3.6		3.2		6.6		4.4	
21	32	84.0	6.4		3.6		3.2		6.6		4.4	
21	36	84.0	6.3		3.6		3.2		6.6		4.4	
21	40	84.0	6.4		3.7		3.3		6.7		4.5	

1	2	3	4	5	6	7	8	9	10	11	12
NOR12000	NOR	5.0	13.1 17.0	64.1 61.5	1.84 2.00	0.88 1.00	10 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			29.0		25.0		14.0		11.6		7.6		5.0	
15			69.0		68.7		64.0		59.0		58.0		60.0	
16	14	65.0	8.9	9.0	9.7	9.7	8.4	8.6	2.1	2.9	1.5	2.3	4.1	4.8
16	18	65.0	9.0	9.1	9.6	9.6	8.2	8.5	2.0	2.8	1.3	2.1	3.9	4.6
16	38	67.0	10.6	9.8	12.2	10.8	14.3	11.9	9.2	8.8	9.4	9.0	11.1	10.1
17			12.5	10.0	10.8		6.0	23.6	18.1	21.1	24.0	29.8	27.0	
18			55.7	57.5	60.1		62.5	70.7	59.2	67.9	60.2	62.6	68.9	
19			E	E	G		J	C	E	C	E	E	C	
20			0	0	0		0	0	0	0	0	0	0	
21	14	84.0	7.5	8.7	9.4		6.6	6.5	9.2	7.7	8.0	6.9	7.9	
21	18	84.0	7.5	8.7	9.4		6.6	6.5	9.2	7.7	8.0	6.9	7.9	
21	38	84.0	5.5	6.7	7.4		4.6	4.5	7.2	5.8	6.1	4.9	6.0	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 41

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NOR12100	NOR	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			28.9		30.6		24.9		18.4		15.0		8.3	
15			69.0		64.1		60.1		57.6		55.0		55.0	
16	28	66.8	7.7	4.3	6.4	3.7	6.6	3.8	5.7	3.4	2.3	1.5	3.8	2.4
16	32	66.9	7.7	4.3	6.4	3.7	6.6	3.8	5.7	3.4	2.3	1.5	3.7	2.4
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	28	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.3	-3.4	-2.4		
21	32	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.2	-3.4	-2.4		

1	2	3	4	5	6	7	8	9	10	11	12
S 13800	S	5.0	16.2	61.0	1.04	0.98	14	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			13.3		19.0		11.0		20.8		12.0		20.1	
15			55.3		57.4		58.5		63.5		63.3		69.1	
16	04	67.1	3.4	4.1	2.4	3.1	4.7	5.2	3.8	4.4	3.9	4.5	2.0	2.8
16	08	67.1	3.4	4.1	2.3	3.0	4.6	5.2	3.8	4.4	3.8	4.4	1.9	2.7
16	34	67.4	4.5	5.0	7.1	7.2	8.8	8.6	13.1	11.4	11.8	10.6	12.0	10.8
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	04	84.0	6.3	7.5	8.2	5.4	5.3	8.0	6.5	6.9	5.7	6.7		
21	08	84.0	6.3	7.5	8.2	5.4	5.3	8.0	6.5	6.9	5.7	6.7		
21	34	84.0	5.7	6.9	7.6	4.8	4.7	7.4	5.9	6.3	5.1	6.1		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 42

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
S 13900	S	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			8.3		15.1		19.0		27.2		4.7		28.3	
15			55.0		55.0		57.4		60.2		59.2		71.2	
16	30	67.1	5.8	6.1	3.6	4.2	8.0	7.9	10.5	9.7	9.4	9.0	10.2	9.5
16	40	68.2	6.8	3.9	6.3	3.7	8.3	4.5	6.9	4.0	8.5	4.5	8.6	4.6
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	30	84.0	5.5	6.6	7.3	4.6	4.5	7.2	5.7	6.0	4.9	5.9		
21	40	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.5	-2.2	-3.4	-2.3		

1	2	3	4	5	6	7	8	9	10	11	12
TUR14500	TUR	5.0	34.4	38.9	2.68	1.04	168	A883	A884	1	
			34.3	39.0	3.13	1.38	168	A887	A882	2	

			1		2		3		4		5		6	
13														
14			26.5		36.0		27.2		44.5		42.7		35.0	
15			41.6		36.0		37.0		37.6		41.5		42.0	
16	01	63.7	2.8	3.4	7.2	7.1	3.8	4.3	0.6	1.3	-1.7	-0.9	2.5	3.1
16	05	63.8	0.3	1.0	6.3	6.1	3.2	3.6	0.4	1.1	-1.8	-1.0	2.0	2.5
16	09	63.8	0.3	1.0	6.3	6.1	3.2	3.6	0.4	1.1	-1.8	-1.0	2.0	2.5
16	13	63.9	0.3	1.0	6.4	6.2	3.3	3.7	0.4	1.1	-1.8	-1.0	2.1	2.6
16	17	63.9	0.3	1.0	6.5	6.3	3.3	3.7	0.5	1.2	-1.6	-0.8	2.2	2.7
17			44.8	44.8	36.2	32.8	27.4	25.7	26.6	35.0	42.8	26.3		
18			39.7	37.2	35.9	36.0	36.7	40.2	42.0	42.1	41.7	38.3		
19			K	K	K	K	L	L	K	K	K	L		
20			0	0	0	10	10	0	0	0	0	0		
21	01	84.0	3.8	3.5	4.5	4.3	3.9	4.2	3.8	4.4	3.7	4.3		
21	05	84.0	2.7	2.4	3.4	3.2	2.8	3.1	2.7	3.3	2.6	3.2		
21	09	84.0	2.7	2.4	3.4	3.2	2.8	3.1	2.7	3.3	2.6	3.2		
21	13	84.0	2.8	2.5	3.5	3.2	2.9	3.2	2.8	3.4	2.6	3.3		
21	17	84.0	2.8	2.5	3.5	3.3	3.0	3.2	2.8	3.4	2.7	3.4		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 43

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
3DI27000	BDI	11.0	29.9 29.9	-3.1 -3.1	0.71 0.71	0.60 0.60	80 80	A883 A887	A884 A882	2 1	

			1		2		3		4	
13										
14			29.2		29.1		29.5		30.3	
15			-2.8		-2.7		-4.2		-2.7	
16	22	63.4	3.8	4.1	3.3	3.7	3.3	3.7	3.7	4.1
16	26	63.4	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	30	63.5	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	34	63.5	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	38	63.6	3.3	3.7	2.8	3.3	2.8	3.3	3.3	3.7

			1	2	3
17			29.2	30.3	29.5
18			-2.8	-2.7	-4.2
19			K	K	K
20			0	0	0
21	22	84.0	3.4	4.3	2.7
21	26	84.0	3.4	4.3	2.7
21	30	84.0	3.4	4.3	2.7
21	34	84.0	3.4	4.3	2.7
21	38	84.0	3.5	4.4	2.8

1	2	3	4	5	6	7	8	9	10	11	12
IRQ25600	IRQ	11.0	43.6 43.5	32.8 33.0	1.88 2.28	0.96 1.32	143 145	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			37.5		41.2		44.0		45.8		48.0		43.5	
15			33.3		35.0		37.3		34.2		30.0		30.0	
16	24	63.3	0.9	1.3	3.1	3.1	-0.3	0.2	2.1	2.3	0.7	1.1	2.8	2.8
16	28	63.4	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.4	4.1	3.9
16	32	63.4	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.4	4.1	3.9
16	36	63.5	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.4	4.1	3.9
16	40	63.5	1.0	1.6	3.9	4.1	0.2	0.8	2.8	3.1	2.7	3.1	4.8	4.8

			1	2	3	4	5	6	7	8	9	10
17			41.2	38.6	42.1	44.5	46.0	46.0	47.5	48.3	44.3	41.5
18			35.6	32.5	36.5	37.1	35.5	33.1	31.5	29.6	29.1	31.1
19			K	E	K	K	K	E	E	E	C	C
20			0	0	0	0	0	0	0	0	0	0
21	24	84.0	1.3	0.4	0.9	0.2	0.7	1.8	1.1	-0.1	0.5	1.2
21	28	84.0	1.3	0.4	0.9	0.2	0.7	1.8	1.1	-0.1	0.5	1.2
21	32	84.0	1.3	0.4	0.9	0.2	0.7	1.8	1.1	-0.1	0.5	1.2
21	36	84.0	1.3	0.4	0.9	0.2	0.7	1.8	1.1	-0.1	0.5	1.2
21	40	84.0	3.1	2.1	2.7	2.0	2.5	3.5	2.9	1.7	2.2	2.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 44

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
JOR22400	JOR	11.0	35.8 35.8	31.4 31.4	0.84 0.84	0.78 0.78	114 114	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			34.5		36.1		38.1		38.3		35.0		33.3	
15			29.1		29.0		30.3		33.3		34.0		31.1	
16	23	63.1	1.1	0.6	0.6	0.2	-1.3	-1.3	-1.7	-1.6	0.7	0.3	3.5	2.1
16	27	63.1	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.3	-2.7	-1.6	-1.2	2.7	2.2
16	31	63.2	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.2	-2.6	-1.6	-1.2	2.7	2.2
16	35	63.2	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.3	-2.7	-1.6	-1.2	2.7	2.2
16	39	63.3	0.3	0.4	-0.1	0.1	-1.7	-1.3	-3.3	-2.7	-1.7	-1.3	2.4	2.0

			1	2	3	4	5	6
17			35.8	35.1	36.0	35.0	39.0	38.0
18			32.0	29.5	32.6	32.0	32.5	30.5
19			E	E	E	E	E	C
20			0	0	0	0	0	0
21	23	85.0	1.1	-1.5	0.0	0.1	-4.2	-3.2
21	27	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	31	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	35	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	39	85.0	2.9	0.4	1.9	2.0	-2.4	-1.4

1	2	3	4	5	6	7	8	9	10	11	12
KEN24900	KEN	11.0	37.9 37.9	1.1 1.1	2.29 2.29	1.56 1.56	94 94	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			41.9		41.6		39.2		33.9		34.0		36.4	
15			3.9		-1.6		-4.7		-1.0		4.2		4.6	
16	21	63.7	10.0	7.5	12.1	8.3	12.0	8.3	7.0	5.9	9.2	7.1	11.3	8.1
16	25	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.7	6.2	9.1	6.0	10.4	6.4
16	29	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0	10.4	6.4
16	33	63.9	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0	10.4	6.4
16	37	63.9	8.5	5.7	11.1	6.6	11.7	6.7	9.1	5.9	8.4	5.6	9.8	6.2

			1	2	3	4	5
17			36.5	40.1	35.3	38.0	35.5
18			-0.9	-3.1	0.5	2.7	4.9
19			J	J	K	J	K
20			350	0	0	0	1100
21	21	84.0	1.6	0.1	1.0	2.2	0.1
21	25	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	29	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	33	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	37	84.0	-0.5	-2.0	-1.1	0.1	-2.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 45

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LBN27900	LBN	11.0	35.8	33.9	0.60	0.60	0	A883	A884	2	
			35.8	33.9	0.60	0.60	0	A887	A882	1	

13			1		2		3		4				
14			35.4		35.3		36.2		36.8				
15			33.7		33.0		33.7		34.5				
16	03	61.6	0.9	1.9	0.0	1.0	1.0	2.0	-0.3	0.7			
16	07	61.7	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7			
16	11	61.7	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7			
16	15	61.8	0.9	1.9	0.0	1.0	1.0	2.0	-0.3	0.7			
16	19	61.8	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7			
17			35.4		35.3		36.2		36.8				
18			33.7		33.0		33.7		34.5				
19			E		E		E		K				
20			0		0		0		0				
21	03	84.0	15.9		14.2		15.9		14.3				
21	07	84.0	15.9		14.2		15.9		14.3				
21	11	84.0	15.9		14.2		15.9		14.2				
21	15	84.0	15.9		14.2		15.9		14.3				
21	19	84.0	15.9		14.2		15.9		14.3				

1	2	3	4	5	6	7	8	9	10	11	12
RRW31000	RRW	11.0	30.0	-2.1	0.66	0.60	42	A883	A884	2	
			30.0	-2.1	0.66	0.60	42	A887	A882	1	

13			1		2		3		4		5				
14			30.3		29.0		29.8		31.0		30.5				
15			-1.0		-2.2		-2.5		-2.5		-2.5				
16	04	64.9	0.1	0.7	0.9	1.4	2.5	2.8	0.9	1.4	2.0	2.4			
16	08	64.9	0.0	0.6	0.9	1.4	2.5	2.8	0.9	1.4	1.9	2.3			
16	12	64.9	0.1	0.7	0.9	1.4	2.5	2.8	0.9	1.4	2.0	2.4			
16	16	65.0	0.1	0.7	0.9	1.4	2.5	2.8	0.9	1.4	2.0	2.4			
16	20	65.0	0.0	0.9	0.9	1.8	2.4	3.2	0.7	1.6	1.8	2.6			
17			30.3		29.0		29.8		31.0		30.5				
18			-1.0		-2.2		-2.5		-2.5		-2.5				
19			K		K		K		K		K				
20			0		0		0		0		0				
21	04	84.0	1.4		2.2		4.4		1.6		3.3				
21	08	84.0	1.4		2.2		4.4		1.6		3.3				
21	12	84.0	1.4		2.2		4.4		1.6		3.3				
21	16	84.0	1.4		2.2		4.4		1.6		3.3				
21	20	84.0	7.0		7.8		10.0		7.2		8.9				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 46

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SYR22900	SYR	11.0	38.3	34.9	1.04	0.90	7	A883	A884	1	
			38.3	34.9	1.04	0.90	7	A887	A882	2	

13			1		2		3		4		5		6									
14			42.2		41.0		36.9		35.6		35.9		38.3									
15			37.2		34.3		32.4		33.0		35.7		37.0									
16	22	63.2	4.3	2.9	4.0	2.8	2.4	1.7	1.9	1.4	1.5	1.1	3.7	2.6								
16	26	63.3	3.7	2.6	4.1	2.9	2.2	1.6	1.7	1.3	1.4	1.1	3.5	2.5								
16	30	63.3	3.7	2.6	4.2	2.9	2.2	1.6	1.8	1.3	1.4	1.1	3.5	2.5								
16	34	63.4	4.2	2.9	4.2	2.9	2.3	1.7	1.8	1.3	1.4	1.1	3.5	2.5								
17			42.2		41.0		36.9		35.6		35.9		38.3		36.5		35.9					
18			37.2		34.3		32.4		33.0		35.7		37.0		34.0		34.5					
19			K		K		E		E		K		K		E		K					
20			0		0		0		0		0		0		0		0					
21	22	84.0	-3.3		-2.2		-2.5		-2.1		-2.1		-2.0		-0.4		-1.0					
21	26	84.0	-3.2		-2.2		-2.5		-2.1		-2.1		-2.0		-0.4		-1.0					
21	30	84.0	-3.2		-2.2		-2.5		-2.1		-2.1		-2.0		-0.4		-1.0					
21	34	84.0	-3.2		-2.2		-2.5		-2.1		-2.1		-2.0		-0.4		-1.0					

1	2	3	4	5	6	7	8	9	10	11	12
SYR33900	SYR	11.0	37.6	34.2	1.32	0.88	74	A883	A884	1	
			37.6	34.2	1.32	0.88	74	A887	A882	2	

13			1		2		3		4		5		6									
14			42.0		37.5		35.0		35.0		36.0		38.0									
15			37.5		31.0		31.5		33.0		36.0		37.0									
16	38	63.4	2.8	1.7	3.4	2.1	2.7	1.7	1.4	0.8	0.0	-0.2	2.4	1.5								
17			42.0		37.5		35.0		35.0		36.0		38.0		36.5		35.9					
18			37.5		31.0		31.5		33.0		36.0		37.0		34.0		34.5					
19			K		E		E		K		K		E		K							
20			0		0		0		0		0		0		0							
21	38	84.0	-4.0		-3.6		-2.2		-2.4		-4.1		-2.6		-1.0		-2.3					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 47

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TZA22500	TZA	11.0	34.6	-6.2	2.41	1.72	129	A883	A884	1	
			34.6	-6.2	2.41	1.72	129	A887	A882	2	

			1		2		3		4		5		6	
			30.5		34.0		40.0		40.0		35.0		30.0	
			-1.0		-1.0		-5.0		-10.5		-11.5		-6.0	
23	63.7	2.9	2.8	4.8	4.2	8.1	6.2	9.2	6.8	5.7	4.8	4.2	3.8
27	63.8	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
31	63.8	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
35	63.9	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
39	63.9	2.7	2.2	4.6	3.5	8.0	5.3	9.0	5.7	5.6	4.1	4.1	3.2

			30.5	34.0	40.0	40.0	35.0	30.0
			-1.0	-1.0	-5.0	-10.5	-11.5	-6.0
			K	K	J	J	J	J
			0	0	0	0	0	0
01	84.0	0.1	0.2	-0.6	0.2	-0.1	0.8	
05	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8	
09	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8	
13	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8	
17	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8	

1	2	3	4	5	6	7	8	9	10	11	12
YEM26600	YEM	11.0	44.3	15.1	1.14	0.70	109	A883	A884	1	
			44.3	15.1	1.14	0.70	109	A887	A882	2	

			1		2		3		4		5	
			42.0		42.0		44.0		44.5		45.5	
			15.7		17.5		18.0		14.0		15.0	
02	62.6	3.0	2.9	0.7	1.0	0.1	0.5	5.2	4.5	3.3	3.2
06	62.7	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2
10	62.7	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2
14	62.8	3.1	3.0	0.7	1.0	0.1	0.5	5.2	4.5	3.3	3.2
18	62.8	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2

			44.0	44.5	45.5
			18.0	14.0	15.0
			C	E	C
			0	0	0
02	84.0	-0.5	2.6	1.4	
06	84.0	-0.5	2.6	1.4	
10	84.0	-0.5	2.6	1.4	
14	84.0	-0.5	2.6	1.4	
18	84.0	-0.5	2.6	1.4	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 48

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS00300	ARS	17.0	41.1	23.8	3.52	1.68	134	A883	A884	2	
			44.6	23.4	4.21	2.48	145	A887	A882	1	

			1		2		3		4		5		6	
			35.5		38.0		39.0		38.0		42.5		47.5	
			30.0		24.0		21.0		32.0		17.0		17.0	
04	62.6	-0.2	0.5	3.0	3.3	4.4	4.5	-0.2	0.5	4.2	4.4	2.7	3.1
08	62.7	-0.2	0.5	3.0	3.3	4.3	4.4	-0.1	0.6	4.2	4.4	2.7	3.1
12	62.7	-0.2	0.5	3.0	3.3	4.4	4.5	-0.1	0.6	4.2	4.3	2.7	3.1
16	62.8	-0.2	0.5	3.0	3.3	4.4	4.5	-0.1	0.6	4.2	4.3	2.7	3.1
20	62.8	-0.2	0.5	3.0	3.4	4.6	4.7	-0.3	0.4	8.0	7.2	8.5	7.6

			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8
			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3
			A	C	C	E	C	C	C	C	C	C
			0	0	0	0	0	0	0	0	0	0
04	84.0	3.3	2.0	2.4	2.0	2.7	3.0	1.9	2.1	2.4	1.9	
08	84.0	3.3	2.0	2.3	2.0	2.7	3.0	1.9	2.1	2.4	1.9	
12	84.0	3.2	1.9	2.3	1.9	2.6	2.9	1.8	2.1	2.3	1.9	
16	84.0	3.3	1.9	2.3	1.9	2.7	3.0	1.8	2.1	2.4	1.9	
20	84.0	3.4	2.0	2.4	2.0	2.8	3.1	2.0	2.2	2.5	2.0	

1	2	3	4	5	6	7	8	9	10	11	12
ARS27500	ARS	17.0	48.3	24.6	3.84	1.20	138	A883	A884	2	
			44.6	23.4	4.21	2.48	145	A887	A882	1	

			1		2		3		4		5		6	
			40.0		40.0		55.5		50.0		56.0		50.0	
			32.0		30.0		24.0		18.5		21.0		26.5	
02	62.8	8.8	6.7	11.0	7.6	2.7	2.7	1.7	1.9	3.6	3.4	6.7	5.5
06	62.9	8.8	6.7	11.0	7.6	2.6	2.6	1.6	1.8	3.6	3.4	6.6	5.5
10	62.9	8.9	6.7	11.1	7.7	2.7	2.7	1.6	1.8	3.6	3.4	6.6	5.5
14	63.0	9.0	6.8	11.3	7.7	7.3	5.9	1.8	2.0	6.7	5.5	7.5	6.0
18	63.0	8.9	6.7	11.1	7.7	3.9	3.6	1.8	2.0	4.9	4.4	7.3	5.9

			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8
			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3
			A	C	C	E	C	C	C	C	C	C
			0	0	0	0	0	0	0	0	0	0
02	84.0	1.0	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3	
06	84.0	1.0	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3	
10	84.0	1.0	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3	
14	84.0	1.0	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3	
18	84.0	1.0	-0.3	0.1	-0.3	0.4	0.7	-0.4	-0.1	0.1	-0.3	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 49

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS34000	ARS	17.0	52.3 44.6	24.8 23.4	2.68 4.21	0.70 2.48	143 145	A883 A887	A884 A882	1 2	

13			1		2		3		4		5		6			
14			48.0		53.0		56.0		59.0		52.5		48.7			
15			30.0		27.5		25.0		21.0		22.0		24.0			
16	23	63.2	1.2	1.1	7.5	5.0	4.7	3.5	5.1	3.8	4.9	3.7	4.8	3.6		
17			39.2	34.4	37.0		40.0		48.5		50.2	56.0	55.2	46.7	42.8	
18			21.5	28.1	30.0		32.0		28.5		26.3	22.2	20.0	16.1	16.3	
19			A	C	C		E		C		C	C	C	C	C	
20			0	0	0		0		0		0	0	0	0	0	
21	23	84.0	-1.0	-2.4	-2.0		-2.4		-1.6		-1.3	-2.4	-2.2	-1.9	-2.4	

1	2	3	4	5	6	7	8	9	10	11	12
BHR25500	BHR	17.0	50.5 50.5	26.1 26.1	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	1 2	

13			1	
14			52.3	
15			24.4	
16	27	60.8	4.6	5.1
16	31	60.9	4.6	5.1
16	35	61.0	4.6	5.1
16	39	61.0	4.6	5.1
17			50.5	
18			26.1	
19			C	
20			0	
21	27	84.0	4.9	
21	31	84.0	4.9	
21	35	84.0	4.9	
21	39	84.0	4.9	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 50

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
KWT11300	KWT	17.0	47.6 47.6	29.2 29.2	0.68 0.68	0.60 0.60	145 145	A883 A887	A884 A882	2 1	

13			1		2		3		4		5					
14			46.3		47.1		48.3		48.5		47.4					
15			28.3		30.0		29.8		28.5		29.0					
16	22	63.1	0.3	0.8	2.7	2.9	3.4	3.5	1.6	2.0	3.2	3.4				
16	26	63.1	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6				
16	30	63.2	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6				
16	34	63.2	1.0	1.7	3.5	4.0	4.2	4.6	2.4	3.0	4.1	4.6				
16	38	63.3	0.8	1.5	3.2	3.7	3.9	4.4	2.2	2.8	3.9	4.4				
17			46.3	47.1	48.3		48.5	47.4								
18			28.3	30.0	29.8		28.5	29.0								
19			C	E	E		C	C								
20			0	0	0		0	0								
21	22	84.0	0.9	2.1	2.7		1.6	3.6								
21	26	84.0	3.8	5.0	5.6		4.5	6.5								
21	30	84.0	3.8	5.0	5.6		4.5	6.5								
21	34	84.0	3.8	5.0	5.6		4.5	6.5								
21	38	84.0	3.8	5.0	5.6		4.5	6.5								

1	2	3	4	5	6	7	8	9	10	11	12
OMA12300	OMA	17.0	55.6 55.6	21.0 21.0	1.88 1.88	1.02 1.02	100 100	A883 A887	A884 A882	2 1	

13			1		2		3		4		5		6			
14			52.0		53.0		58.0		60.0		56.0		55.1			
15			19.0		17.0		19.0		22.5		26.5		22.5			
16	24	63.3	3.6	3.4	5.8	4.9	5.1	4.5	2.6	2.6	0.0	0.4	3.3	3.2		
16	28	63.3	4.5	4.4	6.7	6.0	7.7	6.7	4.6	4.5	0.0	0.6	4.8	4.7		
16	32	63.4	4.5	4.4	6.7	6.0	7.7	6.7	4.6	4.5	0.8	1.3	4.6	4.5		
16	36	63.4	4.5	4.4	6.7	6.0	7.7	6.7	4.6	4.5	0.0	0.6	4.8	4.7		
16	40	63.5	5.4	6.0	7.4	7.7	8.7	8.8	5.9	6.4	2.3	3.1	7.1	7.5		
17			52.7	52.0	52.0		57.9	55.0	59.8		55.7	55.5	56.5	58.9		
18			17.0	18.7	19.0		19.0	20.0	22.3		22.5	25.0	26.4	20.3		
19			C	C	C		E	C	E		C	C	C	C		
20			75	600	150		0	100	0		100	300	0	0		
21	24	85.0	0.3	-0.1	-0.1		1.0	3.4	-0.5		3.2	1.3	0.3	0.2		
21	28	85.0	1.8	1.5	1.5		2.6	4.9	1.0		4.8	2.9	1.8	1.8		
21	32	85.0	1.8	1.5	1.5		2.6	4.9	1.0		4.8	2.9	1.8	1.8		
21	36	85.0	1.8	1.5	1.5		2.6	4.9	1.0		4.8	2.9	1.8	1.8		
21	40	85.0	7.0	6.7	6.7		7.8	10.2	6.3		10.0	8.1	7.1	7.0		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 51

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
QAT24700	QAT	17.0	51.1	25.3	0.60	0.60	0	A883	A884	1	
			51.1	25.3	0.60	0.60	0	A887	A882	2	

13			1		2		3		4						
14			51.1		52.3		50.8		50.7						
15			26.2		24.8		24.7		25.3						
16	01	61.8	3.6	3.7	1.8	2.2	3.1	3.3	4.0	4.1					
16	05	61.8	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6					
16	09	61.9	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6					
16	13	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6					
16	17	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6					
17			51.1	52.3	50.8	50.7	52.3	51.5	52.4						
18			26.2	24.8	24.7	25.3	26.2	24.5	25.7						
19			C	C	C	C	C	C	C						
20			0	0	0	0	0	0	0						
21	01	84.0	2.5	1.2	3.6	4.7	1.9	2.1	2.2						
21	05	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8						
21	09	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8						
21	13	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8						
21	17	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8						

1	2	3	4	5	6	7	8	9	10	11	12
UAE27400	UAE	17.0	53.6	24.2	0.98	0.80	162	A883	A884	1	
			53.6	24.4	0.98	0.80	162	A887	A882	2	

13			1		2		3		4		5		6					
14			50.8		51.9		54.9		55.8		56.3		56.0					
15			24.6		23.0		22.4		24.0		25.4		26.0					
16	21	63.2	6.7	5.9	7.9	6.7	8.2	6.9	10.0	7.8	9.3	7.5	8.3	6.9				
16	25	63.2	6.0	4.9	6.3	5.1	4.5	3.9	6.2	5.0	5.5	4.6	4.8	4.1				
16	29	63.3	5.9	4.9	6.2	5.0	4.5	3.9	6.1	5.0	5.4	4.5	4.8	4.1				
16	33	63.3	5.9	4.9	6.2	5.0	4.5	3.9	6.1	5.0	5.4	4.5	4.8	4.1				
16	37	63.4	5.9	4.9	6.2	5.0	4.5	3.9	6.1	5.0	5.4	4.5	4.8	4.1				
17			52.3	50.8	51.9	55.1	56.1	56.4	56.6	56.2	55.0	54.4						
18			25.5	24.5	23.0	22.5	24.1	25.0	25.6	26.1	25.9	25.5						
19			C	C	C	C	C	C	C	C	C	C						
20			0	120	100	150	450	0	0	900	0	0						
21	21	84.0	2.8	2.0	2.2	0.7	2.5	2.2	1.4	1.0	2.3	3.3						
21	25	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7						
21	29	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7						
21	33	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7						
21	37	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 52

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BLR06200	URS	23.0	27.8	52.6	1.08	0.72	1	A883	A884	2	2.
			29.5	51.4	2.00	2.00	0	A887	A882	1	

13			1		2		3		4		5		6		
14			23.5		23.4		26.5		30.5		32.8		30.9		
15			53.9		51.5		49.8		51.2		53.4		55.6		
16	21	64.8	4.4	3.2	3.1	2.3	4.1	3.0	6.7	4.4	5.5	3.8	4.5	3.2	
17			33.0	39.7	38.6	34.1	23.5								
18			65.2	60.5	51.7	44.8	53.9								
19			C	C	E	K	H								
20			0	0	0	0	0								
21	21	89.0	-2.9	-2.8	-2.6	-2.5	-1.2								

1	2	3	4	5	6	7	8	9	10	11	12
BLR06201	URS	23.0	27.8	52.6	1.08	0.72	1	A883	A884	2	2.
			24.8	56.7	2.00	2.00	0	A887	A882	1	

13			1		2		3		4		5		6		
14			23.5		23.4		26.5		30.5		32.8		30.9		
15			53.9		51.5		49.8		51.2		53.4		55.6		
16	25	64.9	5.3	4.3	3.6	3.2	4.7	3.9	7.9	5.8	7.7	5.7	8.8	6.2	
17			37.5	35.0	30.3										
18			69.3	56.9	49.0										
19			C	E	K										
20			0	0	0										
21	25	89.0	-1.3	-1.0	-0.8										

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 53

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DJI09900	DJI	23.0	42.5	11.6	0.60	0.60	0	A883	A884	1	
			42.5	11.6	0.60	0.60	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			43.5		41.9		43.0		43.5		42.7		41.9	
15			12.5		10.8		10.8		11.6		12.6		11.8	
16	21	62.5	0.7	0.9	-0.2	0.1	0.3	0.5	1.3	1.4	1.1	1.2	1.4	1.4
16	25	62.6	0.8	1.0	-0.1	0.3	0.3	0.6	1.3	1.5	1.2	1.4	1.5	1.6
16	29	62.6	-0.1	0.3	-0.8	-0.3	-0.3	0.1	0.5	0.8	0.3	0.6	0.7	0.9
16	33	62.7	-0.1	0.3	-0.8	-0.3	-0.3	0.1	0.5	0.8	0.3	0.6	0.7	0.9
16	37	62.7	-0.1	0.3	-0.8	-0.3	-0.3	0.1	0.5	0.8	0.3	0.6	0.7	0.9

17			43.5		41.9		43.0		43.5		42.7		41.9	
18			12.5		10.8		10.8		11.6		12.6		11.8	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	21	84.0	-1.5		-0.2		-0.3		0.0		-0.3		1.2	
21	25	84.0	-1.0		0.3		0.2		0.5		0.2		1.7	
21	29	84.0	-1.1		0.3		0.2		0.4		0.1		1.6	
21	33	84.0	-1.1		0.3		0.2		0.4		0.1		1.6	
21	37	84.0	-1.1		0.3		0.2		0.4		0.1		1.6	

1	2	3	4	5	6	7	8	9	10	11	12
SOM31200	SOM	23.0	45.0	6.4	3.26	1.54	71	A883	A884	1	
			45.0	6.4	3.26	1.54	71	A887	A882	2	

			1		2		3		4		5	
13												
14			43.2		50.4		45.2		42.0		44.4	
15			11.2		11.5		2.0		-1.0		9.5	
16	03	62.3	4.5	4.4	5.1	4.9	7.9	6.8	6.0	5.5	7.0	6.2
16	07	62.4	4.5	4.4	5.0	4.8	7.8	6.8	5.9	5.5	7.0	6.2
16	11	62.4	4.5	4.4	5.0	4.8	7.8	6.8	5.9	5.5	7.0	6.2
16	15	62.5	4.5	4.4	5.0	4.8	7.9	6.8	6.0	5.5	7.0	6.2
16	19	62.6	7.3	6.4	8.2	7.0	10.1	8.0	7.3	6.4	10.0	8.0

17		43.2	50.4	45.2	42.0	44.4		
18		11.2	11.5	2.0	-1.0	9.5		
19		E	E	E	J	E		
20		0	0	0	0	0		
21	02	84.0	1.0	1.3	2.8	1.7	3.2	
21	06	84.0	1.0	1.3	2.8	1.7	3.2	
21	10	84.0	1.0	1.3	2.8	1.7	3.2	
21	14	84.0	1.0	1.3	2.8	1.7	3.2	
21	18	84.0	1.0	1.3	2.8	1.7	3.2	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 54

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
UKR06300	URS	23.0	31.2	48.4	2.32	0.96	172	A883	A884	2	2.
			29.5	51.4	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			28.1		40.2		22.1		23.6		30.9		34.0	
15			45.6		49.6		48.4		51.6		52.1		44.4	
16	29	64.6	4.2	3.6	9.4	6.5	-0.1	0.2	4.0	3.5	7.9	5.8	8.0	5.9
16	33	64.7	4.1	3.6	9.4	6.6	0.0	0.3	4.0	3.5	7.9	5.9	7.9	5.9
16	37	64.7	4.1	3.6	9.3	6.5	0.0	0.3	4.0	3.5	7.9	5.8	7.9	5.8

17		33.0	39.7	38.6	34.1			
18		63.2	60.5	51.7	44.8			
19		C	C	E	K			
20		0	0	0	0			
21	29	89.0	-0.6	-1.2	-1.0	-0.8		
21	33	89.0	-0.6	-1.1	-1.0	-0.8		
21	37	89.0	-0.6	-1.2	-1.0	-0.8		

1	2	3	4	5	6	7	8	9	10	11	12
URS05900	URS	23.0	36.0	47.0	3.70	1.43	153	A883	A884	2	2.
			47.2	40.9	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			22.0		19.9		22.0		27.9		28.7		48.8	
15			48.4		55.0		58.9		59.4		45.2		38.4	
16	27	65.2	-1.3	-0.3	5.7	6.6	6.1	7.0	8.4	9.3	3.0	4.0	6.9	7.8

17		52.5	57.8	56.0	43.9			
18		50.0	47.6	41.5	46.6			
19		E	E	C	E			
20		0	0	0	0			
21	27	89.0	14.3	14.3	14.4	14.5		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 55

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS05901	URS	23.0	36.0 29.5	47.0 51.4	3.70 2.00	1.43 2.00	153 0	A883 A887	A884 A882	2 2	2.

13			1		2		3		4		5		6		
14			22.0		19.9		22.0		27.9		28.7		48.8		
15			48.4		55.0		58.9		59.4		45.2		38.4		
16	31	65.2	-1.3	-0.3	5.8	6.8	6.2	7.2	8.5	9.5	3.0	4.0	6.9	7.9	
17			33.0		39.7		38.6		34.1						
18			63.2		60.5		51.7		44.8						
19			C		C		E		K						
20			0		0		0		0						
21	31	89.0	25.4		24.9		25.0		25.2						

1	2	3	4	5	6	7	8	9	10	11	12
URS05902	URS	23.0	36.0 37.7	47.0 55.8	3.70 2.00	1.43 2.00	153 0	A883 A887	A884 A882	2 2	2.

13			1		2		3		4		5		6		
14			22.0		19.9		22.0		27.9		28.7		48.8		
15			48.4		55.0		58.9		59.4		45.2		38.4		
16	35	65.3	-1.3	-0.3	5.7	6.7	6.2	7.2	8.9	9.9	3.0	4.0	7.1	8.1	
16	39	65.3	-1.3	-0.3	6.0	7.0	6.4	7.4	8.8	9.8	3.0	4.0	7.1	8.1	
17			61.6	48.9	41.2		34.5	29.3	27.7	34.1					
18			69.3	56.5	48.4		45.5	48.0	55.5	66.7					
19			A	C	E		K	K	E	C					
20			0	0	0		0	0	0	0					
21	35	89.0	25.1	25.4	25.6		25.7	25.7	25.5	25.2					
21	39	89.0	25.0	25.3	25.5		25.6	25.6	25.4	25.1					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 56

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06000	URS	23.0	41.5 37.7	57.4 55.8	3.08 2.00	1.56 2.00	153 0	A883 A887	A884 A882	1 2	2.

13			1		2		3		4		5		6		
14			28.3		27.7		32.7		39.1		43.6		53.3		
15			68.9		60.5		53.2		49.8		47.5		54.0		
16	04	66.7	-0.3	0.2	2.9	3.0	8.8	7.0	10.3	7.7	8.7	6.9	11.0	8.0	
16	08	66.8	-0.3	0.2	2.9	3.0	8.8	7.0	10.2	7.7	8.7	6.9	11.1	8.0	
16	12	66.9	5.8	5.2	4.9	4.5	8.8	7.0	10.3	7.7	8.7	6.9	11.4	8.2	
16	16	66.9	5.9	5.2	5.0	4.6	8.9	7.0	10.4	7.7	8.9	7.0	13.1	8.7	
17			61.6	48.9	41.2		34.5	29.3	27.7	34.1					
18			69.3	56.5	48.4		45.5	48.0	55.5	66.7					
19			A	C	E		K	K	E	C					
20			0	0	0		0	0	0	0					
21	04	89.0	0.2	0.5	0.7		0.8	0.8	0.6	0.3					
21	08	89.0	0.2	0.5	0.7		0.8	0.8	0.6	0.3					
21	12	89.0	0.2	0.5	0.8		0.9	0.8	0.7	0.4					
21	16	89.0	0.2	0.5	0.7		0.8	0.8	0.6	0.3					

1	2	3	4	5	6	7	8	9	10	11	12
URS06100	URS	23.0	24.7 24.8	56.6 56.7	0.88 2.00	0.64 2.00	12 0	A883 A887	A884 A882	2 1	2., 4.

13			1		2		3		4		5		6		
14			21.0		21.3		22.8		28.0		23.5		25.8		
15			56.8		55.3		54.4		59.4		59.2		54.1		
16	03	65.0	1.2	1.7	0.7	1.3	0.6	1.2	0.9	1.5	1.9	2.4	-0.1	0.6	
16	07	65.1	1.2	1.7	0.7	1.3	0.5	1.1	1.0	1.6	1.9	2.4	0.0	0.7	
16	15	65.2	1.4	1.9	0.8	1.4	0.6	1.2	1.2	1.7	2.3	2.7	0.0	0.7	
16	19	65.2	2.1	2.6	1.3	1.9	1.1	1.7	1.1	1.7	2.5	2.9	0.6	1.2	
16	23	65.3	0.1	-3.2	-0.9	-3.6	-0.2	-3.3	3.1	-2.3	2.9	-2.4	-0.6	-3.5	
17			37.5	35.0	30.3										
18			69.3	56.9	49.0										
19			C	E	K										
20			0	0	0										
21	03	89.0	1.8	2.1	2.3										
21	07	89.0	1.8	2.1	2.3										
21	15	89.0	1.8	2.1	2.3										
21	19	89.0	2.0	2.3	2.5										
21	23	89.0	-11.2	-10.9	-10.7										

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06101	URS	23.0	24.7 29.5	56.6 51.4	0.88 2.00	0.64 2.00	12 0	A883 A887	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			21.0		21.3		22.8		28.0		23.5		25.8	
15			56.8		55.3		54.4		59.4		59.2		54.1	
16	11	65.1	1.3	1.8	0.7	1.3	0.6	1.2	1.1	1.7	2.0	2.5	0.0	0.7
17			33.0		39.7		38.6		34.1					
18			63.2		60.5		51.7		44.8					
19			C		C		E		K					
20			0		0		0		0					
21	11	89.0	2.3		1.8		1.9		2.1					

1	2	3	4	5	6	7	8	9	10	11	12
URS06400	URS	23.0	45.6 47.2	40.8 40.9	2.16 2.00	0.60 2.00	163 0	A883 A887	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			46.6		48.9		50.3		44.0		41.5		40.0	
15			38.8		38.4		40.3		40.0		41.5		43.4	
16	01	63.9	1.5	2.5	2.1	3.1	3.1	4.0	1.4	2.4	1.5	2.5	0.8	1.8
16	05	63.9	0.6	1.4	1.2	2.0	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	09	64.0	0.6	1.4	1.2	2.0	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	13	64.1	0.6	1.4	1.2	2.0	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	17	64.1	0.7	1.5	1.4	2.2	2.5	3.2	0.6	1.4	0.6	1.4	-0.2	0.6
17			52.5		57.8		56.0		43.9					
18			50.0		47.6		41.5		46.6					
19			E		E		C		E					
20			0		0		0		0					
21	01	89.0	13.2		13.2		13.3		13.3					
21	05	89.0	4.7		4.7		4.8		4.8					
21	09	89.0	4.7		4.7		4.8		4.8					
21	13	89.0	4.6		4.6		4.8		4.8					
21	17	89.0	4.9		4.9		5.1		5.1					

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS064X0	URS	23.0	45.6 47.2	40.8 40.9	2.16 2.00	0.60 2.00	163 0	A883 A887	A884 A882	1 2	2., 4.

			1		2		3		4		5		6	
13														
14			46.6		48.9		50.3		44.0		41.5		40.0	
15			38.8		38.4		40.3		40.0		41.5		43.4	
16	23	64.2	4.5	-2.2	5.5	-2.1	8.7	-1.7	6.5	-1.9	7.8	-1.8	6.6	-1.9
17			52.5		57.8		56.0		43.9					
18			50.0		47.6		41.5		46.6					
19			E		E		C		E					
20			0		0		0		0					
21	23	89.0	-11.4		-11.3		-11.2		-11.2					

1	2	3	4	5	6	7	8	9	10	11	12
URS06500	URS	23.0	32.4 37.7	63.1 55.8	1.18 2.00	0.60 2.00	175 0	A883 A887	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			29.5		30.0		31.7		32.7		37.8		34.8	
15			66.6		63.8		62.9		60.8		61.5		66.6	
16	20	66.6	4.5	3.7	6.2	4.7	6.9	5.1	5.3	4.2	4.7	3.8	5.4	4.3
17			61.6		48.9		41.2		34.5		29.3		27.7	34.1
18			69.3		56.5		48.4		45.5		48.0		55.5	66.7
19			A		C		E		K		K		E	C
20			0		0		0		0		0		0	0
21	20	89.0	-1.6		-1.3		-1.1		-1.0		-1.0		-1.2	-1.4

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 59

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
COM20700	COM	29.0	44.1	-12.1	0.76	0.60	149	A883	A884	2	
			44.1	-12.1	0.76	0.60	149	A887	A882	1	

			1		2		3		4		5		6	
13			43.1		43.1		43.5		44.2		44.4		44.1	
14			-11.4		-11.3		-12.0		-12.0		-12.2		-12.4	
15			N		N		N		N					
16			0		0		0		0					
16	03	63.1	5.6	6.3	5.4	6.1	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
16	07	63.1	5.5	6.2	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.2	8.7
16	11	63.2	5.6	6.3	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
16	15	63.3	5.6	6.3	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
17			43.1		43.1		43.5		44.2		44.4		44.1	
18			-11.4		-11.3		-12.0		-12.0		-12.2		-12.4	
19			N		N		N		N					
20			0		0		0		0					
21	03	84.0	8.4		8.2		10.0		10.3		10.7		10.3	
21	07	84.0	8.4		8.2		10.0		10.3		10.7		10.3	
21	11	84.0	8.4		8.2		10.0		10.3		10.7		10.3	
21	15	84.0	8.4		8.2		10.0		10.3		10.7		10.3	

1	2	3	4	5	6	7	8	9	10	11	12
MAU24200	MAU	29.0	59.8	-18.9	1.62	1.24	55	A883	A884	1	
			59.8	-18.9	1.62	1.24	55	A887	A882	2	

			1		2		3		4		5		6	
13			55.0		62.0		65.0		60.0		56.0		58.0	
14			-18.0		-16.0		-20.0		-14.0		-20.0		-16.0	
15			N		N		N		N					
16			0		0		0		0					
16	02	64.0	5.7	6.0	14.0	11.6	15.2	12.1	5.1	5.5	8.8	8.5	7.4	7.4
16	06	64.0	5.6	5.9	14.0	11.6	15.1	12.0	5.1	5.5	8.7	8.4	7.3	7.3
16	10	64.1	5.6	5.9	14.1	11.6	15.4	12.2	5.1	5.5	8.8	8.5	7.4	7.4
16	14	64.1	5.7	6.0	14.5	11.8	16.2	12.4	5.2	5.6	8.9	8.5	7.5	7.5
16	18	64.2	5.7	6.2	14.4	12.7	16.0	13.5	5.2	5.8	8.8	8.9	7.4	7.7
17			55.0		62.0		65.0		60.0		56.0		58.0	
18			-18.0		-16.0		-20.0		-14.0		-20.0		-16.0	
19			N		N		N		N					
20			0		0		0		0					
21	02	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	06	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	10	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	14	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	18	84.0	6.2		8.3		6.1		6.0		7.8		8.1	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 60

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MAU24300	MAU	29.0	56.8	-13.9	1.56	1.38	65	A883	A884	1	
			56.8	-13.9	1.56	1.38	65	A887	A882	2	

			1		2		3		4		5		6	
13			56.0		58.0		62.0		55.0		53.0		60.0	
14			-10.0		-10.0		-14.0		-18.0		-15.0		-17.0	
15			N		N		N		N					
16			0		0		0		0					
16	04	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.2	6.1	11.7	9.7
16	08	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0	11.7	9.7
16	12	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0	11.7	9.7
16	16	63.9	8.3	7.7	9.3	8.3	10.7	9.2	8.5	7.8	6.2	6.1	11.8	9.7
17			56.0		58.0		62.0		55.0		53.0		60.0	
18			-10.0		-10.0		-14.0		-18.0		-15.0		-17.0	
19			N		N		N		N					
20			0		0		0		0					
21	04	84.0	4.0		3.7		2.7		3.1		4.1		3.8	
21	08	84.0	4.0		3.7		2.7		3.1		4.1		3.8	
21	12	84.0	4.0		3.7		2.7		3.1		4.1		3.8	
21	16	84.0	4.0		3.7		2.7		3.1		4.1		3.8	

1	2	3	4	5	6	7	8	9	10	11	12
MDG23600	MDG	29.0	46.6	-18.8	2.72	1.14	65	A883	A884	2	
			46.2	-18.6	2.57	0.80	67	A887	A882	1	

			1		2		3		4		5		6	
13			49.0		49.2		46.3		43.4		44.0		46.2	
14			-12.3		-18.0		-21.2		-23.2		-18.0		-15.4	
15			P		P		P		P		P		P	
16			0		0		0		0		0		0	
16	01	63.4	12.5	11.5	12.9	11.7	15.3	13.0	15.1	12.9	13.5	12.1	14.0	12.4
16	05	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	09	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	13	63.5	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	17	63.5	8.0	7.3	9.6	8.4	12.9	10.0	12.6	9.9	10.6	8.9	11.1	9.2
17			49.0		49.2		46.3		43.4		44.0		46.2	
18			-12.3		-18.0		-21.2		-23.2		-18.0		-15.4	
19			P		P		P		P		P		P	
20			0		0		0		0		0		0	
21	01	84.0	8.2		5.8		10.6		8.6		6.5		10.2	
21	05	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	09	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	13	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	17	84.0	4.7		2.3		7.1		5.2		3.1		6.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 61

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MYT09800	F	29.0	45.1	-12.8	0.60	0.60	0	A883	A884	1	8/GR7
			45.1	-12.8	0.60	0.60	0	A887	A882	2	

13			1	
14			45.0	
15			-12.8	
16	24	63.4	18.3	19.3
16	28	63.5	19.0	20.0
16	32	63.5	19.0	20.0
16	36	63.6	19.0	20.0
17			45.0	
18			-12.8	
19			N	
20			0	
21	24	84.0	43.8	
21	28	84.0	44.9	
21	32	84.0	44.8	
21	36	84.0	44.9	

1	2	3	4	5	6	7	8	9	10	11	12
MYT09801	F	29.0	45.1	-12.8	0.60	0.60	0	A883	A884	1	8/GR7
			3.7	45.6	1.98	1.71	22	A887	A882	2	

13			1				
14			45.0				
15			-12.8				
16	40	63.6	19.5	20.0			
17			2.5	8.1	9.5	3.0	-1.9	-4.5
18			51.2	49.1	41.2	48.5	43.3	48.5
19			E	H	K	K	H	H
20			0	0	0	0	0	0
21	40	84.0	20.4	20.0	20.2	21.7	19.9	20.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 62

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
REU09700	F	29.0	55.6	-19.2	1.56	0.78	96	A883	A884	1	8/GR5
			55.6	-19.2	1.56	0.78	96	A887	A882	2	

13			1		2		3		4	
14			54.7		55.4		55.8		58.0	
15			-15.7		-21.1		-21.4		-20.0	
16	22	63.9	15.4	16.4	18.1	19.1	18.3	19.3	16.3	17.3
16	26	64.0	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
16	30	64.1	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
16	34	64.1	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
17			54.7	55.4	55.8	58.0				
18			-15.7	-21.1	-21.4	-20.0				
19			N	P	N	N				
20			0	0	0	0				
21	22	84.0	37.0	38.0	38.1	35.2				
21	26	84.0	39.3	40.3	40.4	37.5				
21	30	84.0	39.2	40.2	40.4	37.5				
21	34	84.0	39.3	40.3	40.5	37.6				

1	2	3	4	5	6	7	8	9	10	11	12
REU09701	F	29.0	55.6	-19.2	1.56	0.78	96	A883	A884	1	8/GR5
			3.7	45.2	1.94	1.68	24	A887	A882	2	

13			1		2		3		4	
14			54.7		55.4		55.8		58.0	
15			-15.7		-21.1		-21.4		-20.0	
16	38	64.2	16.2	16.9	19.0	19.4	19.2	19.6	17.3	17.9
17			2.6	8.1	9.5	3.0	-1.9	-1.5		
18			51.2	43.1	41.2	42.5	43.3	48.5		
19			E	H	K	K	H	H		
20			0	0	0	0	0	0		
21	38	84.0	18.6	19.8	18.7	20.1	18.4	19.5		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 63

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRN10900	IRN	34.0	54.2	32.4	3.82	1.82	149	A883	A884	2	
			54.2	32.4	3.82	1.82	149	A887	A882	1	

			1		2		3		4		5		6	
13														
14			60.2		61.5		61.1		48.2		46.1		44.9	
15			25.2		31.0		36.5		30.3		33.1		39.4	
16	03	62.8	7.3	7.6	6.8	7.1	7.8	8.0	11.6	10.9	12.3	11.3	10.8	10.3
16	07	62.8	7.3	7.6	6.7	7.1	7.7	7.9	11.6	10.9	12.2	11.3	10.7	10.2
16	11	62.9	7.3	7.9	6.8	7.4	7.6	8.1	11.7	11.6	12.5	12.2	11.1	11.1
16	15	63.0	8.5	9.1	7.6	8.3	8.1	8.7	11.9	12.1	12.6	12.7	11.2	11.5
16	19	63.0	7.2	7.9	8.9	9.5	6.8	7.6	10.4	10.9	10.5	11.0	8.6	9.2
17			48.0	44.6	56.5		61.2	61.8	63.3		61.4	55.1	48.2	45.4
18			39.7	39.8	38.2		36.6	31.3	27.1		25.1	25.9	30.3	34.0
19			K	K	C		C	E	E		E	C	E	K
20			0	0	0		0	0	0		0	0	0	0
21	03	84.0	6.9	6.1	6.6		5.7	7.5	6.7		6.3	6.7	7.0	6.9
21	07	84.0	6.9	6.2	6.6		5.7	7.6	6.7		6.3	6.8	7.0	7.0
21	11	84.0	9.3	8.5	9.0		8.1	9.9	9.1		8.7	9.1	9.3	9.3
21	15	84.0	11.0	10.3	10.7		9.8	11.7	10.8		10.4	10.8	11.1	11.1
21	19	84.0	11.5	10.7	11.2		10.3	12.1	11.3		10.9	11.3	11.5	11.5

1	2	3	4	5	6	7	8	9	10	11	12
PAK12700	PAK	38.0	69.6	29.5	2.30	2.16	14	A883	A884	1	
			69.6	29.5	2.30	2.16	14	A887	A882	2	

			1		2		3		4		5		6	
13														
14			70.0		74.5		75.0		74.5		71.7		66.5	
15			34.0		35.7		32.3		30.8		28.4		30.9	
16	02	63.9	4.8	5.7	1.9	2.9	4.3	5.2	5.4	6.3	7.9	8.8	8.1	9.0
16	06	64.0	4.7	5.6	1.8	2.8	4.3	5.2	5.4	6.3	7.8	8.7	8.0	8.9
16	10	64.0	4.8	5.7	1.8	2.8	4.3	5.3	5.4	6.3	7.9	8.8	8.1	9.0
17			70.0	74.5	75.0		74.5	71.7	66.5					
18			34.0	35.7	32.3		30.8	28.4	30.9					
19			C	E	E		E	E	E					
20			0	0	0		0	0	0					
21	02	84.0	15.3	14.4	15.7		16.0	16.4	16.0					
21	06	84.0	14.5	13.6	14.9		15.1	15.6	15.2					
21	10	84.0	15.9	15.0	16.3		16.6	17.0	16.7					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 64

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK21000	PAK	38.0	72.1	30.8	1.16	0.72	90	A883	A884	1	
			72.1	30.8	1.16	0.72	90	A887	A882	2	

			1		2		3		4		5		6	
13														
14			75.2		70.1		72.3		73.7		71.8		70.4	
15			32.2		27.8		33.7		33.9		28.0		31.3	
16	12	63.5	-0.1	0.7	0.1	0.9	-1.4	-0.5	-0.7	0.1	-0.7	0.1	1.7	2.4
16	14	63.6	1.5	2.5	6.2	7.2	2.0	3.0	2.1	3.1	5.1	6.1	4.5	5.5
17			75.2	70.1	72.3		73.7	71.8	70.4					
18			32.2	27.8	33.7		33.9	28.0	31.3					
19			E	E	E		E	E	E					
20			0	0	0		0	0	0					
21	12	84.0	4.3	5.6	5.1		5.9	5.5	5.3					
21	14	84.0	17.8	19.1	18.6		19.4	19.0	18.8					

1	2	3	4	5	6	7	8	9	10	11	12
PAK28100	PAK	38.0	65.2	27.9	1.52	1.42	28	A883	A884	1	
			65.2	27.9	1.52	1.42	28	A887	A882	2	

			1		2		3		4		5		6	
13														
14			69.5		61.8		61.3		66.8		69.3		66.4	
15			32.2		25.2		29.5		25.0		28.6		30.5	
16	18	63.0	2.6	3.5	6.5	7.3	7.2	7.9	8.9	9.5	5.7	6.5	8.7	9.3
16	22	63.1	2.8	3.7	13.5	13.6	13.0	13.2	12.5	12.8	6.1	6.9	9.8	10.4
17			69.5	61.8	61.3		66.8	69.3	66.4					
18			32.2	25.2	29.5		25.0	28.6	30.5					
19			E	E	E		E	E	E					
20			0	0	0		0	0	0					
21	18	84.0	10.1	11.6	10.3		10.9	11.7	12.4					
21	22	84.0	10.8	12.3	11.1		11.7	12.4	13.1					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 65

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK28200	PAK	38.0	68.5	25.8	1.32	0.62	133	A883	A884	1	
			68.5	25.8	1.32	0.62	133	A887	A882	2	

			1		2		3		4		5	
13			66.8		71.0		68.3		68.1		67.2	
14			25.2		24.2		28.7		24.1		27.2	
16	20	63.3	3.8	4.8	3.9	4.9	-1.1	-0.1	5.4	6.3	2.9	3.9
16	24	63.4	2.6	3.6	3.3	4.3	-1.3	-0.3	4.3	5.3	2.3	3.3

			1	2	3	4	5
17			66.8	71.0	68.3	68.1	67.2
18			25.2	24.3	28.7	24.1	27.2
19			E	K	E	E	E
20			0	0	0	0	0
21	20	84.0	15.4	16.3	15.3	16.5	18.1
21	24	84.0	19.1	20.0	19.0	20.3	21.8

1	2	3	4	5	6	7	8	9	10	11	12
PAK28300	PAK	38.0	74.7	33.9	1.34	1.13	160	A883	A884	1	
			74.7	33.9	1.34	1.13	160	A887	A882	2	

			1		2		3		4		5		6	
13			70.3		79.8		79.1		75.1		72.8		70.0	
14			31.2		35.6		32.7		37.2		36.7		34.0	
16	04	64.3	3.0	4.0	4.8	5.8	2.5	3.5	7.0	8.0	6.8	7.8	5.5	6.5
16	08	64.3	3.1	4.1	4.8	5.7	2.6	3.6	7.0	7.9	6.8	7.7	5.6	6.5

			1	2	3	4	5	6
17			70.3	79.8	75.1	72.8	70.0	79.0
18			31.2	35.6	37.2	36.7	34.0	32.5
19			E	C	C	E	C	E
20			0	0	0	0	0	0
21	04	84.0	19.8	20.4	20.1	19.8	20.1	19.6
21	08	84.0	13.6	14.3	13.9	13.6	14.0	13.5

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 66

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLD30600	MLD	44.0	73.1	6.0	0.96	0.60	90	A883	A884	1	
			73.1	6.0	0.96	0.60	90	A887	A882	1	

			1		2		3		4		5		6	
13			71.0		71.0		75.0		75.0		73.0		73.0	
14			5.0		7.5		5.0		7.0		3.0		8.0	
16	12	63.7	4.4	4.2	2.3	2.5	4.6	4.4	4.4	4.2	5.1	4.7	5.8	5.2
16	16	63.7	6.3	5.7	4.7	4.5	6.4	5.7	6.5	5.8	6.8	6.0	8.5	7.0

			1
17			73.1
18			6.0
19			N
20			0
21	12	84.0	0.4
21	16	84.0	0.7

1	2	3	4	5	6	7	8	9	10	11	12
URS06600	URS	44.0	64.3	44.6	4.56	2.48	169	A883	A884	2	2.
			64.8	38.3	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13			53.9		62.4		71.6		69.0		87.3		46.6	
14			37.3		35.2		37.3		59.1		49.2		48.7	
16	20	65.4	7.7	8.5	9.2	9.9	7.6	8.4	16.8	16.4	8.9	9.6	12.2	12.7

			1	2	3	4	5
17			68.4	73.4	72.7	57.6	61.2
18			46.6	44.4	38.7	38.0	43.7
19			E	C	E	C	E
20			0	0	0	0	0
21	20	89.0	11.9	11.9	12.0	12.2	12.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 67

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06601	URS	44.0	64.3 73.8	44.6 41.4	4.56 2.00	2.48 2.00	169 0	A883 A887	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	24	65.4	7.8	8.6	10.2	10.9	8.5	9.3	17.1	16.7	14.5	14.7	16.0	15.9
16	32	65.5	8.1	9.1	12.1	13.0	18.0	18.7	19.2	19.8	1.7	2.7	13.6	14.5
17			81.2		87.1		65.4		71.0					
18			50.8		48.6		40.9		47.2					
19			E		E		E		E					
20			0		0		0		0					
21	24	89.0	12.5		12.4		12.8		12.6					
21	32	89.0	21.0		20.9		21.3		21.1					

1	2	3	4	5	6	7	8	9	10	11	12
URS06602	URS	44.0	64.3 58.0	44.6 59.0	4.56 2.00	2.48 2.00	169 0	A883 A887	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	28	65.5	8.1	9.1	12.1	13.1	17.9	18.7	13.9	14.8	13.9	14.8	13.5	14.4
17			70.4		61.5		54.4		48.9		47.0		56.1	
18			59.8		50.8		47.7		50.4		58.7		74.0	
19			C		E		C		E		C		A	
20			0		0		0		0		0		0	
21	28	89.0	23.2		23.4		23.5		23.5		23.3		22.9	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 68

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06603	URS	44.0	64.3 37.7	44.6 55.8	4.56 2.00	2.48 2.00	169 0	A883 A887	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	36	65.6	8.2	9.2	12.1	13.1	18.2	19.1	19.6	20.4	16.7	17.6	13.7	14.7
16	40	65.6	8.2	9.2	12.1	13.1	18.2	19.1	19.7	20.6	16.8	17.7	14.5	15.5
17			45.0		47.5		44.5		39.1		32.9		27.5	
18			67.0		55.7		48.2		45.5		48.3		56.2	
19			A		C		E		K		K		E	
20			0		0		0		0		0		0	
21	36	89.0	25.0		25.3		25.5		25.5		25.4		25.2	
21	40	89.0	25.4		25.6		25.8		25.8		25.7		25.6	

1	2	3	4	5	6	7	8	9	10	11	12
URS06700	URS	44.0	62.4 37.7	58.5 55.8	3.20 2.00	1.52 2.00	169 0	A883 A887	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			50.9		47.3		48.8		61.5		74.3		85.9	
15			51.9		62.3		67.3		50.8		53.5		61.6	
16	05	66.4	11.5	12.3	12.6	13.4	12.3	13.1	13.0	13.7	13.5	14.2	15.5	16.0
16	09	66.4	11.4	12.2	12.6	13.4	12.3	13.1	12.9	13.6	13.4	14.1	15.4	16.0
17			45.0		47.5		44.5		39.1		32.9		27.5	
18			67.0		55.7		48.2		45.5		48.3		56.2	
19			A		C		E		K		K		E	
20			100		100		100		100		100		100	
21	05	89.0	16.1		16.3		16.5		16.5		16.4		16.3	
21	09	89.0	16.1		16.3		16.5		16.5		16.4		16.3	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 69

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06701	URS	44.0	62.4 58.0	58.5 59.0	3.20 2.00	1.52 2.00	169 0	A883 A887	A884 A882	1 1	2.

13			1		2		3		4		5	6
14			50.9		47.3		48.8		61.5		74.3	85.9
15			51.9		62.3		67.3		50.8		53.5	61.6
16	13	66.5	11.2	10.2	12.5	11.0	12.5	11.0	11.7	10.5	12.3 10.8	14.8 12.1
17			70.4	61.5	54.4		48.9	47.0	56.1			
18			59.8	50.8	47.7		50.4	58.7	74.0			
19			C	E	C		E	C	A			
20			0	0	0		0	0	0			
21	13	89.0	4.7	5.0	5.1		5.0	4.8	4.5			

1	2	3	4	5	6	7	8	9	10	11	12
URS06702	URS	44.0	62.4 73.8	58.5 41.4	3.20 2.00	1.52 2.00	169 0	A883 A887	A884 A882	1 1	2.

13			1		2		3		4		5	6
14			50.9		47.3		48.8		61.5		74.3	85.9
15			51.9		62.3		67.3		50.8		53.5	61.6
16	01	66.3	13.5	12.5	15.9	13.8	15.4	13.6	13.8	12.7	13.8 12.7	16.5 14.1
17			81.2	87.1	65.4	71.0						
18			50.8	48.6	40.9	47.2						
19			E	E	E	E						
20			1000	1000	1000	1000						
21	01	89.0	6.8	6.8	7.1	7.0						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 70

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06800	URS	44.0	59.0 73.8	38.8 41.4	2.24 2.00	1.00 2.00	164 0	A883 A887	A884 A882	2 1	2.

13			1		2		3		4		5	6
14			62.5		66.5		57.3		58.9		53.7	52.5
15			35.2		37.4		38.3		42.7		37.4	41.8
16	26	64.0	17.4	18.4	17.2	18.2	18.9	19.9	15.4	16.4	14.6 15.6	12.2 13.2
17			81.2	87.1	65.4	71.0						
18			50.8	48.6	40.9	47.2						
19			E	E	E	E						
20			0	0	0	0						
21	26	89.0	34.3	34.2	34.6	34.4						

1	2	3	4	5	6	7	8	9	10	11	12
URS06801	URS	44.0	59.0 64.8	38.8 38.3	2.24 2.00	1.00 2.00	164 0	A883 A887	A884 A882	2 1	2.

13			1		2		3		4		5	6
14			62.5		66.5		57.3		58.9		53.7	52.5
15			35.2		37.4		38.3		42.7		37.4	41.8
16	30	64.1	17.4	18.4	17.3	18.3	18.9	19.8	15.5	16.5	14.6 15.6	12.2 13.2
17			68.4	73.4	72.7	57.6	61.2					
18			46.6	44.4	38.7	38.0	43.7					
19			E	C	E	C	E					
20			0	0	0	0	0					
21	30	89.0	28.8	28.8	28.9	29.1	28.9					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 71

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06900	URS	44.0	70.8 64.8	38.5 38.3	1.36 2.00	0.74 2.00	161 0	A883 A887	A884 A882	2 2	2.

			1	2	3	4	5	6
13								
14			67.9	71.9	75.1	74.9	70.3	67.3
15			37.0	36.6	37.3	38.5	41.3	39.5
16	12	64.1	4.3 3.5	1.1 1.1	-0.8 -0.4	1.6 1.5	4.7 3.8	5.7 4.4
16	16	64.1	6.2 5.1	5.0 4.3	3.8 3.5	5.8 4.8	6.9 5.5	7.7 5.9
17			68.4	73.4	72.7	57.6	61.2	
18			46.6	44.4	38.7	38.0	43.7	
19			E	C	E	C	E	
20			0	0	0	0	0	
21	12	89.0	-1.8	-1.8	-1.6	-1.5	-1.7	
21	16	89.0	-0.8	-0.8	-0.7	-0.5	-0.7	

1	2	3	4	5	6	7	8	9	10	11	12
URS07000	URS	44.0	73.9 73.8	41.0 41.4	1.34 2.00	0.84 2.00	5 0	A883 A887	A884 A882	2 1	2.

			1	2	3	4	5	6
13								
14			78.2	74.2	80.3	73.8	69.3	70.2
15			41.1	43.3	42.2	38.4	39.5	41.5
16	18	64.5	9.0 9.5	12.4 12.3	8.8 9.3	4.0 4.8	7.5 8.1	10.4 10.7
16	22	64.6	9.8 10.2	12.9 12.7	10.6 10.9	4.2 5.0	7.9 8.5	10.9 11.1
17			81.2	87.1	65.4	71.0		
18			50.8	48.6	40.9	47.2		
19			E	E	E	E		
20			0	0	0	0		
21	18	89.0	9.0	9.0	9.3	9.2		
21	22	89.0	8.9	8.9	9.2	9.1		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 72

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07100	URS	44.0	63.1 73.8	42.0 41.4	2.64 2.00	0.84 2.00	170 0	A883 A887	A884 A882	2 1	2.

			1	2	3	4	5	6
13								
14			67.8	73.1	71.0	61.8	56.0	56.0
15			37.2	40.8	42.2	41.1	41.3	45.0
16	34	64.4	14.1 15.1	9.4 10.4	9.9 10.9	18.8 19.8	15.9 16.9	14.8 15.8
16	38	64.5	14.0 15.0	9.3 10.3	9.8 10.8	18.8 19.8	16.1 17.1	13.7 14.7
17			81.2	87.1	65.4	71.0		
18			50.8	48.6	40.9	47.2		
19			E	E	E	E		
20			0	0	0	0		
21	34	89.0	34.9	34.8	35.2	35.0		
21	38	89.0	33.6	33.6	33.9	33.8		

1	2	3	4	5	6	7	8	9	10	11	12
URS07200	URS	44.0	70.1 58.0	61.5 59.0	2.38 2.00	0.66 2.00	173 0	A883 A887	A884 A882	1 2	2.

			1	2	3	4	5	6
13								
14			75.0	69.4	65.9	59.8	85.9	63.1
15			58.6	59.9	58.6	61.9	61.9	66.2
16	07	67.1	15.6 16.2	16.0 16.6	14.0 14.7	13.9 14.6	16.1 16.6	13.1 13.9
17			70.4	61.5	54.4	48.9	47.0	56.1
18			59.8	50.8	47.7	50.4	58.7	74.0
19			C	E	C	E	C	A
20			0	0	0	0	0	0
21	07	89.0	16.9	17.2	17.3	17.2	17.0	16.7

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 73

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07300	URS	44.0	54.3 58.0	63.5 59.0	1.58 2.00	0.66 2.00	3 0	A883 A887	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			49.5		45.8		47.3		52.4		59.2		66.0	
15			59.3		64.2		62.2		67.1		61.6		67.5	
16	03	66.9	10.6	11.5	11.7	12.5	12.4	13.2	13.1	13.9	13.1	13.9	13.4	14.2
17			70.4	61.5	54.4		48.9	47.0	56.1					
18			59.8	50.8	47.7		50.4	58.7	74.0					
19			C	E	C		E	C	A					
20			0	0	0		0	0	0					
21	03	89.0	17.0	17.2	17.3		17.3	17.1	16.7					

1	2	3	4	5	6	7	8	9	10	11	12
AFG24500	AFG	50.0	70.2 67.0	35.5 34.3	1.32 1.89	1.13 1.19	53 18	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			74.8		71.0		67.7		67.2		68.0		68.8	
15			37.2		38.5		37.3		34.0		31.6		31.6	
16	03	62.8	2.9	3.7	4.2	4.9	2.0	2.8	1.9	2.7	0.5	1.4	0.7	1.6
16	07	62.9	2.6	3.4	4.0	4.7	1.8	2.6	1.8	2.6	0.4	1.3	0.6	1.5
16	11	62.9	3.0	3.7	4.0	4.7	1.8	2.6	2.0	2.8	0.7	1.5	0.8	1.6
16	15	63.0	3.6	4.3	4.5	5.1	2.1	2.9	2.5	3.3	1.1	1.9	1.3	2.1
17			69.2	62.1	64.8		70.0	62.2	70.6					
18			34.5	32.4	35.9		33.3	34.4	37.2					
19			E	E	C		E	C	E					
20			0	0	0		0	0	0					
21	03	84.0	8.3	6.7	6.8		6.9	6.3	6.9					
21	07	84.0	8.3	6.7	6.8		6.9	6.3	6.9					
21	11	84.0	8.2	6.6	6.7		6.8	6.2	6.8					
21	15	84.0	8.2	6.6	6.8		6.8	6.2	6.8					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 74

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AFG24600	AFG	50.0	64.5 67.0	33.1 34.3	1.44 1.89	1.40 1.19	21 18	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			67.7		65.6		61.2		60.5		61.0		62.5	
15			37.3		37.5		35.4		34.0		29.9		29.3	
16	01	63.4	-0.2	0.4	0.1	0.7	2.9	3.1	5.1	4.9	7.6	6.6	7.4	6.5
16	05	63.4	-0.3	0.6	-0.1	0.8	2.8	3.6	5.0	5.7	7.5	7.9	7.1	7.6
16	09	63.4	-0.3	0.6	-0.1	0.8	2.8	3.6	5.0	5.7	7.5	7.9	7.1	7.6
16	13	63.4	-0.3	0.6	-0.1	0.8	3.0	3.8	5.4	6.0	8.9	9.0	8.7	8.9
17			69.2	62.1	64.8		70.0	62.2	70.6					
18			34.5	32.4	35.9		33.3	34.4	37.2					
19			E	E	C		E	C	E					
20			0	0	0		0	0	0					
21	01	84.0	3.0	1.4	1.5		1.6	1.0	1.6					
21	05	84.0	9.2	7.6	7.7		7.8	7.1	7.8					
21	09	84.0	9.1	7.5	7.6		7.7	7.1	7.7					
21	13	84.0	8.5	6.9	7.0		7.1	6.4	7.1					

1	2	3	4	5	6	7	8	9	10	11	12
CLN21900	CLN	50.0	80.6 80.6	7.7 7.7	1.18 1.18	0.60 0.60	106 106	A883 A887	A884 A882	1 2	

			1		2		3		4	
13										
14			80.0		79.8		81.0		82.0	
15			10.0		7.5		6.0		7.4	
16	02	63.7	2.9	3.5	6.0	6.2	8.6	8.3	6.5	6.7
16	06	63.6	2.8	3.4	6.0	6.2	8.5	8.2	6.4	6.6
16	10	63.7	2.8	3.4	6.0	6.2	8.6	8.3	6.5	6.7
16	14	63.8	2.8	3.4	6.0	6.2	8.6	8.3	6.5	6.7
17			80.0	79.8	81.0		82.0			
18			10.0	7.5	6.0		7.4			
19			N	N	N		N			
20			0	0	0		0			
21	02	84.0	5.2	5.6	6.3		4.2			
21	06	84.0	5.3	5.6	6.3		4.2			
21	10	84.0	5.2	5.6	6.3		4.2			
21	14	84.0	5.3	5.6	6.3		4.2			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 75

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NPL12200	NPL	50.0	83.7	28.3	1.72	0.60	163	A883	A884	2	
			83.7	28.3	1.72	0.60	163	A887	A882	1	

			1		2		3		4		5		6	
13														
14			80.2		82.0		84.2		88.0		88.0		83.0	
15			28.8		30.1		29.1		27.9		26.5		27.5	
16	17	64.6	3.8	4.8	3.3	4.3	8.4	9.3	6.1	7.1	3.1	4.1	7.9	8.8
16	19	64.6	3.7	4.2	2.9	3.5	7.5	7.5	5.4	5.7	2.5	3.1	7.2	7.2
16	21	64.6	4.4	4.9	3.5	4.1	8.5	8.2	5.8	6.1	2.8	3.4	8.3	8.1
17			80.2		82.0		84.2		88.0		88.0		83.0	
18			28.8		30.1		29.1		27.9		26.5		27.5	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	17	84.0	19.4		17.7		18.5		18.8		17.5		18.3	
21	19	84.0	6.1		4.4		5.2		5.5		4.2		5.0	
21	21	84.0	6.1		4.4		5.2		5.5		4.2		5.0	

1	2	3	4	5	6	7	8	9	10	11	12
IND03800	IND	56.0	75.9	33.4	1.52	1.08	33	A883	A884	1	3.
			75.9	33.4	1.52	1.08	33	A887	A882	2	

			1		2		3		4		5		6	
13														
14			73.9		73.6		72.5		74.6		80.3		79.0	
15			30.0		33.1		35.9		37.0		35.7		31.2	
16	19	64.3	0.5	1.2	5.1	5.4	2.5	3.1	4.1	4.5	7.3	7.2	-3.4	-2.5
16	21	64.4	1.5	2.3	7.3	7.5	6.1	6.4	6.9	7.1	9.8	9.4	-3.1	-2.2
17			73.9		73.6		72.5		74.6		80.3		79.0	
18			30.0		33.1		35.9		37.0		35.7		31.2	
19			E		E		E		K		K		K	
20			0		0		0		0		0		0	
21	19	84.0	6.8		8.5		3.5		4.1		7.1		4.3	
21	21	84.0	8.3		10.1		5.0		5.7		8.7		5.8	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 76

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03900	IND	56.0	72.7	11.2	1.26	0.60	107	A883	A884	1	3.
			72.7	11.2	1.26	0.60	107	A887	A882	2	

			1		2		3	
13								
14			71.9		73.7		73.0	
15			12.3		10.9		8.3	
16	01	63.2	9.2	10.2	9.6	10.6	10.2	11.2
16	09	63.2	8.1	8.6	8.5	8.9	8.7	9.1
17			71.9		73.7		73.0	
18			12.3		10.9		8.3	
19			N		N		N	
20			0		0		0	
21	01	84.0	29.6		28.3		27.6	
21	09	84.0	9.8		8.5		7.8	

1	2	3	4	5	6	7	8	9	10	11	12
IND04000	IND	56.0	73.0	25.0	1.82	1.48	58	A883	A884	2	3.
			73.0	25.0	1.82	1.48	58	A887	A882	1	

			1		2		3		4		5		6	
13														
14			67.8		69.5		73.5		78.2		76.8		73.1	
15			24.0		27.0		30.0		27.0		24.2		20.1	
16	08	63.7	8.8	8.7	3.9	4.5	-0.7	0.2	3.0	3.7	7.5	7.7	8.6	8.6
16	16	63.8	8.1	9.0	6.6	7.5	2.7	3.7	2.3	3.3	8.3	9.2	8.5	9.4
17			67.8		69.5		73.5		78.2		76.8		73.1	
18			24.0		27.0		30.0		27.0		24.2		20.1	
19			K		E		E		K		K		N	
20			0		0		0		0		0		0	
21	08	84.0	5.4		5.9		6.0		5.9		6.4		5.6	
21	16	84.0	15.2		15.8		15.8		15.8		16.3		15.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 77

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04100	IND	56.0	78.4 78.4	16.0 16.0	2.08 2.08	1.38 1.38	35 35	A883 A887	A884 A882	2 1	3.

			1		2		3		4		5	
14			73.6		78.3		84.9		80.2		76.8	
15			15.7		19.8		19.0		13.5		11.8	
16	18	63.8	10.4	10.4	3.3	4.1	1.9	2.8	12.2	11.8	11.3	11.2
16	24	63.9	11.6	12.4	3.2	4.2	2.1	3.1	12.7	13.4	13.0	13.7
17			73.6	78.6	84.9	80.2	76.8					
18			15.7	19.8	19.0	13.5	11.8					
19			N	N	N	N	N					
20			0	0	0	0	0					
21	18	84.0	8.2	7.8	7.5	8.1	7.8					
21	24	84.0	16.3	15.9	15.6	16.2	15.9					

1	2	3	4	5	6	7	8	9	10	11	12
IND04300	IND	56.0	77.8 77.8	11.1 11.1	1.36 1.36	1.28 1.28	172 172	A883 A887	A884 A882	1 2	3.

			1		2		3		4		5	
14			77.5		74.8		80.3		79.8		79.5	
15			8.1		12.8		13.5		10.2		9.1	
16	03	63.4	5.6	6.6	6.2	7.2	5.8	6.8	5.0	6.0	3.9	4.9
16	11	63.5	5.4	6.4	6.1	7.1	5.8	6.8	4.9	5.9	3.8	4.8
17			77.5	74.8	80.3	79.8	79.5					
18			8.1	12.8	13.5	10.2	9.1					
19			N	N	N	N	N					
20			0	0	0	0	0					
21	03	84.0	20.2	20.0	20.2	21.9	21.0					
21	11	84.0	20.2	19.9	20.1	21.8	21.0					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 78

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04500	IND	56.0	76.2 76.2	19.5 19.5	1.58 1.58	1.58 1.58	21 21	A883 A887	A884 A882	2 1	3.

			1		2		3		4		5		6	
14			74.0		72.6		74.4		80.0		80.2		74.0	
15			15.7		19.9		22.0		21.6		18.8		15.7	
16	06	63.6	4.4	5.3	4.0	4.9	3.1	4.0	4.9	5.8	6.5	7.4	4.4	5.3
16	14	63.7	5.1	6.0	8.5	9.3	8.2	9.0	7.4	8.2	7.7	8.5	5.1	6.0
17			74.0	72.6	74.4	80.0	80.2							
18			15.7	19.9	22.0	21.6	18.8							
19			N	N	K	N	N							
20			0	0	0	0	0							
21	06	84.0	12.5	13.3	13.5	13.0	12.8							
21	14	84.0	12.4	13.2	13.4	12.8	12.6							

1	2	3	4	5	6	7	8	9	10	11	12
CHN15400	CHN	62.0	83.9 101.9	40.5 33.5	2.75 5.10	2.05 2.80	177 143	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
14			73.6		80.0		87.6		96.3		79.0		90.0	
15			39.0		45.0		49.0		42.8		34.3		36.3	
16	02	63.2	0.6	0.6	5.5	4.0	6.7	4.7	4.2	3.3	-0.5	-0.3	1.7	1.5
16	06	63.3	0.6	0.9	5.5	4.7	6.6	5.4	4.2	3.8	-0.5	0.0	1.7	1.9
16	10	63.3	0.6	0.6	5.5	4.0	6.7	4.7	4.2	3.3	-0.5	-0.3	1.7	1.5
17			118.0	128.2	112.3	116.4	86.5							
18			48.0	43.3	22.9	40.0	32.6							
19			F	K	N	K	K							
20			0	0	0	0	0							
21	02	84.0	-2.2	-2.3	-1.5	-0.7	-1.4							
21	06	84.0	-0.5	-0.5	0.3	1.0	0.3							
21	10	84.0	-2.3	-2.3	-1.5	-0.8	-1.5							

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 79

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15401	CHN	62.0	83.9	40.5	2.75	2.05	177	A883	A884	1	
			83.9	40.5	2.75	2.05	177	A887	A882	2	

13			1		2		3		4		5		6
14			73.6		80.0		87.6		96.3		79.0		90.0
15			39.0		45.0		49.0		42.8		34.3		36.3
16	14	63.4	5.2	5.5	11.3	9.8	12.0	10.2	10.7	9.5	2.5	3.1	6.3	6.4
17			73.6	80.0	87.6		96.3	79.0	90.0				
18			39.0	45.0	49.0		42.8	34.3	36.3				
19			C	C	E		C	C	K				
20			0	0	0		0	0	0				
21	14	84.0	3.7	4.7	3.5		3.6	4.2	3.9				

1	2	3	4	5	6	7	8	9	10	11	12
CHN15500	CHN	62.0	88.3	31.5	3.38	1.45	162	A883	A884	2	
			101.9	33.5	5.10	2.80	143	A887	A882	1	

13			1		2		3		4		5		6
14			90.0		99.0		92.4		89.0		86.0		78.5
15			36.3		30.0		26.9		27.5		28.0		32.5
16	01	62.9	5.7	5.5	1.9	2.4	0.8	1.4	2.5	2.9	1.9	2.4	1.8	2.3
16	05	62.9	2.6	2.5	0.7	0.9	0.0	0.3	0.3	0.6	-0.5	-0.1	0.3	0.6
16	09	63.0	2.6	2.6	0.6	1.0	0.0	0.4	0.4	0.8	-0.4	0.1	0.3	0.7
17			118.0	128.2	112.3		116.4	86.5					
18			48.0	43.3	22.9		40.0	32.6					
19			F	K	N		K	K					
20			0	0	0		0	0					
21	01	84.0	1.8	1.7	2.5		3.3	2.6					
21	05	84.0	-1.0	-1.1	-0.3		0.5	-0.2					
21	09	84.0	-0.4	-0.4	0.4		1.1	0.4					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 80

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15501	CHN	62.0	88.3	31.5	3.38	1.45	162	A883	A884	2	
			88.3	31.5	3.38	1.45	162	A887	A882	1	

13			1		2		3		4		5		6
14			90.0		99.0		92.4		89.0		86.0		78.5
15			36.3		30.0		26.9		27.5		28.0		32.5
16	13	63.0	2.8	2.6	1.0	1.2	0.1	0.4	0.5	0.7	-0.4	0.0	0.5	0.7
17			90.0	99.0	92.4		89.0	86.0	78.5				
18			36.3	30.0	26.9		27.5	28.0	32.5				
19			K	K	K		K	K	C				
20			0	0	0		0	0	0				
21	13	84.0	-1.3	-0.6	-0.5		-0.2	-0.5	-0.5				

1	2	3	4	5	6	7	8	9	10	11	12
CHN15600	CHN	62.0	97.8	36.3	2.56	1.58	157	A883	A884	1	
			101.9	33.5	5.10	2.80	143	A887	A882	2	

13			1		2		3		4		5		6
14			90.2		96.4		105.2		108.5		105.2		95.9
15			38.6		42.7		41.7		35.4		32.6		31.7
16	04	63.5	3.4	2.7	6.0	4.3	5.4	3.9	0.9	0.9	1.8	1.6	3.1	2.5
16	08	63.5	3.4	3.2	5.9	4.9	6.2	5.1	4.2	3.8	3.1	3.0	3.1	3.0
16	12	63.6	5.9	4.0	7.6	4.8	7.1	4.6	3.2	2.4	2.4	1.9	3.6	2.7
17			118.0	128.2	112.3		116.4	86.5					
18			48.0	43.3	22.9		40.0	32.6					
19			F	K	N		K	K					
20			0	0	0		0	0					
21	04	84.0	-2.4	-2.4	-1.6		-0.9	-1.6					
21	08	84.0	-0.7	-0.7	0.1		0.8	0.1					
21	12	84.0	-2.7	-2.8	-2.0		-1.3	-1.9					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 81

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15700	CHN	62.0	102.3 101.9	27.8 33.5	2.56 5.10	1.58 2.80	127 143	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			101.7		97.7		97.5		109.2		105.6		105.8	
15			21.3		24.0		33.0		28.5		23.2		33.0	
16	03	65.2	1.0	1.3	3.1	3.1	3.7	3.6	6.1	5.3	2.6	2.7	5.6	4.9
16	07	65.1	0.9	1.2	3.0	2.9	3.5	3.3	6.1	5.1	2.5	2.5	5.5	4.7
16	11	65.2	1.1	1.4	3.1	3.1	3.6	3.5	5.7	5.0	2.5	2.6	5.5	4.9

17			118.0		128.2		112.3		116.4		86.5			
18			48.0		43.3		22.9		40.0		32.6			
19			F		K		N		K		K			
20			0		0		0		0		0			
21	03	84.0	0.0		-0.1		0.7		1.4		0.8			
21	07	84.0	-0.4		-0.5		0.3		1.1		0.4			
21	11	84.0	0.0		-0.1		0.7		1.5		0.8			

1	2	3	4	5	6	7	8	9	10	11	12
CHN18300	CHN	62.0	104.8 104.8	39.0 39.0	1.48 1.48	0.60 0.60	142 142	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			105.2		103.0		104.5		107.5		106.0		103.2	
15			41.7		42.0		41.8		37.8		35.4		38.0	
16	22	63.8	8.3	9.1	9.5	10.2	8.8	9.6	4.8	5.7	1.3	2.3	7.2	8.0

17			105.2		103.0		104.5		107.5		106.0		103.2	
18			41.7		42.0		41.8		37.8		35.4		38.0	
19			C		C		C		K		K		K	
20			0		0		0		0		0		0	
21	22	84.0	13.9		13.8		14.1		14.9		12.6		13.8	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 82

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18400	CHN	62.0	101.0 101.0	37.9 37.9	2.78 2.78	0.82 0.82	144 144	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			103.0		96.3		93.7		100.7		105.8		107.3	
15			42.0		42.7		40.7		34.0		32.9		37.1	
16	20	63.7	3.3	4.2	3.3	4.2	2.1	3.1	3.7	4.6	0.3	1.3	2.2	3.1

17			103.0		96.3		93.7		100.7		105.8		107.3	
18			42.0		42.7		40.7		34.0		32.9		37.1	
19			C		C		K		K		K		K	
20			0		0		0		0		0		0	
21	20	84.0	12.5		14.0		12.9		13.3		13.6		13.4	

1	2	3	4	5	6	7	8	9	10	11	12
CHN18500	CHN	62.0	95.7 95.7	35.4 35.4	2.10 2.10	1.14 1.14	156 156	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			90.2		101.0		90.4		96.6		101.3		100.0	
15			38.4		37.7		33.0		31.5		33.1		39.0	
16	18	63.4	8.2	9.0	7.6	8.4	5.7	6.6	6.2	7.0	3.8	4.7	8.7	9.4

17			90.2		101.0		90.4		96.6		101.3		100.0	
18			38.4		37.7		33.0		31.5		33.1		39.0	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	18	84.0	12.5		12.5		11.9		12.5		12.9		11.7	

1	2	3	4	5	6	7	8	9	10	11	12
CHN18600	CHN	62.0	102.5 102.5	30.2 30.2	1.91 1.91	1.23 1.23	147 147	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			102.0		99.3		97.4		102.7		110.0		109.0	
15			26.0		28.0		33.2		34.0		31.8		28.1	
16	16	65.5	10.7	11.6	11.7	12.6	11.5	12.4	11.8	12.7	6.6	7.6	10.8	11.7

17			102.0		99.3		97.4		102.7		110.0		109.0	
18			26.0		28.0		33.2		34.0		31.8		28.1	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	16	84.0	19.0		20.2		19.0		19.8		18.6		18.9	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 83

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18800	CHN	62.0	101.5	25.1	1.86	1.08	132	A883	A884	2	
			101.5	25.1	1.86	1.08	132	A887	A882	1	

			1		2		3		4		5		6	
13			101.8		99.1		97.5		98.1		106.0		105.6	
14			21.1		22.1		24.0		28.1		23.4		27.7	
15	24	65.0	8.6	9.3	4.7	5.6	2.2	3.1	5.5	6.3	10.8	11.3	3.5	4.4
16														
17			101.5		99.1		97.5		98.1		106.0		105.6	
18			21.5		22.1		24.0		28.1		23.4		27.7	
19			N		N		N		K		N		K	
20			0		0		0		0		0		0	
21	24	84.0	12.3		11.5		11.6		12.1		12.0		10.8	

1	2	3	4	5	6	7	8	9	10	11	12
CBG29900	CBG	68.0	105.0	12.7	1.01	0.90	110	A883	A884	1	
			105.0	12.7	1.01	0.90	110	A887	A882	2	

			1		2		3		4		5		6	
13			103.5		102.5		104.0		106.5		107.5		106.0	
14			10.5		13.0		14.1		14.0		12.5		11.0	
15	18	64.3	1.7	2.4	2.0	2.6	2.2	2.8	2.3	2.9	2.3	2.9	2.9	3.5
16	20	64.3	1.6	0.7	1.9	0.9	2.2	1.1	2.2	1.1	2.2	1.1	2.9	1.5
16	22	64.3	1.7	0.5	2.0	0.7	2.2	0.8	2.3	0.9	2.3	0.9	3.0	1.3
16	24	64.3	2.3	2.9	2.8	3.4	3.1	3.6	3.3	3.8	3.2	3.7	3.6	4.1
17			103.5		102.5		104.0		106.5		107.5		106.0	
18			10.5		13.0		14.1		14.0		12.5		11.0	
19			P		P		N		N		N		N	
20			0		0		0		0		0		0	
21	18	84.0	3.6		4.2		5.3		5.2		4.4		4.7	
21	20	84.0	-4.8		-4.2		-3.2		-3.3		-4.1		-3.7	
21	22	84.0	-5.4		-4.8		-3.7		-3.8		-4.6		-4.3	
21	24	84.0	3.6		4.2		5.3		5.2		4.4		4.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 84

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2	3.
			93.0	25.5	1.46	1.13	40	A887	A882	1	

			1		2		3		4		5		6	
13			93.0		91.6		89.8		91.5		96.0		97.1	
14			22.0		23.0		26.0		27.8		29.5		27.1	
15	02	64.0	1.9	2.8	4.4	5.3	1.8	2.7	0.5	1.5	-1.0	0.0	-0.5	0.5
16	10	64.0	1.8	2.7	4.3	5.2	1.7	2.6	0.4	1.3	-1.1	-0.1	-0.8	0.2
17			93.0		91.6		89.8		91.5		96.0		97.1	
18			22.0		23.0		26.0		27.8		29.5		27.1	
19			P		N		K		K		K		K	
20			0		0		0		0		0		0	
21	02	84.0	11.3		13.7		12.5		12.1		11.7		12.9	
21	10	84.0	10.2		12.7		11.5		11.0		10.6		11.8	

1	2	3	4	5	6	7	8	9	10	11	12
IND04200	IND	68.0	79.3	27.7	2.14	1.16	147	A883	A884	2	3.
			79.3	27.7	2.14	1.16	147	A887	A882	1	

			1		2		3		4		5		6	
13			78.7		74.5		81.0		83.6		84.6		83.0	
14			24.2		29.9		30.2		27.5		25.8		23.9	
15	20	63.8	1.4	1.7	2.0	2.2	3.0	3.1	1.0	1.4	-1.6	-0.9	-1.1	-0.5
16	22	63.8	1.9	2.1	2.8	2.8	5.6	4.9	1.8	2.0	-1.3	-0.7	-0.9	-0.3
17			78.7		74.5		81.0		83.6		84.6		83.0	
18			24.2		29.9		30.2		27.5		25.8		23.9	
19			K		E		K		K		K		K	
20			0		0		0		0		0		0	
21	20	89.0	0.2		1.1		0.8		1.1		0.5		0.9	
21	22	89.0	-0.2		0.7		0.3		0.6		0.1		0.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 85

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04400	IND	68.0	79.5 79.5	22.3 22.3	2.19 2.19	1.42 1.42	146 146	A883 A887	A884 A882	1 2	3.

			1		2		3		4		5		6	
13														
14			74.1		75.2		78.2		81.5		84.3		81.2	
15			22.6		25.0		26.9		25.2		23.0		17.8	
16	05	63.5	5.8	5.5	4.4	4.4	0.4	1.0	0.8	1.3	0.6	1.1	7.7	6.8
16	13	63.5	6.0	5.4	4.6	4.4	0.4	0.9	0.8	1.3	0.6	1.1	7.8	6.6
17			74.1		75.2		78.2		81.5		84.3		81.2	
18			22.6		25.0		26.9		25.2		23.0		17.8	
19			K		K		K		K		N		N	
20			0		0		0		0		0		0	
21	05	84.0	1.2		2.4		1.6		2.0		1.5		1.6	
21	13	84.0	0.5		1.7		0.9		1.3		0.8		0.9	

1	2	3	4	5	6	7	8	9	10	11	12
IND04600	IND	68.0	84.7 84.7	20.5 20.5	1.60 1.60	0.86 0.86	30 30	A883 A887	A884 A882	1 2	3.

			1		2		3		4		5	
13												
14			81.4		84.0		87.5		84.3		82.3	
15			17.8		22.4		21.7		18.8		21.0	
16	17	63.6	5.9	5.6	0.8	1.4	0.6	1.2	5.1	5.0	3.9	4.1
16	23	63.7	4.5	3.0	1.4	1.0	0.6	0.4	4.8	3.1	3.3	2.3
17			81.4		84.0		87.5		84.3		82.3	
18			17.8		22.4		21.7		18.8		21.0	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	17	84.0	2.6		1.6		4.2		3.5		2.7	
21	23	84.0	-2.6		-3.5		-0.9		-1.6		-2.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 86

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04700	IND	68.0	93.3 93.3	11.1 11.1	1.92 1.92	0.60 0.60	96 96	A883 A887	A884 A882	1 2	3.

			1		2		3		4	
13										
14			93.8		94.2		93.8		92.2	
15			14.8		13.4		6.8		11.5	
16	07	63.5	6.1	7.1	7.6	8.6	10.3	11.3	10.0	11.0
16	15	63.6	2.7	3.7	7.0	8.0	12.8	13.7	10.4	11.4
17			93.8		94.2		93.8		92.2	
18			14.8		13.4		6.8		11.5	
19			P		P		P		N	
20			0		0		0		0	
21	07	84.0	22.4		22.5		21.8		21.2	
21	15	84.0	23.6		23.7		22.9		22.3	

1	2	3	4	5	6	7	8	9	10	11	12
IND04800	IND	68.0	86.2 86.2	25.0 25.0	1.56 1.56	0.90 0.90	120 120	A883 A887	A884 A882	2 1	3.

			1		2		3		4		5		6	
13														
14			83.3		83.8		88.6		89.8		89.0		89.0	
15			25.2		27.4		28.2		26.7		25.3		23.2	
16	04	63.7	0.4	0.7	0.1	0.5	-2.7	-2.0	-2.9	-2.2	1.3	1.5	3.5	3.3
16	12	63.8	0.4	0.3	0.2	0.2	-2.6	-2.2	-2.8	-2.3	1.3	1.0	3.5	2.5
17			83.3		83.8		88.6		89.8		89.0			
18			25.2		27.4		28.2		26.7		25.3			
19			K		K		K		K		N			
20			0		0		0		0		0			
21	04	86.0	2.3		3.6		0.6		-0.7		2.3			
21	12	86.0	-0.1		1.1		-1.9		-3.1		-0.2			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 87

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BGD22000	BGD	74.0	90.3	23.6	1.46	0.84	135	A883	A884	1	
			90.3	23.6	1.46	0.84	135	A887	A882	1	

			1		2		3		4		5		6	
13														
14			89.8		88.0		88.0		89.0		92.5		92.5	
15			26.0		27.0		24.0		22.0		21.5		25.0	
16	15	63.7	7.0	4.9	5.6	4.2	6.9	4.9	5.8	4.3	-2.3	-1.8	1.4	1.3
16	18	63.7	0.0	0.9	-1.9	-1.0	-1.5	-0.6	-1.6	-0.7	0.7	1.5	-1.1	-0.2
16	20	63.7	0.3	0.5	-1.6	-1.1	-1.5	-1.0	-1.6	-1.1	0.7	0.8	-0.8	-0.4
16	22	63.8	0.6	0.3	-1.3	-1.2	-1.4	-1.3	-1.6	-1.4	0.7	0.4	-0.6	-0.6
16	24	63.8	0.3	0.1	-1.4	-1.3	-0.9	-0.9	-0.8	-0.8	0.2	0.0	-2.3	-2.0

17			89.8	88.0	88.0	89.0	92.5	92.5
18			26.0	27.0	24.0	22.0	21.5	25.0
19			K	K	N	N	P	K
20			0	0	0	0	0	0
21	12	84.0	0.3	-1.4	0.1	-0.9	0.2	-2.1
21	14	84.0	8.0	6.3	7.8	6.8	7.9	5.6
21	18	84.0	0.8	-0.9	0.6	-0.5	0.6	-1.7
21	20	84.0	-1.3	-3.0	-1.6	-2.6	-1.5	-3.8
21	22	84.0	-1.4	-3.1	-1.6	-2.6	-1.5	-3.8

1	2	3	4	5	6	7	8	9	10	11	12
BRM29800	BRM	74.0	97.1	19.1	3.58	1.48	104	A883	A884	2	
			97.1	19.1	3.58	1.48	104	A887	A882	2	

			1		2		3		4		5		6	
13														
14			101.0		98.9		99.6		98.0		97.5		92.4	
15			21.7		16.4		11.8		9.5		28.3		21.4	
16	17	63.9	6.3	5.4	9.6	7.2	2.2	2.4	1.2	1.5	3.8	3.6	-0.1	0.4
16	19	63.9	2.8	2.5	7.6	5.5	1.8	1.7	1.0	1.1	2.1	2.0	-1.0	-0.6
16	21	63.9	4.2	3.7	8.3	6.1	1.9	1.9	1.1	1.3	3.9	3.5	-0.9	-0.4
16	23	64.0	4.0	3.8	8.3	6.5	1.9	2.1	1.1	1.4	3.6	3.5	-0.9	-0.3

17			101.0	98.9	99.6	98.0	97.5	92.4
18			21.7	16.4	11.8	9.5	28.3	21.4
19			N	P	P	P	K	P
20			0	0	0	0	0	0
21	17	84.0	0.6	2.9	1.3	0.6	1.1	-0.1
21	19	84.0	-0.8	1.4	-0.2	-0.8	-0.3	-1.6
21	21	84.0	-0.2	2.0	0.5	-0.2	0.3	-1.0
21	23	84.0	0.5	2.7	1.2	0.5	1.0	-0.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 88

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BRU33000	BRU	74.0	114.7	4.4	0.60	0.60	0	A883	A884	1	
			114.7	4.4	0.60	0.60	0	A887	A882	2	

			1		2		3	
13								
14			114.6		114.2		115.0	
15			4.0		4.6		4.9	
16	12	62.5	11.3	12.1	11.8	12.6	11.3	12.1
16	14	62.6	9.1	10.0	9.7	10.6	9.1	10.0

17			114.6	114.2	115.0
18			4.0	4.6	4.9
19			P	P	P
20			0	0	0
21	03	84.0	16.8	16.2	15.8
21	07	84.0	16.7	16.1	15.7

1	2	3	4	5	6	7	8	9	10	11	12
LAO28400	LAO	74.0	103.7	18.1	2.16	0.78	133	A883	A884	1	
			103.7	18.1	2.16	0.78	133	A887	A882	1	

			1		2		3		4		5		6	
13														
14			100.0		102.0		104.5		101.0		105.5		107.5	
15			20.5		22.5		20.0		17.6		14.0		14.5	
16	02	63.8	4.3	3.9	3.3	3.2	5.2	4.6	3.5	3.3	4.3	3.9	5.9	5.0
16	04	63.9	4.6	4.3	3.2	3.2	5.0	4.6	3.5	3.5	4.2	4.0	5.9	5.2
16	06	63.8	4.2	4.0	3.2	3.2	5.2	4.7	3.5	3.5	4.2	4.0	5.9	5.2
16	08	63.8	4.6	4.3	3.2	3.2	5.2	4.7	3.5	3.5	4.3	4.1	6.0	5.3
16	10	63.9	3.3	3.2	-0.9	-0.4	3.6	3.4	3.4	3.2	4.3	3.9	6.0	5.1

17			100.0	102.0	104.5	101.0	105.5	107.5
18			20.5	22.5	20.0	17.6	14.0	14.5
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	02	84.0	1.5	0.5	0.9	-0.4	0.7	1.4
21	04	84.0	2.1	1.0	1.5	0.2	1.3	1.9
21	06	84.0	2.1	1.1	1.6	0.2	1.3	2.0
21	08	84.0	2.1	1.1	1.6	0.2	1.3	2.0
21	10	84.0	1.4	0.3	0.8	-0.5	0.6	1.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 89

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MNG24800	MNG	74.0	102.2 107.5	46.6 47.8	3.60 2.00	1.13 2.00	169 0	A883 A887	A884 A882	1 1	2.

			1		2		3		4		5		6	
13														
14			98.8		118.9		110.0		103.4		95.0		87.9	
15			51.9		47.4		43.2		42.3		43.2		48.9	
16	25	64.1	-1.6	-0.8	5.7	5.6	7.6	7.1	6.6	6.3	4.6	4.8	1.6	2.2
16	29	64.2	2.1	0.9	8.7	3.6	9.8	3.8	8.5	3.5	5.8	2.7	2.0	0.8
16	33	64.2	1.1	-0.3	8.2	2.4	9.0	2.5	7.7	2.3	5.3	1.6	1.1	-0.3
16	37	64.3	3.1	3.6	9.4	8.5	10.1	8.9	8.7	8.0	6.0	6.0	2.6	3.1
16	39	64.3	-2.0	-1.2	-1.2	-0.4	1.5	2.1	3.0	3.4	4.0	4.3	1.6	2.2

17			98.8	118.9	110.0	103.4	96.0	87.9
18			51.9	47.4	43.2	42.3	43.2	48.9
19			E	F	K	C	C	E
20			0	0	0	0	0	0
21	25	89.0	11.2	12.4	13.9	15.0	12.7	2.3
21	29	89.0	3.7	5.0	6.4	7.6	5.3	-5.2
21	33	89.0	2.3	3.6	5.0	6.1	3.9	-6.6
21	37	89.0	11.9	13.1	14.6	15.7	13.4	3.0
21	39	89.0	11.4	12.6	14.1	15.2	12.9	2.5

1	2	3	4	5	6	7	8	9	10	11	12
THA14200	THA	74.0	100.7 100.7	13.2 13.2	2.82 2.82	1.54 1.54	106 106	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			99.5		97.3		97.8		101.6		105.4		103.7	
15			20.5		18.5		7.4		5.5		14.3		18.6	
16	01	63.7	1.9	2.4	5.3	5.3	6.0	5.8	6.0	5.8	1.3	1.9	0.7	1.3
16	05	63.7	0.4	0.7	3.9	3.5	3.3	3.1	3.3	3.1	-0.1	0.3	-0.7	-0.2
16	09	63.7	0.3	0.6	3.9	3.5	5.7	4.8	5.7	4.8	-0.1	0.3	-0.8	-0.3
16	13	63.8	5.0	5.2	8.3	7.8	10.1	8.9	5.5	5.6	2.8	3.3	4.4	4.7

17			99.5	97.3	97.8	101.6	105.4	103.7
18			20.5	18.5	7.4	5.5	14.3	18.6
19			N	P	P	P	N	N
20			0	0	0	0	0	0
21	01	84.0	3.1	3.1	2.1	2.6	2.6	2.9
21	05	84.0	0.1	0.1	-0.9	-0.4	-0.4	-0.1
21	09	84.0	0.1	0.2	-0.8	-0.3	-0.4	-0.1
21	13	84.0	4.0	4.0	3.0	3.5	3.5	3.8

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 90

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07400	URS	74.0	88.8 37.7	57.6 55.8	3.08 2.00	1.68 2.00	162 0	A883 A887	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			87.3		97.2		74.9		112.6		78.7		104.5	
15			49.2		49.7		58.6		71.3		69.9		58.5	
16	26	67.9	10.9	11.6	8.4	9.2	15.8	15.8	10.7	11.4	16.3	16.2	11.2	11.8
16	30	68.0	10.9	11.6	8.6	9.4	15.8	15.8	10.8	11.5	16.3	16.2	11.7	12.3
16	34	68.0	10.2	10.9	8.4	9.2	15.8	15.8	10.7	11.4	16.3	16.2	11.7	12.3
16	38	68.1	7.6	8.3	5.6	6.4	13.2	13.2	9.9	10.4	14.2	14.0	9.5	10.0

17			29.5	50.3	51.8	46.8	37.3
18			67.2	54.7	47.4	45.1	48.4
19			C	E	C	C	K
20			0	0	0	0	0
21	26	89.0	12.9	13.2	13.4	13.4	13.2
21	30	89.0	12.8	13.1	13.3	13.3	13.1
21	34	89.0	12.9	13.2	13.4	13.4	13.2
21	38	89.0	10.0	10.3	10.5	10.5	10.3

1	2	3	4	5	6	7	8	9	10	11	12
URS07500	URS	74.0	94.0 92.8	51.7 56.1	1.52 2.00	0.60 2.00	172 0	A883 A887	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			90.0		95.0		87.9		98.0		99.0		92.5	
15			50.5		50.0		51.5		50.0		52.9		51.7	
16	32	65.1	1.2	1.8	2.0	2.5	0.3	1.0	1.3	1.9	1.7	2.2	3.1	3.5

17			90.0	95.0	87.9	98.0	99.0	92.5
18			50.5	50.0	51.5	50.0	52.9	51.7
19			E	E	E	E	E	E
20			0	0	0	0	0	0
21	32	89.0	5.1	3.8	5.1	2.3	3.4	5.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 91

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07600	URS	74.0	98.0 92.8	63.2 56.1	1.84 2.00	0.69 2.00	170 0	A883 A887	A884 A882	2 2	2.

			1	2	3	4	5	6
13								
14			104.4	108.3	99.4	106.5	88.8	91.2
15			58.7	64.1	60.2	69.5	65.4	60.7
16	28	68.1	3.2 3.6	4.6 4.8	6.0 5.9	3.1 3.5	5.5 5.5	5.4 5.4
17			104.4	108.3	99.4	106.5	88.8	91.2
18			58.7	64.1	60.2	69.5	65.4	60.7
19			C	C	C	A	C	C
20			0	0	0	0	0	0
21	28	89.0	3.4	3.6	5.2	3.7	2.4	4.9

1	2	3	4	5	6	7	8	9	10	11	12
CHN15800	CHN	79.8	111.8 106.0	38.0 32.5	2.60 5.00	1.74 3.70	124 150	A883 A887	A884 A882	1 2	

			1	2	3	4	5	6
13								
14			105.8	105.2	111.8	119.8	115.3	119.8
15			32.9	41.6	45.0	46.8	31.5	40.0
16	15	64.9	5.5 5.1	11.1 8.4	12.1 8.8	7.9 6.7	3.2 3.3	5.0 4.8
16	19	64.9	-0.9 -1.2	-0.3 -0.8	0.3 -0.3	-0.6 -1.0	-1.0 -1.3	1.3 0.3
16	23	65.0	-0.8 -1.1	-0.6 -0.9	-0.5 -0.9	-1.6 -1.7	-0.5 -0.9	1.0 0.2
17			116.4	102.0	104.0	121.3		
18			40.0	36.4	30.8	31.3		
19			K	C	K	M		
20			0	0	0	0		
21	15	84.0	1.4	2.6	3.0	0.8		
21	19	84.0	-4.7	-3.6	-3.2	-5.3		
21	23	84.0	-4.7	-3.5	-3.1	-5.2		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 92

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15900	CHN	79.8	109.4 106.0	27.3 32.5	2.14 5.00	1.72 3.70	107 150	A883 A887	A884 A882	2 1	

			1	2	3	4	5	6
13								
14			105.6	103.6	109.5	113.8	115.3	109.8
15			23.2	27.1	33.1	25.4	31.5	21.6
16	18	64.5	1.4 0.4	-0.4 -0.8	-1.0 -1.2	1.5 0.5	0.5 -0.2	-0.3 -0.7
16	20	64.6	1.5 0.5	-0.3 -0.8	-1.9 -2.0	1.0 0.1	-1.1 -1.3	-0.3 -0.8
16	22	64.6	1.6 0.5	0.2 -0.4	-0.8 -1.1	1.7 0.5	-0.1 -0.6	0.0 -0.6
17			116.4	102.0	104.0	121.3		
18			40.0	36.4	30.8	31.3		
19			K	C	K	M		
20			0	0	0	0		
21	18	84.0	-4.6	-3.5	-3.1	-5.2		
21	20	84.0	-4.7	-3.5	-3.1	-5.3		
21	22	84.0	-4.8	-3.6	-3.2	-5.4		

1	2	3	4	5	6	7	8	9	10	11	12
CHN16300	CHN	79.8	116.0 116.0	39.2 39.2	1.20 1.20	0.80 0.80	132 132	A883 A887	A884 A882	1 2	

			1	2	3	4	5
13							
14			115.4	114.6	117.7	119.5	116.0
15			36.1	42.1	42.6	38.8	39.2
16	01	64.4	2.8 3.6	7.1 7.6	6.3 6.9	3.1 3.9	6.0 6.6
17			115.4	114.6	117.7	119.5	116.0
18			36.1	42.1	42.6	38.8	39.2
19			K	K	K	K	K
20			0	0	0	0	0
21	01	84.0	8.2	7.7	7.8	7.7	11.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 93

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16400	CHN	79.8	112.2 112.2	37.4 37.4	1.06 1.06	0.76 0.76	111 111	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			111.5		114.1		113.6		110.3		110.3		114.1	
15			39.6		40.7		35.6		34.5		37.0		37.6	
16	05	64.2	5.8	6.5	5.0	5.7	2.1	3.0	2.3	3.2	5.2	5.9	4.2	5.0
17			111.5	114.1	113.6	110.3	110.3	114.1						
18			39.6	40.7	35.6	34.5	37.0	37.6						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	05	84.0	8.7	8.1	8.3	8.2	9.2	9.2						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16500	CHN	79.8	111.4 111.4	41.8 41.8	1.58 1.58	1.20 1.20	15 15	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			120.0		112.0		105.3		107.6		111.1		116.8	
15			45.5		45.1		41.6		37.8		39.5		41.9	
16	09	63.6	5.7	6.2	9.3	9.2	7.3	7.5	4.8	5.4	6.8	7.1	5.7	6.2
17			120.0	112.0	105.3	107.6	111.1	116.8						
18			45.5	45.1	41.6	37.8	39.5	41.9						
19			F	F	C	K	K	K						
20			0	0	0	0	0	0						
21	09	84.0	5.5	6.2	5.6	5.9	7.2	6.3						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17600	CHN	79.8	113.7 113.7	33.9 33.9	1.20 1.20	0.80 0.80	141 141	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			116.1		116.6		115.2		111.9		110.2		114.0	
15			36.1		34.0		31.3		32.5		34.5		36.3	
16	21	64.3	-0.1	0.6	0.3	0.9	-1.2	-0.5	-0.2	0.5	-1.3	-0.6	0.4	1.0
17			116.1	116.6	115.2	111.9	110.2	114.0						
18			36.1	34.0	31.3	32.5	34.5	36.3						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	21	84.0	1.9	3.1	2.2	3.2	2.0	3.0						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 94

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17700	CHN	79.8	111.8 111.8	30.8 30.8	1.42 1.42	0.82 0.82	160 160	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			109.2		109.5		116.0		116.0		113.6		113.6	
15			29.1		33.2		31.0		29.6		29.1		32.4	
16	24	64.7	-0.6	0.2	-0.2	0.6	1.2	1.9	0.9	1.7	1.4	2.1	1.3	2.0
17			109.2	109.5	116.0	116.0	113.6	113.6						
18			29.1	33.2	31.0	29.6	29.1	32.4						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	24	84.0	4.3	4.4	5.0	4.7	5.8	5.0						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17800	CHN	79.8	111.5 111.5	27.4 27.4	1.22 1.22	0.86 0.86	130 130	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			109.2		113.6		113.7		111.5		108.9		114.3	
15			29.1		29.8		25.2		24.7		27.0		28.4	
16	12	64.4	4.9	5.8	2.8	3.7	8.7	9.4	7.9	8.7	6.0	6.8	5.5	6.4
17			109.2	113.6	113.7	111.5	108.9	114.3						
18			29.1	29.8	25.2	24.7	27.0	28.4						
19			K	K	N	N	K	K						
20			0	0	0	0	0	0						
21	12	84.0	12.3	11.4	11.8	12.3	12.3	11.8						

1	2	3	4	5	6	7	8	9	10	11	12
CHN18100	CHN	79.8	108.5 108.5	23.8 23.8	1.41 1.41	1.08 1.08	153 153	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			105.6		108.0		104.5		109.7		111.3		112.1	
15			23.1		21.5		24.5		21.3		26.3		24.3	
16	14	64.1	4.2	4.9	4.7	5.3	2.7	3.5	5.2	5.8	5.2	5.8	6.4	6.9
17			105.6	108.0	104.5	109.7	111.3	112.1						
18			23.1	21.5	24.5	21.3	26.3	24.3						
19			N	N	N	N	N	N						
20			0	0	0	0	0	0						
21	14	84.0	7.8	7.6	6.6	7.2	6.2	7.3						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 95

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18700	CHN	79.8	106.6 106.6	26.7 26.7	1.14 1.14	0.94 0.94	179 179	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			104.7		103.6		107.5		109.0		106.0		109.5	
15			24.6		27.0		29.2		25.5		28.6		27.0	
16	10	64.0	0.6	1.3	1.0	1.7	5.0	5.2	5.6	5.7	4.2	4.5	6.9	6.7
17			104.7		103.6		107.5		109.0		106.0		109.5	
18			24.6		27.0		29.2		25.5		28.6		27.0	
19			N		K		K		K		K			
20			0		0		0		0		0			
21	10	84.0	3.4		3.6		2.9		3.4		3.8		4.2	

1	2	3	4	5	6	7	8	9	10	11	12
CHN18200	CHN	79.8	108.7 108.7	35.1 35.1	1.42 1.42	0.88 0.88	109 109	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			111.5		111.0		109.6		105.7		107.3		106.4	
15			39.5		33.3		31.8		32.9		37.5		35.0	
16	17	64.2	-0.1	0.7	-0.3	0.5	-0.3	0.5	-1.4	-0.6	0.7	1.4	0.3	1.0
17			111.5		111.0		109.6		105.7		107.3		106.4	
18			39.5		33.3		31.8		32.9		37.5		35.0	
19			K		K		K		K		K			
20			0		0		0		0		0			
21	17	84.0	3.4		3.7		4.2		3.4		4.6		4.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 96

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS02800	INS	80.2	101.5 113.6	0.0 -1.4	3.00 6.73	1.20 3.33	133 160	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			95.3		104.4		106.7		106.7		100.0		101.5	
15			5.5		0.9		-3.8		-5.9		-4.0		0.0	
16	02	63.3	7.5	5.6	0.2	0.5	2.6	2.5	4.6	3.9	7.4	5.6	6.5	5.1
16	04	63.4	7.6	5.7	0.2	0.5	2.5	2.4	4.6	3.9	7.4	5.6	6.5	5.1
16	06	63.3	7.5	5.7	0.2	0.5	2.5	2.4	4.6	3.9	7.3	5.6	6.5	5.1
16	08	63.4	7.6	5.7	0.2	0.5	2.5	2.4	4.6	3.9	7.5	5.7	6.5	5.1
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	02	84.0	0.4	3.6	2.2	0.5	1.9	1.0	1.5	-1.2	1.1	1.7		
21	04	84.0	0.5	3.6	2.3	0.5	1.9	1.0	1.6	-1.1	1.1	1.7		
21	06	84.0	0.5	3.6	2.3	0.5	1.9	1.0	1.6	-1.1	1.1	1.7		
21	08	84.0	0.5	3.7	2.3	0.6	1.9	1.0	1.6	-1.1	1.2	1.8		

1	2	3	4	5	6	7	8	9	10	11	12
INS03000	INS	80.2	112.3 113.6	-8.1 -1.4	3.14 6.73	1.46 3.33	169 160	A883 A887	A884 A882	1 2	

			1		2		3		4		5	
13												
14			105.3		114.0		120.0		120.0		113.1	
15			-6.5		-5.8		-8.0		-10.5		-10.0	
16	18	64.2	1.9	0.5	0.6	-0.3	1.2	0.1	1.9	0.5	2.6	0.9
16	20	64.2	1.9	0.5	0.6	-0.3	1.2	0.1	1.9	0.5	2.6	0.9
16	22	64.2	1.9	0.5	0.6	-0.3	1.2	0.1	1.9	0.5	2.6	0.9
16	24	64.3	5.3	3.0	3.9	2.3	4.4	2.5	5.4	3.0	6.3	3.4
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0
19			P	P	P	P	P	P	P	P	P	P
20			0	0	0	0	0	0	0	0	0	0
21	18	84.0	-4.2	-1.0	-2.4	-4.1	-2.8	-3.7	-3.1	-5.8	-3.5	-2.9
21	20	84.0	-4.2	-1.0	-2.4	-4.1	-2.8	-3.7	-3.1	-5.8	-3.5	-2.9
21	22	84.0	-4.2	-1.0	-2.4	-4.1	-2.8	-3.7	-3.1	-5.8	-3.5	-2.9
21	24	84.0	-2.7	0.5	-0.9	-2.6	-1.3	-2.2	-1.6	-4.3	-2.0	-1.5

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 97

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03200	INS	80.2	112.3 113.6	-0.3 -1.4	2.66 6.73	2.32 3.33	109 160	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			117.5		112.7		109.1		110.2		114.7		118.7	
15			3.7		1.3		1.8		-2.4		-4.2		0.7	
16	17	64.0	5.0	3.3	6.8	4.2	3.8	2.6	4.8	3.2	4.6	3.1	5.4	3.5
16	19	64.1	0.4	-0.2	2.7	1.2	1.1	0.3	1.3	0.4	0.5	-0.1	0.7	0.0
16	21	64.1	4.8	2.5	6.5	3.2	3.6	1.9	3.8	2.0	3.1	1.6	5.0	2.6
16	23	64.1	0.7	0.0	3.0	1.4	1.3	0.4	1.5	0.5	0.8	0.1	1.1	0.3

17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	17	84.0	-1.7	1.5	0.1	-1.6	-0.3	-1.2	-0.6	-3.3	-1.0	-0.5		
21	19	84.0	-3.5	-0.4	-1.8	-3.5	-2.1	-3.0	-2.5	-5.1	-2.9	-2.3		
21	21	84.0	-3.2	0.0	-1.4	-3.1	-1.8	-2.7	-2.1	-4.8	-2.5	-1.9		
21	23	84.0	-3.5	-0.4	-1.7	-3.5	-2.1	-3.0	-2.4	-5.1	-2.9	-2.3		

1	2	3	4	5	6	7	8	9	10	11	12
BTN03100	BTN	86.0	90.5 90.5	27.2 27.3	1.13 1.13	0.82 0.82	0 0	A883 A887	A884 A882	1 2	6.

			1		2		3		4		5		6	
13														
14			88.7		90.0		92.1		91.3		92.2		90.1	
15			27.1		26.8		26.9		28.1		27.3		28.7	
16	05	63.6	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	09	63.7	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	13	63.8	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
16	17	63.8	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9

17			88.7	90.0	92.1	91.3	92.2	90.1						
18			27.1	26.8	26.9	28.1	27.3	28.3						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	05	84.0	7.6	8.7	7.8	8.0	7.8	7.8						
21	09	84.0	9.4	10.5	9.5	9.8	9.6	9.5						
21	13	84.0	17.0	18.1	17.1	17.4	17.2	17.1						
21	17	84.0	6.3	7.4	6.4	6.6	6.4	6.4						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 98

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLA22700	MLA	86.0	102.1 102.1	4.1 4.1	1.62 1.62	0.82 0.82	135 135	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			102.6		105.4		103.8		101.3		98.8		99.8	
15			6.2		2.2		1.2		2.6		6.2		6.8	
16	16	63.2	7.9	6.9	7.0	6.3	7.7	6.8	9.4	7.8	9.7	8.0	9.9	8.1
16	18	63.3	6.5	5.3	0.7	1.0	-1.1	-0.6	3.0	2.9	8.4	6.4	8.0	6.2
16	20	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.3	7.4	7.9	7.1
16	22	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.4	7.4	7.9	7.1
16	24	63.4	7.6	6.9	1.0	1.6	-1.0	-0.3	3.3	3.6	9.8	8.3	9.2	7.9

17			102.6	105.4	103.8	101.3	98.8	99.8						
18			6.2	2.2	1.2	2.6	6.2	6.8						
19			P	P	P	P	P	P						
20			0	0	0	0	0	0						
21	16	84.0	1.3	1.9	2.3	1.9	1.8	2.7						
21	18	84.0	-0.6	0.0	0.4	0.0	-0.1	0.7						
21	20	84.0	1.8	2.4	2.8	2.4	2.3	3.1						
21	22	84.0	1.8	2.4	2.8	2.4	2.3	3.1						
21	24	84.0	1.8	2.5	2.8	2.5	2.4	3.2						

1	2	3	4	5	6	7	8	9	10	11	12
MLA22800	MLA	86.0	114.1 114.1	3.9 3.9	2.34 2.34	1.12 1.12	45 45	A883 A887	A884 A882	1 2	

			1		2		3		4		5	
13												
14			109.0		117.0		119.5		113.6		110.2	
15			2.4		7.0		5.2		1.0		0.6	
16	02	63.6	3.4	3.4	9.6	7.5	9.5	7.5	9.0	7.2	4.5	4.3
16	04	63.7	3.4	3.3	9.7	7.3	9.6	7.3	9.1	7.0	4.5	4.2
16	06	63.6	3.4	3.3	9.6	7.3	9.5	7.2	9.0	7.0	4.5	4.2
16	08	63.7	3.5	3.4	9.8	7.4	9.8	7.4	9.4	7.2	4.6	4.3

17			109.0	117.0	119.5	113.6	110.2					
18			2.4	7.0	5.2	1.0	0.6					
19			P	P	P	P	P					
20			0	0	0	0	0					
21	02	84.0	0.7	2.6	0.5	1.9	2.3					
21	04	84.0	0.2	2.1	0.0	1.4	1.7					
21	06	84.0	0.2	2.1	0.0	1.4	1.7					
21	08	84.0	0.2	2.1	0.0	1.4	1.7					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 99

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
VTN32500	VTN	86.0	105.3 108.0	16.1 14.8	3.03 3.80	1.40 1.90	116 126	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			102.0		108.0		109.0		109.5		104.5		103.8	
15			22.8		21.6		16.0		12.0		8.5		10.2	
16	03	63.5	-1.5	-0.9	-1.2	-0.6	4.6	4.2	6.9	5.8	6.2	5.3	7.2	6.0
16	07	63.5	-1.4	-0.8	-1.1	-0.5	4.6	4.2	6.9	5.7	6.1	5.2	7.1	5.9
16	11	63.5	-1.7	-0.8	-1.6	-0.7	5.3	5.9	9.2	9.3	11.0	10.8	10.3	10.2
16	15	63.6	4.0	4.2	-0.1	0.6	9.4	8.1	11.9	9.4	7.8	7.1	9.7	8.3
17			102.2		105.3		108.0		111.9		104.7		103.9	
18			22.4		23.4		21.5		8.7		8.6		10.3	
19			N		N		N		N		P		P	
20			0		0		0		0		0		0	
21	03	84.0	1.7		1.6		2.1		2.7		-0.1		0.5	
21	07	84.0	1.6		1.6		2.1		2.7		-0.2		0.4	
21	11	84.0	8.6		8.5		9.0		9.6		6.8		7.4	
21	15	84.0	3.8		3.7		4.2		4.8		2.0		2.6	

1	2	3	4	5	6	7	8	9	10	11	12
CHN16000	CHN	92.0	122.8 108.1	45.3 33.7	2.50 5.00	1.45 4.00	150 148	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			122.5		115.6		122.5		134.8		128.3		116.8	
15			38.3		48.0		53.4		48.5		41.4		42.5	
16	03	65.1	-0.5	-0.1	6.4	4.9	6.7	5.1	2.1	2.0	1.2	1.3	3.3	2.9
16	07	65.1	0.3	0.5	7.3	5.3	7.7	5.5	2.5	2.3	1.6	1.6	4.2	3.5
16	11	65.2	1.0	1.1	8.2	5.7	8.8	6.0	2.9	2.6	2.1	2.0	5.1	4.1
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	03	84.0	-1.5		-1.0		-1.1		0.4					
21	07	84.0	-1.6		-1.1		-1.2		0.3					
21	11	84.0	-1.7		-1.2		-1.2		0.3					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.100

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16100	CHN	92.0	118.1 108.1	31.1 33.7	2.49 5.00	1.69 4.00	117 148	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			116.0		120.2		123.8		114.0		115.4		122.6	
15			25.0		39.6		30.2		29.1		36.0		37.4	
16	02	64.5	4.9	4.4	1.9	2.1	3.2	3.1	6.9	5.7	5.3	4.6	0.7	1.0
16	04	64.5	4.6	4.1	0.5	0.9	2.8	2.8	5.4	4.7	2.9	2.9	0.0	0.4
16	06	64.5	4.8	4.3	2.1	2.2	3.0	2.9	6.8	5.6	5.4	4.7	0.7	1.0
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	02	84.0	-0.4		0.1		0.0		1.5					
21	04	84.0	-0.4		0.1		0.0		1.5					
21	06	84.0	-0.4		0.1		0.1		1.6					

1	2	3	4	5	6	7	8	9	10	11	12
CHN16200	CHN	92.0	115.9 108.1	21.0 33.7	2.74 5.00	2.42 4.00	23 148	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			110.0		107.6		112.5		125.0		119.0		118.4	
15			15.0		20.0		25.1		25.9		19.3		28.3	
16	01	64.0	4.6	4.7	3.2	3.5	4.2	4.4	0.0	0.7	6.0	5.8	0.9	1.5
16	05	64.0	3.9	3.4	2.6	2.4	2.3	2.2	-1.3	-0.8	4.4	3.7	-0.9	-0.5
16	09	64.0	4.6	3.8	3.1	2.7	3.3	2.9	-0.3	0.0	5.9	4.6	-0.2	0.1
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	01	84.0	2.0		2.5		2.4		3.9					
21	05	84.0	-1.4		-0.9		-0.9		0.6					
21	09	84.0	-1.6		-1.1		-1.1		0.4					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.101

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16600	CHN	92.0	121.1	41.7	1.52	0.78	154	A883	A884	2	
			121.1	41.7	1.52	0.78	154	A887	A882	1	

			1		2		3		4		5		6	
13														
14			118.8		125.6		119.3		116.3		123.8		120.8	
15			40.7		40.8		45.2		43.1		43.5		38.5	
16	24	64.5	4.4	5.4	0.5	1.5	1.6	2.6	3.5	4.5	1.5	2.5	1.3	2.3
17			118.8	125.6	119.3	116.3	123.8	120.8						
18			40.7	40.8	45.2	43.1	43.5	38.5						
19			K	K	F	K	K	K						
20			0	0	0	0	0	0						
21	24	84.0	21.3	20.5	19.8	20.0	20.1	19.5						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16700	CHN	92.0	124.3	43.7	1.98	0.72	156	A883	A884	2	
			124.3	43.7	1.98	0.72	156	A887	A882	1	

			1		2		3		4		5		6	
13														
14			119.5		131.0		125.7		121.0		119.2		124.0	
15			47.3		42.9		40.6		42.1		45.1		46.3	
16	17	64.7	7.5	7.5	9.2	8.8	6.7	6.9	6.6	6.8	7.3	7.3	11.2	10.2
17			119.5	131.0	125.7	121.0	119.2	124.0						
18			47.3	42.9	40.6	42.1	45.1	46.3						
19			F	K	K	K	F	F						
20			0	0	0	0	0	0						
21	17	84.0	4.8	5.0	5.4	4.4	6.0	5.9						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16800	CHN	92.0	124.8	48.1	2.68	0.92	157	A883	A884	2	
			124.8	48.1	2.68	0.92	157	A887	A882	1	

			1		2		3		4		5		6	
13														
14			135.0		123.5		120.0		115.5		119.5		129.0	
15			48.4		53.5		52.7		48.0		47.3		43.5	
16	22	65.4	5.1	4.8	9.9	7.7	10.1	7.8	6.4	5.7	7.6	6.4	0.5	1.0
17			123.5	120.0	115.5	119.5	129.0							
18			53.5	52.7	48.0	47.3	43.5							
19			C	C	F	F	K							
20			0	0	0	0	0							
21	22	84.0	1.2	1.8	0.5	2.3	1.4							

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.102

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16900	CHN	92.0	118.5	36.4	1.16	0.76	11	A883	A884	1	
			118.5	36.4	1.16	0.76	11	A887	A882	2	

			1		2		3		4		5		6	
13														
14			117.7		115.9		114.7		118.4		122.8		121.8	
15			38.2		37.3		35.0		34.2		38.4		36.7	
16	16	64.7	2.6	3.0	2.7	3.0	1.8	2.3	1.1	1.6	-1.0	-0.3	0.6	1.2
17			117.7	115.9	114.7	118.4	122.8	121.8						
18			38.2	37.3	35.0	34.2	38.4	36.7						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	16	84.0	2.2	2.6	3.0	1.6	2.4	3.6						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17000	CHN	92.0	119.5	33.0	1.34	0.64	155	A883	A884	1	
			119.5	33.0	1.34	0.64	155	A887	A882	2	

			1		2		3		4		5		6	
13														
14			119.1		116.4		121.3		122.4		121.5		118.7	
15			35.2		34.8		34.1		31.0		30.6		31.2	
16	12	64.4	1.3	1.8	1.4	1.9	1.2	1.7	2.0	2.5	1.9	2.4	0.9	1.5
17			119.1	116.4	121.3	122.4	121.5	118.7						
18			35.2	34.8	34.1	31.0	30.6	31.2						
19			K	K	K	M	K	K						
20			0	0	0	0	0	0						
21	12	84.0	2.4	3.0	2.4	2.7	2.2	1.8						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17100	CHN	92.0	117.2	32.0	1.20	0.74	126	A883	A884	1	
			117.2	32.0	1.20	0.74	126	A887	A882	2	

			1		2		3		4		5		6	
13														
14			116.1		114.9		116.1		119.2		119.6		118.1	
15			29.8		33.1		34.6		32.6		31.1		29.3	
16	10	64.2	3.0	3.5	4.1	4.5	4.9	5.2	4.2	4.6	3.9	4.3	4.1	4.5
17			116.1	114.9	116.1	119.2	119.6	118.1						
18			29.8	33.1	34.6	32.6	31.1	29.3						
19			K	K	K	K	K	N						
20			0	0	0	0	0	0						
21	10	84.0	3.7	3.7	4.1	3.7	3.5	4.0						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.103

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17200	CHN	92.0	120.4	29.1	0.96	0.84	123	A883	A884	1	
			120.4	29.1	0.96	0.84	123	A887	A882	2	

			1	2	3	4	5	6
13								
14			120.9	118.8	118.0	119.6	122.8	123.1
15			27.0	27.5	29.1	31.1	30.9	30.2
16	14	64.3	2.8 3.0	2.3 2.6	2.5 2.7	3.9 3.9	3.4 3.5	3.9 3.9
17			120.9	118.8	118.0	119.6	122.8	123.1
18			27.0	27.5	29.1	31.1	30.9	30.2
19			N	N	N	K	M	N
20			0	0	0	0	0	0
21	14	84.0	1.2	1.7	1.1	1.2	0.6	0.6

1	2	3	4	5	6	7	8	9	10	11	12
CHN17300	CHN	92.0	115.7	27.4	1.14	0.94	99	A883	A884	1	
			115.7	27.4	1.14	0.94	99	A887	A882	2	

			1	2	3	4	5	6
13								
14			114.1	118.5	118.1	116.8	113.9	113.5
15			24.6	28.4	29.5	30.0	29.0	27.5
16	08	64.0	3.5 3.7	3.8 3.9	3.9 4.0	4.4 4.4	3.9 4.0	4.5 4.5
17			114.1	118.5	118.1	116.8	113.9	113.5
18			24.6	28.4	29.5	30.0	29.0	27.5
19			N	N	K	K	K	K
20			0	0	0	0	0	0
21	08	84.0	1.6	1.3	1.6	2.4	1.7	2.1

1	2	3	4	5	6	7	8	9	10	11	12
CHN17400	CHN	92.0	118.1	25.9	1.02	0.84	82	A883	A884	2	
			118.1	25.9	1.02	0.84	82	A887	A882	1	

			1	2	3	4	5	6
13								
14			119.7	120.7	118.7	117.3	115.8	117.4
15			25.0	27.1	28.3	27.8	25.0	23.2
16	15	64.1	-0.2 0.3	-1.7 -1.0	-1.8 -1.1	-2.0 -1.3	-0.9 -0.3	0.1 0.6
17			119.7	120.7	118.7	117.3	115.8	117.4
18			25.0	27.1	28.3	27.8	25.0	23.2
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	15	84.0	0.8	0.3	1.0	0.6	0.7	0.3

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.104

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17500	CHN	92.0	121.4	23.8	1.14	0.82	64	A883	A884	2	
			121.4	23.8	1.14	0.82	64	A887	A882	1	

			1	2	3	4	5	6
13								
14			124.5	122.8	121.9	121.1	118.9	119.6
15			25.8	24.5	21.6	25.6	23.5	21.7
16	21	64.3	4.6 4.5	5.9 5.5	2.1 2.5	4.8 4.7	3.7 3.8	3.8 3.9
17			124.5	122.8	121.9	121.1	118.9	119.6
18			25.8	24.5	21.6	25.6	23.5	21.7
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	21	84.0	1.8	4.2	1.2	2.4	1.7	3.1

1	2	3	4	5	6	7	8	9	10	11	12
CHN17900	CHN	92.0	112.2	21.9	1.84	1.22	37	A883	A884	2	
			112.2	21.9	1.84	1.22	37	A887	A882	1	

			1	2	3	4	5	6
13								
14			117.6	112.0	108.0	108.4	110.0	116.0
15			23.2	24.7	19.9	18.0	18.0	24.9
16	19	63.8	1.8 2.8	1.0 2.0	4.6 5.6	4.6 5.6	5.0 6.0	2.0 3.0
17			117.6	112.0	108.0	108.4	110.0	116.0
18			23.2	24.7	19.9	18.0	18.0	24.9
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	19	84.0	15.8	16.7	17.1	16.1	16.3	17.2

1	2	3	4	5	6	7	8	9	10	11	12
CHN18000	CHN	92.0	113.7	12.9	3.76	2.18	72	A883	A884	2	
			113.1	23.1	4.70	3.50	96	A887	A882	1	

			1	2	3	4	5	6
13								
14			112.0	119.0	119.0	109.0	108.3	115.3
15			3.0	12.0	19.2	17.2	6.5	21.5
16	13	63.6	6.6 5.3	5.5 4.6	5.0 4.3	3.6 3.3	4.9 4.2	5.0 4.3
17			102.7	105.6	117.7	116.4	111.4	
18			22.9	31.8	38.5	40.0	10.2	
19			N	K	K	K	N	
20			0	0	0	0	0	
21	13	84.0	-0.2	-0.3	-0.4	-0.9	0.0	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.105

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00400	AUS	98.0	121.8 130.5	-24.9 -24.3	3.60 6.22	1.90 4.71	54 51	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
13														
14			124.5		116.7		114.6		115.9		126.6		128.3	
15			-15.5		-20.7		-28.8		-32.0		-31.0		-17.8	
16	03	63.0	9.8	10.0	11.9	11.7	12.3	12.0	12.5	12.1	7.3	7.8	10.0	10.2
16	07	63.1	9.7	9.9	11.9	11.7	12.3	12.0	12.5	12.1	7.3	7.8	10.0	10.2
16	11	63.1	9.8	10.0	12.0	11.8	12.3	12.0	12.6	12.2	7.3	7.8	10.0	10.2
16	15	63.2	1.7	2.5	8.6	8.5	9.0	8.9	9.2	9.0	5.9	6.3	5.2	5.7
16	19	63.2	-1.2	-0.4	6.4	6.4	7.2	7.1	7.4	7.2	4.8	5.1	2.7	3.3
16	23	63.3	-1.1	-0.2	6.7	7.0	7.4	7.6	7.6	7.8	5.0	5.5	3.1	3.8

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	03 87.0	8.0	8.3	8.5	8.8	7.8	9.6	8.6	8.5	9.6	10.9
21	07 87.0	8.0	8.3	8.5	8.8	7.8	9.6	8.6	8.5	9.6	10.9
21	11 87.0	8.1	8.3	8.5	8.8	7.8	9.6	8.6	8.5	9.6	10.9
21	15 87.0	5.4	5.7	5.8	6.1	5.2	7.0	6.0	5.8	6.9	8.2
21	19 87.0	3.6	3.9	4.0	4.4	3.4	5.2	4.2	4.1	5.2	6.5
21	23 87.0	5.5	5.8	6.0	6.3	5.3	7.1	6.1	6.0	7.1	8.4

1	2	3	4	5	6	7	8	9	10	11	12
AUS00500	AUS	98.0	133.5 130.5	-18.8 -24.3	2.70 6.22	1.40 4.71	76 51	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
13														
14			130.8		131.7		137.9		129.0		135.6		137.7	
15			-12.5		-25.3		-17.2		-16.5		-12.0		-23.5	
16	01	64.3	1.8	2.7	5.9	6.6	9.6	9.8	3.2	4.0	6.0	6.7	7.7	8.2
16	05	64.4	1.8	2.7	5.9	6.6	9.5	9.8	3.2	4.0	5.9	6.6	7.6	8.1
16	09	64.4	1.7	2.6	5.8	6.5	9.4	9.7	3.1	3.9	5.9	6.6	7.6	8.1
16	13	64.4	1.7	2.6	5.8	6.5	9.4	9.7	3.1	3.9	5.9	6.6	7.5	8.0
16	17	64.5	-1.6	-0.7	5.3	5.8	8.2	8.2	2.7	3.4	2.4	3.1	6.3	6.7
16	21	64.5	-1.7	-0.8	5.3	5.8	8.1	8.2	2.6	3.3	2.3	3.0	6.3	6.7

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	01 87.0	8.0	8.3	8.5	8.8	7.8	9.6	8.6	8.5	9.6	10.9
21	05 87.0	8.0	8.3	8.4	8.8	7.8	9.6	8.6	8.4	9.6	10.9
21	09 87.0	8.0	8.3	8.4	8.8	7.8	9.6	8.6	8.4	9.6	10.9
21	13 87.0	8.0	8.3	8.4	8.7	7.8	9.6	8.6	8.4	9.5	10.8
21	17 87.0	5.5	5.8	5.9	6.3	5.3	7.1	6.1	5.9	7.1	8.4
21	21 87.0	5.5	5.8	5.9	6.3	5.3	7.1	6.1	5.9	7.1	8.4

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.106

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00600	AUS	98.0	135.4 130.5	-30.3 -24.3	2.00 6.22	1.40 4.71	44 51	A883 A887	A884 A885	1 2	1.

			1		2		3		4		5		6	
13														
14			141.0		140.9		138.6		133.2		129.5		140.8	
15			-32.1		-35.3		-34.9		-26.6		-30.7		-27.7	
16	02	63.2	4.6	5.6	5.5	6.5	7.0	8.0	4.4	5.4	5.8	6.8	1.0	2.0
16	06	63.3	4.6	5.6	5.5	6.5	7.0	8.0	4.4	5.4	5.8	6.8	1.1	2.1
16	10	63.3	4.7	5.7	5.7	6.7	7.3	8.3	4.6	5.6	6.0	7.0	1.1	2.1
16	14	63.4	4.8	5.8	5.8	6.8	7.3	8.3	4.6	5.6	6.0	7.0	1.1	2.1
16	18	63.4	-0.9	0.1	-1.7	-0.7	-0.7	0.3	-0.9	0.1	-1.1	-0.1	-2.6	-1.6
16	22	63.5	-0.9	0.1	-1.8	-0.8	-0.7	0.3	-0.9	0.1	-1.1	-0.1	-2.6	-1.6

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	28 87.0	20.3	20.6	20.7	21.0	20.1	21.9	20.9	20.7	21.8	23.1
21	32 87.0	20.3	20.6	20.7	21.0	20.1	21.9	20.9	20.7	21.8	23.1
21	36 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	40 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	26 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.1
21	30 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.1

1	2	3	4	5	6	7	8	9	10	11	12
PHL28500	PHL	98.0	121.3 121.3	11.1 11.1	3.46 3.46	1.76 1.76	99 99	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			122.0		120.0		126.0		126.0		117.0		125.0	
15			21.0		5.0		6.0		11.0		7.5		15.0	
16	16	63.7	6.5	6.2	9.0	7.9	7.7	7.0	8.5	7.6	7.8	7.1	8.7	7.7
16	18	63.7	2.6	3.0	4.8	4.9	3.5	3.8	4.4	4.5	3.6	3.9	4.8	4.9
16	20	63.7	1.9	2.4	8.4	7.5	7.4	6.8	8.5	7.5	7.2	6.7	8.8	7.7
16	22	63.7	0.6	1.2	4.8	4.8	3.6	3.9	4.3	4.4	3.6	3.9	4.6	4.7
16	24	63.8	9.0	8.7	11.4	10.4	10.6	9.9	11.3	10.3	10.1	9.5	11.5	10.5

17		122.0	120.0	126.0	126.0	117.0	125.0	
18		21.0	5.0	6.0	11.0	7.5	15.0	
19		N	P	P	N	P	N	
20		0	0	0	0	0	0	
21	16 84.0	2.0	3.6	2.0	2.4	2.1	3.0	
21	18 84.0	2.0	3.6	2.0	2.4	2.1	3.0	
21	20 84.0	1.9	3.5	2.0	2.4	2.1	2.9	
21	22 84.0	1.9	3.5	2.0	2.4	2.1	2.9	
21	24 84.0	4.7	6.3	4.7	5.1	4.9	5.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.107

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03500	INS	104.0	124.3 115.2	-3.2 -1.7	3.34 9.14	1.94 3.43	82 170	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			128.1		128.6		123.6		119.4		119.8		125.5	
15			-3.6		0.8		-10.2		-5.1		-0.9		4.0	
16	01	63.3	8.7	7.0	10.0	7.6	7.9	6.5	13.8	9.0	14.0	9.0	6.7	5.8
16	05	63.3	8.5	6.9	9.4	7.3	7.7	6.4	13.3	8.8	13.3	8.8	5.9	5.3
16	09	63.3	8.5	6.9	9.3	7.3	7.7	6.4	13.3	8.8	13.5	8.9	5.8	5.2
16	13	63.4	8.4	6.7	8.7	6.8	7.6	6.2	8.6	6.8	5.5	4.9	4.3	4.0
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	-1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	01	84.0	2.2	4.5	3.4	1.8	2.8	1.7	2.8	0.3	1.9	3.2		
21	05	84.0	2.2	4.5	3.4	1.8	2.8	1.7	2.8	0.3	1.9	3.2		
21	09	84.0	2.2	4.5	3.4	1.8	2.8	1.7	2.8	0.3	1.9	3.2		
21	13	84.0	1.9	4.2	3.1	1.5	2.5	1.4	2.6	0.0	1.7	3.0		

1	2	3	4	5	6	7	8	9	10	11	12
INS03600	INS	104.0	135.2 115.2	-3.8 -1.7	2.46 9.14	2.00 3.43	147 170	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			140.6		140.3		128.0		131.8		128.1		135.2	
15			-2.6		-8.5		-7.0		-7.3		-3.6		-3.8	
16	03	63.8	5.0	4.6	3.8	3.7	4.0	3.8	6.2	5.4	9.1	7.1	9.2	7.1
16	07	63.8	5.0	4.6	3.7	3.6	3.9	3.8	6.1	5.3	9.0	7.0	9.1	7.1
16	11	63.9	5.0	4.6	3.7	3.6	3.9	3.8	6.1	5.4	9.0	7.1	9.1	7.1
16	15	63.9	5.2	4.7	3.9	3.8	3.8	3.7	6.1	5.3	8.8	6.9	9.2	7.1
16	19	64.0	12.7	8.7	9.6	7.4	1.5	1.8	5.5	5.0	4.4	4.2	11.3	8.2
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	0.8		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	03	84.0	2.1	4.4	3.2	1.6	2.7	1.5	2.7	0.1	1.8	3.9		
21	07	84.0	2.0	4.3	3.2	1.6	2.6	1.5	2.7	0.1	1.8	3.9		
21	11	84.0	2.1	4.4	3.3	1.7	2.7	1.6	2.7	0.2	1.9	4.0		
21	15	84.0	2.1	4.4	3.3	1.6	2.7	1.6	2.7	0.1	1.8	3.9		
21	19	84.0	2.2	4.5	3.4	1.8	2.8	1.7	2.8	0.3	2.0	4.1		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.108

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
J 11100	J	110.0	134.5 134.5	31.5 31.5	3.52 3.52	3.30 3.30	68 68	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			141.9		129.3		123.7		142.3		145.8		145.3	
15			45.5		34.7		24.3		26.4		43.4		44.3	
16	01	63.2	8.1	6.9	3.0	3.2	-1.2	-0.5	7.2	6.3	8.5	7.1	8.4	7.0
16	03	64.2	2.3	2.0	1.3	1.2	4.8	3.7	10.2	6.2	5.1	3.9	4.4	3.5
16	05	64.2	8.1	5.4	2.3	2.0	-0.4	-0.1	8.1	5.4	8.5	5.6	8.4	5.6
16	07	64.2	2.4	2.1	1.4	1.3	5.1	3.9	10.3	6.3	5.1	3.9	4.4	3.5
16	09	64.3	7.7	5.3	2.5	2.2	-0.2	0.0	8.2	5.5	8.5	5.6	8.4	5.6
16	11	64.3	2.4	2.1	1.4	1.3	5.3	4.0	10.3	6.3	5.1	3.9	4.4	3.5
16	13	64.3	7.8	5.9	3.6	3.3	1.8	1.9	9.6	6.7	8.5	6.2	8.4	6.2
16	15	64.4	5.4	5.0	4.3	4.2	4.4	4.2	10.2	7.8	7.4	6.3	7.0	6.1
17			142.0	129.3	123.5	123.8	142.3	139.7	130.4	141.4				
18			45.5	34.7	25.8	24.3	26.4	35.7	33.6	43.1				
19			K	K	N	N	N	K	M	M				
20			5	5	5	5	5	5	5	5				
21	01	87.0	0.8	3.0	1.4	1.2	1.4	3.5	3.5	1.6				
21	03	87.0	-2.1	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	05	87.0	-2.1	0.1	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	07	87.0	-2.1	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	09	87.0	-2.1	0.1	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	11	87.0	-2.1	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	13	87.0	-1.0	1.3	-0.4	-0.5	-0.3	1.8	1.8	-0.1				
21	15	87.0	0.5	2.8	1.2	1.0	1.2	3.3	3.3	1.4				

1	2	3	4	5	6	7	8	9	10	11	12
KOR11200	KOR	110.0	127.5 127.5	36.0 36.0	1.24 1.24	1.02 1.02	168 168	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			124.6		125.0		126.2		129.0		130.8		128.4	
15			37.9		34.0		33.0		35.1		37.4		38.4	
16	02	63.6	-3.0	-2.2	-2.6	-1.8	-3.0	-2.2	-0.5	0.1	-1.4	-0.7	-1.1	-0.4
16	04	63.6	-2.0	-1.3	-1.5	-0.8	-1.8	-1.1	0.7	1.2	-0.1	0.5	0.0	0.6
16	06	63.6	-3.0	-2.2	-2.6	-1.8	-3.0	-2.2	-0.6	0.0	-1.5	-0.8	-1.2	-0.5
16	08	63.7	1.3	1.8	1.9	2.3	1.2	1.7	2.8	3.1	1.5	1.9	2.3	2.6
16	10	63.7	-0.7	-0.1	-0.4	0.2	-1.0	-0.3	0.7	1.2	-0.4	0.2	0.3	0.9
16	12	63.7	0.6	1.1	-0.6	0.0	-0.9	-0.2	2.3	2.6	1.4	1.8	2.2	2.5
17			126.3	125.1	129.1	126.9	124.7	126.6	127.2	127.9	128.4			
18			33.1	34.1	35.1	37.5	38.0	37.9	38.3	38.3	38.5			
19			M	K	K	K	K	K	K	K	K			
20			0	0	0	0	0	0	0	0	0			
21	02	89.0	1.3	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1			
21	04	89.0	1.3	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1			
21	06	89.0	1.3	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1			
21	08	89.0	1.3	2.0	3.4	3.3	1.1	2.7	2.4	2.5	2.1			
21	10	89.0	1.3	2.0	3.3	3.3	1.0	2.7	2.3	2.4	2.1			
21	12	89.0	1.2	2.0	3.3	3.3	1.0	2.7	2.3	2.4	2.1			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.109

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
KRE28600	KRE	110.0	127.0 127.0	39.1 39.1	1.30 1.30	1.10 1.10	31 31	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			126.5		128.4		130.7		130.0		124.0		124.7	
15			37.7		38.6		42.3		43.0		39.9		38.1	
16	14	64.0	1.8	2.1	1.7	2.0	0.2	0.7	0.1	0.6	0.8	1.2	1.7	2.0
16	16	64.0	2.5	3.0	3.5	3.9	3.7	4.1	3.8	4.2	0.0	0.7	0.9	1.6
16	18	64.0	7.3	7.3	8.1	8.0	7.6	7.6	7.1	7.2	5.1	5.5	6.3	6.5
16	20	64.0	2.2	2.9	1.2	1.9	-2.3	-1.4	-2.5	-1.6	1.0	1.7	2.3	3.0
16	22	64.0	4.8	5.2	4.2	4.7	-0.1	0.7	-0.9	-0.1	1.1	1.8	3.9	4.4
17			126.6		128.4		130.7		130.0		124.2		124.7	
18			37.8		38.6		42.3		43.0		39.8		38.1	
19			N		K		K		K		M		K	
20			0		0		0		0		0		0	
21	14	87.0	4.4		4.0		2.1		1.7		2.5		3.8	
21	16	87.0	7.2		6.8		4.9		4.5		5.3		6.6	
21	18	87.0	8.3		8.0		6.0		5.6		6.5		7.8	
21	20	87.0	8.2		7.8		5.8		5.5		6.3		7.6	
21	22	87.0	8.1		7.7		5.8		5.4		6.2		7.5	

1	2	3	4	5	6	7	8	9	10	11	12			
URS07700	URS	110.0	112.7 137.0	57.3 50.5	2.67 2.00	1.75 2.00	2 0	A883 A887	A884 A882	1 1	2.			

			1		2		3		4		5		6	
13														
14			117.8		110.8		103.6		103.0		125.0		106.2	
15			49.4		49.1		50.1		59.6		55.0		69.5	
16	19	64.1	0.4	1.0	1.9	2.4	4.1	4.2	11.8	9.2	2.4	2.8	12.8	9.6
16	23	66.1	2.4	3.1	3.9	4.5	6.4	6.7	14.6	12.1	4.5	5.0	15.8	12.6
16	27	67.2	19.1	20.1	19.6	20.6	16.0	17.0	13.1	14.1	16.1	17.1	11.6	12.6
17			156.2		160.8		127.3		135.4					
18			65.3		61.3		49.9		58.5					
19			A		A		F		C					
20			0		0		0		0					
21	19	89.0	1.7		1.7		2.2		1.9					
21	23	89.0	4.7		4.7		5.2		5.0					
21	27	89.0	35.2		35.2		35.7		35.5					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.110

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07701	URS	110.0	112.7 137.0	57.3 50.5	2.67 2.00	1.75 2.00	2 0	A883 A887	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			117.8		110.8		103.6		103.0		125.0		106.2	
15			49.4		49.1		50.1		59.6		55.0		69.5	
16	31	67.2	19.1	20.1	19.5	20.5	15.0	16.0	15.4	16.4	16.1	17.1	14.3	15.3
16	35	67.3	19.1	20.1	19.7	20.7	16.2	17.2	15.7	16.7	16.1	17.1	14.3	15.3
16	39	67.4	3.8	4.8	3.4	4.4	2.0	3.0	9.3	10.3	6.4	7.4	12.6	13.6
17			156.2		160.8		127.3		135.4					
18			65.3		61.3		49.9		58.5					
19			A		A		F		C					
20			0		0		0		0					
21	31	89.0	35.1		35.1		35.6		35.4					
21	35	89.0	35.0		35.1		35.6		35.3					
21	39	89.0	26.8		26.8		27.3		27.1					

1	2	3	4	5	6	7	8	9	10	11	12			
URS07800	URS	110.0	108.2 110.0	53.4 60.0	2.16 2.00	0.78 2.00	10 0	A883 A887	A884 A882	1 2	2.			

			1		2		3		4		5		6	
13														
14			107.8		98.5		100.2		114.2		108.5		116.5	
15			50.0		52.2		53.2		53.1		56.6		54.8	
16	25	65.0	0.6	1.6	0.8	1.8	2.1	3.1	3.5	4.5	4.7	5.7	4.2	5.2
17			121.3		116.2		103.8		98.7					
18			60.2		51.4		51.4		60.2					
19			C		E		E		C					
20			0		0		0		0					
21	25	89.0	24.3		24.5		24.5		24.3					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.111

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CAR33800	USA	122.0	149.5	8.0	5.36	0.77	178	A883	A884	1	8/GR10
			151.1	11.6	6.48	3.49	179	A887	A882	2	

13			1		2		3		4		5				
14			134.6		138.1		151.7		158.3		145.0				
15			7.5		9.5		7.5		7.0		7.0				
16	01	62.5	4.2	5.1	6.5	7.3	17.9	17.0	17.5	16.8	12.0	12.4			
16	05	62.5	3.7	4.6	5.7	6.6	16.3	15.9	16.7	16.2	10.7	11.3			
16	09	62.6	3.7	4.6	5.8	6.7	16.3	15.9	16.7	16.2	10.8	11.4			
16	13	62.6	3.6	4.5	5.7	6.6	15.4	15.2	14.9	14.8	10.5	11.1			
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1				
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1				
19			P	P	N	N	P	P	D	N	P				
20			0	0	0	0	0	0	0	0	0				
21	01	87.0	12.1	13.4	14.3	11.9	12.4	13.3	11.7	12.6	11.6				
21	05	87.0	12.1	13.4	14.2	11.9	12.4	13.3	11.7	12.6	11.6				
21	09	87.0	12.1	13.4	14.2	11.9	12.4	13.3	11.7	12.6	11.6				
21	13	87.0	12.1	13.4	14.2	11.8	12.4	13.3	11.6	12.6	11.5				

1	2	3	4	5	6	7	8	9	10	11	12
CAR33801	USA	122.0	149.5	8.0	5.36	0.77	178	A883	A884	1	8/GR10
			-157.5	21.0	2.02	0.60	115	A887	A882	2	

13			1		2		3		4		5				
14			134.6		138.1		151.7		158.3		145.0				
15			7.5		9.5		7.5		7.0		7.0				
16	17	62.7	11.1	11.9	13.0	13.7	18.8	18.8	16.5	16.9	13.5	14.2			
17			-158.0	-160.0	-158.0										
18			20.0	23.0	22.5										
19			D	D	D										
20			0	0	0										
21	17	87.0	16.3	15.8	16.1										

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.112

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GUM33100	USA	122.0	144.5	13.1	0.60	0.60	0	A883	A884	2	8/GR15
			151.1	11.6	6.48	3.49	179	A887	A882	1	

13			1												
14			144.7												
15			13.4												
16	02	63.4	7.2	8.2											
16	06	63.4	7.1	8.1											
16	10	63.4	7.2	8.2											
16	14	63.5	7.2	8.2											
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1				
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1				
19			P	P	N	N	P	P	D	N	P				
20			0	0	0	0	0	0	0	0	0				
21	21	87.0	24.1	25.4	26.2	23.8	24.4	25.3	23.6	24.6	23.5				
21	25	87.0	28.6	29.9	30.7	28.3	28.9	29.8	28.2	29.1	28.1				
21	29	87.0	32.3	33.6	34.4	32.1	32.6	33.5	31.9	32.8	31.8				
21	33	87.0	34.8	36.1	36.9	34.6	35.1	36.0	34.4	35.3	34.3				

1	2	3	4	5	6	7	8	9	10	11	12
GUM33101	USA	122.0	144.5	13.1	0.60	0.60	0	A883	A884	2	8/GR15
			-157.5	21.0	2.02	0.60	115	A887	A882	1	

13			1												
14			144.7												
15			13.4												
16	18	63.5	7.4	8.4											
17			-158.0	-160.0	-158.0										
18			20.0	23.0	22.5										
19			D	D	D										
20			0	0	0										
21	37	87.0	58.9	58.5	58.7										

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.113

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRA33200	USA	122.0	145.9 151.1	16.9 11.6	1.20 6.48	0.60 3.49	76 179	A883 A887	A884 A882	1 2	8/GR14

			1		2		3	
14			145.0		145.6		146.9	
15			20.0		15.1		15.1	
16	03	63.5	-3.6	-2.6	4.6	5.5	2.7	3.6
16	07	63.5	-3.6	-2.6	4.5	5.4	2.6	3.5
16	11	63.6	-3.6	-2.6	4.5	5.4	2.6	3.5
16	15	63.6	-3.6	-2.6	4.5	5.4	2.6	3.5

17		134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1
18		7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1
19		P	P	N	N	P	P	D	N	P
20		0	0	0	0	0	0	0	0	0
21	03 87.0	13.1	14.4	15.2	12.9	13.4	14.3	12.7	13.6	12.6
21	07 87.0	13.1	14.4	15.2	12.9	13.4	14.3	12.7	13.6	12.6
21	11 87.0	13.1	14.4	15.3	12.9	13.4	14.3	12.7	13.6	12.6
21	15 87.0	13.1	14.4	15.3	12.9	13.4	14.4	12.7	13.6	12.6

1	2	3	4	5	6	7	8	9	10	11	12
MRA33201	USA	122.0	145.9 -157.5	16.9 21.0	1.20 2.02	0.60 0.60	76 115	A883 A887	A884 A882	1 2	8/GR14

			1		2		3	
14			145.0		145.6		146.9	
15			20.0		15.1		15.1	
16	19	63.7	9.6	10.6	7.6	8.6	6.2	7.2

17	-158.0	-160.0	-158.0	
18	20.0	23.0	22.5	
19	D	D	D	
20	0	0	0	
21	19 87.0	37.5	37.0	37.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.114

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00700	AUS	128.0	145.0 133.6	-38.1 -24.4	1.83 6.75	1.39 5.90	134 172	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
14			141.0		140.0		147.4		149.6		144.7		146.9	
15			-34.0		-37.3		-42.9		-37.5		-36.1		-36.1	
16	04	63.3	1.9	2.9	2.0	3.0	3.0	4.0	1.3	2.3	3.2	4.2	2.2	3.2
16	08	63.4	1.9	2.9	2.0	3.0	3.0	4.0	1.3	2.3	3.3	4.3	2.2	3.2
16	12	63.4	1.8	2.7	1.9	2.8	2.8	3.7	1.1	2.0	3.1	3.9	2.0	2.9
16	16	63.5	6.7	7.4	8.1	8.6	9.9	10.2	5.8	6.5	7.7	8.3	6.2	6.9
16	20	63.5	6.6	7.3	8.0	8.5	9.8	10.1	5.8	6.5	7.6	8.2	6.2	6.9
16	24	63.6	7.0	8.0	8.5	9.5	11.7	12.7	6.6	7.6	8.0	9.0	6.8	7.8

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	04 87.0	27.3	27.6	27.7	28.1	26.9	28.9	27.3	27.2	28.7	30.1
21	08 87.0	27.3	27.6	27.7	28.1	26.9	28.9	27.3	27.2	28.7	30.1
21	12 87.0	9.0	9.2	9.3	9.7	8.6	10.6	9.0	8.8	10.3	11.8
21	16 87.0	9.0	9.2	9.3	9.7	8.6	10.5	9.0	8.8	10.3	11.7
21	20 87.0	9.0	9.2	9.3	9.7	8.5	10.5	8.9	8.8	10.3	11.7
21	24 87.0	25.8	26.0	26.1	26.6	25.4	27.4	25.8	25.6	27.1	28.6

1	2	3	4	5	6	7	8	9	10	11	12
AUS00800	AUS	128.0	145.9 133.7	-21.5 -24.4	2.90 6.78	2.00 5.90	120 172	A883 A887	A884 A885	2 1	1.

			1		2		3		4		5		6	
14			139.3		142.8		149.0		141.1		149.2		153.4	
15			-17.3		-14.5		-29.0		-24.2		-21.2		-28.0	
16	02	63.8	7.3	8.3	4.2	5.2	2.9	3.9	3.1	4.1	10.4	11.4	5.2	6.2
16	06	63.7	7.2	8.2	4.1	5.1	2.8	3.8	3.0	4.0	10.3	11.3	5.2	6.2
16	10	63.8	7.3	8.3	4.2	5.2	2.8	3.8	3.1	4.1	10.4	11.4	5.2	6.2
16	14	63.9	7.0	7.6	4.1	4.9	2.7	3.6	3.0	3.8	10.0	10.3	4.7	5.5
16	18	63.9	7.3	7.9	8.3	8.8	2.7	3.6	3.0	3.9	11.3	11.4	4.7	5.5
16	22	64.0	7.3	7.9	8.5	9.0	2.7	3.6	3.0	3.9	11.4	11.5	4.7	5.5

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	02 87.0	21.5	21.8	21.9	22.3	21.1	23.1	21.5	21.3	22.8	24.3
21	06 87.0	21.5	21.8	21.9	22.3	21.1	23.1	21.5	21.3	22.8	24.3
21	10 87.0	22.3	22.5	22.6	23.0	21.9	23.8	22.2	22.1	23.6	25.0
21	14 87.0	8.8	9.1	9.2	9.6	8.4	10.4	8.8	8.6	10.1	11.6
21	18 87.0	9.0	9.2	9.3	9.7	8.6	10.5	8.9	8.8	10.3	11.7
21	22 87.0	9.0	9.2	9.3	9.7	8.6	10.5	8.9	8.8	10.3	11.7

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.115

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00900	AUS	128.0	147.2	-32.0	2.10	1.40	15	A883	A884	1	1.
			133.7	-24.4	6.78	5.90	172	A887	A885	2	

			1		2		3		4		5		6	
13														
14			150.0		141.9		153.0		149.0		144.7		141.0	
15			-36.5		-29.3		-30.0		-29.0		-36.1		-34.0	
16	03	64.1	4.4	5.4	4.1	5.1	5.5	6.5	5.8	6.8	4.0	5.0	3.8	4.8
16	07	64.1	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9	3.6	4.6
16	11	64.2	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9	3.6	4.6
16	15	64.2	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5	5.5	4.3	5.3
16	19	64.3	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5	5.5	4.3	5.3
16	23	64.3	5.1	6.1	4.8	5.8	6.4	7.4	6.6	7.6	4.5	5.5	4.3	5.3

17			142.2		153.0		151.2		145.0		147.3		138.6	
18			-10.6		-27.5		-33.9		-37.2		-42.9		-34.9	
19			P		P		P		F		F		F	
20			0		0		0		0		0		0	
21	28	87.0	20.3		20.6		20.7		21.1		19.9		21.9	
21	32	87.0	20.3		20.6		20.7		21.1		19.9		21.9	
21	36	87.0	20.3		20.6		20.7		21.1		19.9		21.9	
21	40	87.0	20.4		20.6		20.7		21.1		19.9		21.9	
21	26	87.0	20.3		20.6		20.7		21.1		19.9		21.9	
21	30	87.0	20.3		20.6		20.7		21.1		19.9		21.9	

17			115.9		114.1		130.8		133.9					
18			-32.0		-21.6		-12.5		-23.7					
19			K		F		P		E					
20			0		0		0		0					
21	28	87.0	20.3		20.1		21.6		23.1					
21	32	87.0	20.3		20.1		21.6		23.1					
21	36	87.0	20.3		20.1		21.6		23.1					
21	40	87.0	20.3		20.2		21.7		23.1					
21	26	87.0	20.3		20.1		21.6		23.1					
21	30	87.0	20.3		20.1		21.6		23.1					

1	2	3	4	5	6	7	8	9	10	11	12
NZL28700	NZL	128.0	173.0	-41.0	3.30	1.28	48	A883	A884	1	
			173.0	-41.0	3.30	1.28	48	A887	A882	2	

			1		2		3		4		5	
13												
14			171.8		175.9		166.3		180.0		175.0	
15			-34.1		-44.3		-45.5		-40.0		-47.0	
16	13	64.8	1.6	2.2	2.8	3.3	1.4	2.0	3.0	3.4	2.9	3.4
16	17	64.8	15.0	11.0	14.9	11.0	12.0	9.8	16.0	11.3	14.1	10.7
16	21	64.9	15.3	11.1	15.1	11.1	12.1	9.9	16.3	11.4	14.3	10.8

17			171.8		175.9		166.3		180.0		175.0			
18			-34.1		-44.3		-45.5		-40.0		-47.0			
19			K		K		K		K		K			
20			0		0		0		0		0			
21	13	84.0	3.4		4.4		2.6		3.3		4.0			
21	17	84.0	3.5		4.5		2.7		3.4		4.1			
21	21	84.0	3.5		4.5		2.7		3.4		4.1			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.116

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NRU30900	NRU	134.0	167.0	-0.5	0.60	0.60	0	A883	A884	2	
			167.0	-0.5	0.60	0.60	0	A887	A882	1	

			1		2		3		4		5	
13												
14			167.0		167.0		166.0		167.0		166.9	
15			-0.5		-0.5		-2.0		-2.0		-0.5	
16	03	62.5	15.3	16.3	15.3	16.3	9.9	10.9	11.2	12.2	15.2	16.2
16	07	62.6	15.3	16.3	15.3	16.3	9.9	10.9	11.2	12.2	15.2	16.2
16	11	62.6	15.3	16.3	15.3	16.3	9.9	10.9	11.2	12.2	15.2	16.2
16	15	62.7	15.5	16.5	15.5	16.5	10.2	11.2	11.5	12.5	15.5	16.5

17			167.0											
18			-0.5											
19			N											
20			0											
21	03	84.0	31.6											
21	07	84.0	31.6											
21	11	84.0	31.6											
21	15	84.0	31.6											

1	2	3	4	5	6	7	8	9	10	11	12
NCL10000	F	140.0	166.0	-21.0	1.14	0.72	146	A883	A884	1	8/GR6
			166.0	-21.0	1.14	0.72	146	A887	A882	2	

			1		2		3	
13								
14			164.0		167.2		167.5	
15			-19.7		-20.8		-23.0	
16	02	63.8	-2.0	-6.0	-2.8	-6.2	-3.3	-6.4
16	06	63.8	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4
16	10	63.8	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4

17			164.0		167.2		167.5	
18			-19.7		-20.8		-23.0	
19			N		N		N	
20			0		0		0	
21	02	84.0	-12.9		-12.8		-14.3	
21	06	84.0	-12.9		-12.8		-14.3	
21	10	84.0	-12.9		-12.8		-14.3	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.117

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NCL10001	F	140.0	166.0	-21.0	1.14	0.72	146	A883	A884	1	8/GR6
			-177.1	-13.6	1.22	0.60	46	A887	A882	2	

			1	2	3
13					
14			164.0	167.2	167.5
15			-19.7	-20.8	-23.0
16	14	63.9	-2.0 -7.0	-2.8 -7.3	-3.3 -7.4
17			-178.0	-176.1 -176.6	-178.1
18			-14.0	-13.1 -13.3	-14.2
19			N	N N	N
20			0	0 0	0
21	14	84.0	-15.7	-15.8 -15.3	-15.8

1	2	3	4	5	6	7	8	9	10	11	12
URS07900	URS	140.0	138.0	53.6	3.16	2.12	62	A883	A884	2	2.
			137.0	50.5	2.00	2.00	0	A887	A882	1	

			1	2	3	4	5	6
13								
14			130.6	143.4	152.5	131.0	128.4	140.7
15			42.2	46.0	64.6	47.6	73.2	72.9
16	20	67.7	3.0 4.0	16.5 17.4	24.8 25.1	9.1 10.1	19.6 20.4	22.1 22.7
16	24	67.8	6.5 7.5	19.8 20.8	23.6 24.5	10.5 11.5	17.8 18.8	20.2 21.2
16	28	67.8	22.9 23.8	24.5 25.4	25.0 25.8	21.4 22.3	0.8 1.8	20.1 21.0
16	32	67.9	23.6 24.6	25.3 26.3	25.0 26.0	21.7 22.7	17.5 18.5	20.1 21.1
16	36	68.0	24.3 25.3	26.3 27.3	25.0 26.0	22.1 23.1	17.7 18.7	20.1 21.1
16	40	68.0	24.4 25.4	26.3 27.3	25.0 26.0	22.1 23.1	17.7 18.7	20.1 21.1
17			135.6	143.8	132.1	128.3	128.5	
18			63.5	58.9	44.0	50.7	59.1	
19			C	A	K	F	C	
20			0	0	0	0	0	
21	20	89.0	23.6	23.7	24.0	23.9	23.7	
21	24	89.0	32.4	32.5	32.8	32.7	32.5	
21	28	89.0	30.1	30.2	30.5	30.3	30.2	
21	32	89.0	36.4	36.5	36.8	36.6	36.4	
21	36	89.0	37.2	37.3	37.6	37.5	37.3	
21	40	89.0	37.2	37.3	37.6	37.5	37.3	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.118

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS08000	URS	140.0	155.3	55.4	2.90	2.36	35	A883	A884	1	2.
			137.0	50.5	2.00	2.00	0	A887	A882	2	

			1	2	3	4	5	6
13								
14			-179.2	179.5	176.3	145.4	151.8	145.6
15			65.5	62.6	68.0	43.6	46.8	63.8
16	26	67.9	99.0 45.6	36.2 36.6	99.0 45.6	25.0 26.0	44.2 42.4	22.4 23.4
16	30	67.9	99.0 47.0	36.5 37.0	99.0 47.0	24.9 25.9	45.8 43.9	22.6 23.6
16	34	68.0	99.0 47.9	36.5 37.1	99.0 47.9	24.9 25.9	45.8 44.3	22.6 23.6
16	38	68.1	99.0 47.8	36.5 37.1	99.0 47.8	23.3 24.3	45.8 44.3	22.6 23.6
17			135.6	143.8	132.1	128.3	128.5	
18			63.5	58.9	44.0	50.7	59.1	
19			C	A	K	F	C	
20			0	0	0	0	0	
21	26	89.0	35.6	35.7	36.0	35.9	35.7	
21	30	89.0	37.0	37.1	37.4	37.3	37.1	
21	34	89.0	37.9	38.1	38.3	38.2	38.0	
21	38	89.0	37.8	37.9	38.2	38.1	37.9	

1	2	3	4	5	6	7	8	9	10	11	12
URS08100	URS	140.0	168.5	65.5	1.96	0.60	168	A883	A884	1	2.
			168.5	65.5	2.00	2.00	0	A887	A882	2	

			1	2	3	4	5	6
13								
14			-179.2	179.5	158.1	176.3	174.3	168.6
15			65.5	62.6	67.8	68.0	61.7	63.1
16	22	68.1	32.4 33.1	28.1 29.0	13.0 14.0	33.2 33.9	28.8 29.7	29.7 30.6
17			167.2	157.7	152.2	153.0		
18			55.1	51.2	54.2	64.3		
19			C	C	A	A		
20			0	0	0	0		
21	22	89.0	35.7	35.8	35.7	35.5		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.119

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
VUT12800	VUT	140.0	168.0	-16.4	1.52	0.68	87	A883	A884	2	
			168.0	-16.4	1.52	0.68	87	A887	A882	1	

			1	2	3
14			166.9	169.8	168.3
15			-15.0	-20.0	-17.7
16	03	62.8	12.1 10.2	6.6 6.6	11.6 10.0
16	07	62.9	12.2 10.3	6.7 6.7	11.7 10.0
16	11	63.0	12.2 10.3	6.7 6.7	11.7 10.0
16	15	63.0	12.5 10.5	6.7 6.7	11.8 10.1

17			166.9	169.8	168.3
18			-15.0	-20.0	-17.7
19			P	N	N
20			0	0	0
21	03	84.0	5.6	3.4	6.9
21	07	84.0	5.6	3.4	6.9
21	11	84.0	5.6	3.4	6.9
21	15	84.0	5.7	3.5	7.0

1	2	3	4	5	6	7	8	9	10	11	12
WAL10200	F	140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	8/GR8
			-176.8	-14.0	0.74	0.60	29	A887	A882	2	

			1	2	3	4
14			-178.0	-176.1	-176.6	-178.1
15			-14.0	-13.1	-13.3	-14.2
16	02	64.5	-1.6 -5.4	-1.2 -5.3	-0.8 -5.2	-2.0 -5.6
16	06	64.4	-1.6 -5.4	-1.2 -5.3	-0.8 -5.2	-1.9 -5.5
16	10	64.5	-1.6 -5.4	-1.2 -5.3	-0.8 -5.2	-1.9 -5.5

17			-178.0	-176.1	-176.6	-178.1
18			-14.0	-13.1	-13.3	-14.2
19			N	N	N	N
20			0	0	0	0
21	02	84.0	-12.8	-13.7	-13.0	-13.0
21	06	84.0	-12.8	-13.7	-13.0	-13.0
21	10	84.0	-12.8	-13.7	-13.0	-13.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.120

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
WAL10201	F	140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	8/GR8
			166.1	-21.3	1.31	0.82	133	A887	A882	2	

			1	2	3	4
14			-178.0	-176.1	-176.6	-178.1
15			-14.0	-13.1	-13.3	-14.2
16	14	64.6	-1.6 -5.4	-1.2 -5.3	-0.8 -5.2	-2.0 -5.6

17			164.0	167.2	167.5	
18			-19.7	-20.8	-23.0	
19			N	N	N	
20			0	0	0	
21	14	84.0	-13.3	-13.7	-13.1	

1	2	3	4	5	6	7	8	9	10	11	12
WAK33400	USA	140.0	166.5	19.2	0.60	0.60	0	A883	A884	1	8/GR11
			152.5	11.7	7.89	3.52	0	A887	A882	1	

			1
14			166.6
15			19.3
16	01	63.6	17.8 15.4
16	05	63.7	17.5 15.2
16	09	63.7	17.4 15.2
16	13	63.7	17.3 15.2

17		134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1
18		7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1
19		P	P	N	N	P	P	D	N	P
20		0	0	0	0	0	0	0	0	0
21	01 87.0	8.2	9.5	10.4	8.1	8.5	9.7	8.0	9.0	8.0
21	05 87.0	8.2	9.5	10.4	8.1	8.5	9.7	8.0	9.0	8.0
21	09 87.0	8.2	9.5	10.4	8.1	8.5	9.7	8.0	9.0	8.0
21	13 87.0	8.3	9.6	10.5	8.2	8.6	9.8	8.1	9.1	8.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.121

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
WAK33401	USA	140.0	166.5 -157.5	19.2 21.0	0.60 1.63	0.60 0.67	0 131	A883 A887	A884 A882	1 2	8/GR11

13			1						
14			166.6						
15			19.3						
16	17	63.8	22.0	20.5					
17			-155.0	-158.0	-160.0	-158.0	-156.0	-155.0	
18			19.0	20.0	23.0	22.5	21.5	21.0	
19			N	D	D	D	D	D	
20			0	0	0	0	0	0	
21	17	87.0	14.2	14.8	14.3	14.7	14.5	14.6	

1	2	3	4	5	6	7	8	9	10	11	12
MRL33300	USA	146.0	166.7 153.1	7.9 11.5	1.50 7.87	1.50 3.64	177 1	A883 A887	A884 A882	1 2	8/GR12

13			1		2		3		4		5			
14			162.1		167.3		171.1		169.5		170.2			
15			11.5		9.1		7.1		6.0		12.5			
16	02	63.3	12.8	13.6	17.2	17.8	13.7	14.5	14.1	14.9	15.6	16.3		
16	06	63.3	12.8	13.6	17.1	17.7	13.6	14.4	14.0	14.8	15.6	16.3		
16	10	63.4	13.2	14.0	17.3	17.9	13.8	14.6	14.1	14.9	15.9	16.6		
16	14	63.5	13.3	14.1	17.3	17.9	13.8	14.6	14.1	14.9	16.0	16.7		
17			134.6	138.6	144.5		145.0	146.0	158.3		166.6	170.2	171.1	
18			7.5	9.5	13.0		20.0	4.0	7.0		19.3	12.5	7.1	
19			P	P	N		N	P	P		D	N	P	
20			0	0	0		0	0	0		0	0	0	
21	02	87.0	18.2	19.4	20.3		18.1	18.7	19.9		18.1	19.1	18.1	
21	06	87.0	18.2	19.4	20.3		18.1	18.7	19.9		18.1	19.1	18.1	
21	10	87.0	18.6	19.8	20.7		18.4	19.1	20.3		18.5	19.4	18.4	
21	14	87.0	18.8	20.0	20.9		18.7	19.3	20.5		18.7	19.7	18.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.122

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRL33301	USA	146.0	166.7 -157.5	7.9 21.0	1.50 1.63	1.50 0.67	177 131	A883 A887	A884 A882	1 2	8/GR12

13			1		2		3		4		5			
14			162.1		167.3		171.1		169.5		170.2			
15			11.5		9.1		7.1		6.0		12.5			
16	18	63.5	15.9	16.8	19.6	20.3	17.0	17.8	18.6	19.3	19.1	19.8		
17			-155.0	-158.0	-160.0	-158.0	-156.0	-155.0						
18			19.0	20.0	23.0	22.5	21.5	21.0						
19			N	D	D	D	D	D						
20			0	0	0	0	0	0						
21	18	87.0	22.0	22.4	22.0	22.5	21.8	21.9						

1	2	3	4	5	6	7	8	9	10	11	12
FJI19300	FJI	152.0	179.4 179.4	-17.9 -17.9	1.04 1.04	0.98 0.98	67 67	A883 A887	A884 A882	1 2	

13			1		2		3		4		5		6	
14			177.5		-178.5		176.9		180.0		-179.1		-178.3	
15			-19.0		-19.9		-17.1		-15.7		-16.1		-19.0	
16	01	63.7	6.4	7.4	4.9	5.9	10.3	11.3	10.6	11.6	9.9	10.9	7.1	8.1
16	05	63.8	6.3	7.3	4.8	5.8	10.2	11.2	10.5	11.5	9.7	10.7	6.9	7.9
16	09	63.8	6.2	7.2	4.7	5.7	10.1	11.1	10.5	11.5	9.7	10.7	6.8	7.8
17			177.5	-178.5	176.9		180.0	-179.1	-178.3					
18			-19.0	-19.9	-17.1		-15.7	-16.1	-19.0					
19			N	N	N		N	N	N					
20			0	0	0		0	0	0					
21	01	84.0	26.2	25.6	25.9		25.9	25.7	26.2					
21	05	84.0	26.2	25.5	25.9		25.8	25.7	26.2					
21	09	84.0	26.2	25.5	25.9		25.8	25.7	26.2					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.123

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CKH05200	NZL	158.0	-161.0	-19.8	1.02	0.64	132	A883	A884	2	8/GR3
			-161.0	-19.8	1.02	0.64	132	A887	A882	1	

13			1		2		3		4		5				
14			-163.5		-158.5		-157.2		-157.6		-160.0				
15			-17.5		-19.4		-20.0		-22.0		-21.3				
16	02	64.7	15.0	11.9	16.4	12.4	15.3	12.1	17.7	12.8	18.7	13.0			
16	06	64.6	14.9	11.9	16.2	12.4	15.2	12.0	17.6	12.8	18.5	13.0			
16	10	64.7	14.9	11.9	16.2	12.4	15.2	12.0	17.6	12.8	18.5	13.0			
17			-163.5		-158.5		-157.2		-157.6		-160.0				
18			-17.5		-19.4		-20.0		-22.0		-21.3				
19			D		D		D		D		D				
20			0		0		0		0		0				
21	02	84.0	7.0		5.2		4.1		7.1		8.4				
21	06	84.0	7.0		5.2		4.1		7.1		8.4				
21	10	84.0	7.0		5.2		4.1		7.1		8.4				

1	2	3	4	5	6	7	8	9	10	11	12
CKH05201	NZL	158.0	-161.0	-19.8	1.02	0.64	132	A883	A884	2	8/GR3
			172.3	-39.7	2.88	1.56	47	A887	A882	1	

13			1		2		3		4		5				
14			-163.5		-158.5		-157.2		-157.6		-160.0				
15			-17.5		-19.4		-20.0		-22.0		-21.3				
16	14	64.8	14.9	10.7	16.2	11.0	15.2	10.7	17.5	11.3	18.5	11.5			
17			166.3		171.8		179.0		174.0						
18			-45.5		-34.1		-37.6		-46.0						
19			K		K		K		K						
20			0		0		0		0						
21	14	84.0	2.6		3.2		2.2		2.7						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.124

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CKH05300	NZL	158.0	-163.0	-11.2	1.76	0.72	30	A883	A884	2	8/GR4
			-161.0	-19.8	1.00	0.60	132	A887	A882	1	

13			1		2		3		4		5				
14			-158.0		-163.1		-165.0		-166.0		-165.0				
15			-9.0		-13.5		-12.5		-11.0		-10.5				
16	04	64.4	3.6	4.1	4.1	4.6	8.1	7.9	7.7	7.6	7.6	7.5			
16	08	64.3	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.5	7.4			
16	12	64.4	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.5	7.4			
17			-161.8		-159.7		-157.9		-156.9		-160.1		-162.3	-163.9	-164.5
18			-17.6		-18.6		-19.9		-22.1		-22.0		-21.0	-19.7	-17.6
19			D		D		D		D		D		D	D	D
20			0		0		0		0		0		0	0	0
21	04	84.0	5.2		4.1		4.9		6.2		5.2		4.2	5.0	6.4
21	08	84.0	5.2		4.1		4.9		6.2		5.2		4.2	5.0	6.4
21	12	84.0	5.2		4.1		4.9		6.2		5.2		4.2	5.0	6.4

1	2	3	4	5	6	7	8	9	10	11	12
CKH05301	NZL	158.0	-163.0	-11.2	1.76	0.72	30	A883	A884	2	8/GR4
			172.3	-39.7	2.88	1.56	47	A887	A882	1	

13			1		2		3		4		5				
14			-158.0		-163.1		-165.0		-166.0		-165.0				
15			-9.0		-13.5		-12.5		-11.0		-10.5				
16	16	64.5	3.8	4.6	4.3	5.1	8.3	8.8	8.0	8.5	7.9	8.4			
17			166.3		171.8		179.0		174.0						
18			-45.5		-34.1		-37.6		-46.0						
19			K		K		K		K						
20			0		0		0		0						
21	16	84.0	9.0		9.6		8.5		9.1						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 125

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NIU05400	NZL	158.0	-169.8	-19.0	0.60	0.60	0	A883	A884	2	8/GR2
			-169.8	-19.0	0.60	0.60	0	A887	A882	1	

13			1				
14			-169.9				
15			-19.0				
16	19	64.1	27.5	26.7			
17			-169.9				
18			-19.0				
19			N				
20			0				
21	19	84.0	21.5				

1	2	3	4	5	6	7	8	9	10	11	12
NIU05401	NZL	158.0	-169.8	-19.0	0.60	0.60	0	A883	A884	2	8/GR2
			172.3	-39.7	2.88	1.56	47	A887	A882	1	

13			1				
14			-169.9				
15			-19.0				
16	23	64.1	27.4	13.3			
17			166.3	171.8	179.0	174.0	
18			-45.5	-34.1	-37.6	-46.0	
19			K	K	K	K	
20			0	0	0	0	
21	23	84.0	3.8	4.5	3.4	4.0	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 126

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NZL05500	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	
			172.3	-39.7	2.88	1.56	47	A887	A882	2	

13			1		2		3		4		
14			166.3		171.8		179.0		174.0		
15			-45.5		-34.1		-37.6		-46.0		
16	01	63.3	16.8	15.6	16.5	15.4	16.2	15.2	17.2	15.8	
16	05	63.4	15.4	13.3	15.4	13.3	15.2	13.2	16.1	13.6	
16	09	63.4	15.5	13.3	15.5	13.3	15.3	13.2	16.2	13.7	
16	13	63.5	0.0	0.7	0.2	0.9	-0.7	0.0	-0.7	0.0	
17			166.3	171.8	179.0	174.0					
18			-45.5	-34.1	-37.6	-46.0					
19			K	K	K	K					
20			0	0	0	0					
21	01	84.0	10.0	10.6	9.6	10.2					
21	05	84.0	6.6	7.2	6.2	6.8					
21	09	84.0	6.6	7.2	6.2	6.8					
21	13	84.0	2.8	3.4	2.4	2.9					

1	2	3	4	5	6	7	8	9	10	11	12
TKL05800	NZL	158.0	-171.8	-8.9	0.70	0.60	35	A883	A884	1	8/GR1
			-171.8	-8.9	0.70	0.60	35	A887	A882	2	

13			1		2		3	
14			-172.4		-171.2		-172.1	
15			-8.6		-9.5		-9.2	
16	20	63.8	26.8	25.9	25.6	25.1	26.9	26.0
17			-172.4	-171.2	-172.1			
18			-8.6	-9.5	-9.2			
19			N	N	N			
20			0	0	0			
21	20	84.0	21.2	20.4	22.4			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.127

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TKL05801	NZL	158.0	-171.8	-8.9	0.70	0.60	35	A883	A884	1	8/GR1
			172.3	-39.7	2.88	1.56	47	A887	A882	2	

13			1		2		3			
14			-172.4		-171.2		-172.1			
15			-8.6		-9.5		-9.2			
16	24	63.9	27.0	13.3	25.8	13.2	27.1	13.3		
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	24	84.0	3.8	4.4	3.4	4.0				

1	2	3	4	5	6	7	8	9	10	11	12
SMO05700	SMO	158.0	-172.3	-13.7	0.60	0.60	0	A883	A884	1	
			-172.3	-13.7	0.60	0.60	0	A887	A882	2	

13			1		2		3		4			
14			-172.5		-171.3		-172.0		-171.0			
15			-13.6		-14.0		-13.8		-14.1			
16	03	63.7	9.8	8.4	7.7	7.1	9.5	8.3	6.8	6.5		
16	07	63.7	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4		
16	11	63.8	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4		
16	15	63.8	9.7	9.5	7.7	7.9	9.5	9.4	6.7	7.1		
17			-172.5	-171.3	-172.0	-171.0						
18			-13.6	-14.0	-13.8	-14.1						
19			N	N	N	N						
20			0	0	0	0						
21	03	84.0	5.4	3.2	5.4	2.2						
21	07	84.0	5.4	3.2	5.4	2.2						
21	11	84.0	5.4	3.2	5.4	2.2						
21	15	84.0	9.0	6.8	9.0	5.8						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.128

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PLM33700	USA	170.0	-161.4	7.0	0.60	0.60	0	A883	A884	1	8/GR9
			-166.3	-0.2	7.97	1.04	72	A887	A882	2	

13			1		2						
14			-162.0		-162.4						
15			5.8		6.1						
16	01	62.4	6.4	7.4	6.4	7.4					
16	05	62.4	5.5	6.5	5.5	6.5					
16	09	62.5	5.5	6.5	5.5	6.5					
16	13	62.6	5.5	6.5	5.5	6.5					
17			-170.7	-171.0	-169.6	-162.4	-162.0	-158.0			
18			-14.3	-11.0	-14.2	6.1	5.8	17.5			
19			N	N	N	N	N	N			
20			0	0	0	0	0	0			
21	01	87.0	25.9	25.8	25.6	26.3	25.7	25.1			
21	05	87.0	25.8	25.7	25.5	26.2	25.7	25.0			
21	09	87.0	25.8	25.7	25.5	26.2	25.7	25.0			
21	13	87.0	27.4	27.3	27.2	27.8	27.3	26.6			

1	2	3	4	5	6	7	8	9	10	11	12
PLM33701	USA	170.0	-161.4	7.0	0.60	0.60	0	A883	A884	1	8/GR9
			-124.8	39.2	4.43	0.73	132	A887	A882	2	

13			1		2						
14			-162.0		-162.4						
15			5.8		6.1						
16	17	62.6	5.6	6.6	5.6	6.6					
17			-125.0	-123.0	-123.8	-117.1	-122.0	-120.0	-118.0		
18			48.2	49.0	39.0	32.5	52.0	40.0	33.0		
19			D	D	D	E	D	D	E		
20			0	0	0	0	0	0	0		
21	17	87.0	47.1	47.0	48.6	47.3	45.8	47.1	47.5		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.129

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SMA33500	USA	170.0	-170.1	-14.2	0.60	0.60	0	A883	A884	2	8/GR13
			-166.3	-0.2	7.97	1.04	72	A887	A882	1	

13			1		2		3		4		
14			-170.7		-169.6		-169.5		-171.0		
15			-14.3		-14.1		-14.2		-11.0		
16	01	61.2	12.7	13.4	13.6	14.2	13.3	14.0	0.4	1.4	
16	05	61.3	8.2	9.1	9.0	9.9	8.8	9.7	-3.4	-2.4	
16	09	61.3	8.2	9.1	9.0	9.9	8.8	9.7	-3.5	-2.5	
16	13	61.3	8.2	9.1	9.0	9.9	8.7	9.6	-3.5	-2.5	
17			-170.7	-171.0	-169.6	-162.4	-162.0	-158.0			
18			-14.3	-11.0	-14.2	6.1	5.8	17.5			
19			N	N	N	N	N	N			
20			0	0	0	0	0	0			
21	03	87.0	16.0	15.9	15.7	16.4	15.8	15.1			
21	07	87.0	16.0	15.9	15.7	16.4	15.8	15.1			
21	11	87.0	16.0	15.9	15.7	16.4	15.8	15.1			
21	15	87.0	16.0	15.9	15.7	16.4	15.8	15.1			

1	2	3	4	5	6	7	8	9	10	11	12
SMA33501	USA	170.0	-170.1	-14.2	0.60	0.60	0	A883	A884	2	8/GR13
			-124.8	39.2	4.43	0.73	132	A887	A882	1	

13			1		2		3		4		
14			-170.7		-169.6		-169.5		-171.0		
15			-14.3		-14.1		-14.2		-11.0		
16	17	61.4	8.9	9.9	9.5	10.5	9.3	10.3	-3.1	-2.1	
17			-125.0	-123.0	-123.8	-117.1	-122.0	-120.0	-118.0		
18			48.2	49.0	39.0	32.5	52.0	40.0	33.0		
19			D	D	D	E	D	D	E		
20			0	0	0	0	0	0	0		
21	19	87.0	47.2	47.1	48.6	47.4	45.9	47.2	47.6		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.130

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TON21500	TON	170.0	-174.7	-18.0	1.41	0.68	85	A883	A884	1	
			-174.7	-18.0	1.41	0.68	85	A887	A882	1	

13			1		2		3		4		5			
14			-175.6		-173.7		-174.0		-174.7		-175.2			
15			-15.6		-15.9		-18.6		-19.9		-21.1			
16	04	63.4	7.5	8.5	4.6	5.6	10.1	11.1	12.7	13.7	12.5	13.5		
16	08	63.3	7.5	8.5	4.6	5.6	10.1	11.1	12.7	13.7	12.4	13.4		
16	12	63.4	7.6	8.6	4.6	5.6	10.2	11.2	13.1	14.1	13.0	14.0		
16	16	63.5	7.7	8.7	4.6	5.6	10.3	11.3	13.2	14.2	13.2	14.2		
17			-175.6	-173.7	-174.0	-174.7	-175.2							
18			-15.6	-15.9	-18.6	-19.9	-21.1							
19			N	N	N	N	N							
20			0	0	0	0	0							
21	21	84.0	42.0	41.7	43.2	43.5	41.6							
21	25	84.0	51.3	51.1	52.5	52.9	51.0							
21	29	84.0	53.6	53.4	54.8	55.2	53.3							
21	33	84.0	53.6	53.4	54.9	55.2	53.3							

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 2 to
Document 341-E
28 September 1988
Original: English

COMMITTEE 5

BSS FEEDER-LINK PLANNING

ANALYSIS OF THE DRAFT PLAN

1. Page 2, replace the sentence following the title by: "The list presented in Document 341 is in the order of longitude at satellite sub-orbital position."

2. The annexed pages are to replace the corresponding pages in Document 341. They take into account the corrections agreed during the last meeting of Working Group 5-A as well as those listed in Corrigendum 1.

R.M. BARTON
Chairman of Working Group 5-A

Annexes: Replacement pages

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

- 6(Rev.) -

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IFB02100	AFS	5.0	24.5	-28.0	3.13	1.68	27	A883	A884	2	
			24.5	-28.0	3.13	1.68	27	A881	A882	1	

			1		2		3		4		5		6	
13														
14			30.0		32.5		25.8		20.0		16.8		18.2	
15			-22.1		-27.0		-24.7		-25.0		-28.0		-34.2	
16	21	64.1	0.7	1.3	4.4	4.5	6.4	6.0	10.4	8.5	12.1	9.3	11.4	9.0
16	25	64.2	-0.3	0.4	3.1	3.4	1.4	1.9	-0.7	0.0	0.1	0.8	4.0	4.2
16	29	64.1	-0.3	0.6	3.1	4.0	1.4	2.3	-0.7	0.2	0.2	1.1	4.1	4.9
16	33	64.2	-0.3	0.3	3.2	3.4	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.1
16	37	64.3	-0.3	0.3	3.1	3.3	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.2

17			30.0	32.5	24.0	20.0	16.8	18.2	25.6	31.0	28.9	14.5		
18			-22.1	-27.0	-23.0	-25.0	-28.0	-34.2	-33.9	-29.7	-26.2	-25.0		
19			E	K	E	C	C	D	D	K	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	07	82.0	8.3	9.0	8.7	8.7	8.6	8.2	8.0	8.9	10.7	1.7		
21	11	82.0	8.4	9.1	8.9	8.9	8.8	8.4	8.2	9.0	10.8	1.9		
21	01	82.0	16.2	16.9	16.6	16.6	16.6	16.1	16.0	16.8	18.6	9.6		
21	05	82.0	7.8	8.5	8.2	8.2	8.2	7.7	7.6	8.4	10.2	1.2		
21	09	82.0	7.9	8.6	8.4	8.4	8.3	7.9	7.7	8.5	10.3	1.3		

- 11 - (Rev.)

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 16

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SNG15100	SNG	74.0	103.8	1.3	0.60	0.60	0	A883	A884	2	
			103.8	1.3	0.60	0.60	0	A881	A882	1	

			1		2		3		4		5		6	
13														
14			103.8		104.0		104.0		103.0		102.4		106.0	
15			1.5		1.4		0.5		2.8		0.4		1.1	
16	03	63.6	3.5	4.5	3.5	4.5	1.6	2.6	-1.0	0.0	-0.6	0.4	-1.6	-0.6
16	07	63.6	3.4	4.4	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4	-1.6	-0.6
16	11	63.7	10.9	11.9	10.8	11.8	10.5	11.5	5.3	6.3	10.6	11.6	3.3	4.3
16	15	63.7	6.8	7.8	6.7	7.7	5.7	6.7	1.6	2.6	4.5	5.5	0.3	1.3

17			103.8	104.0	104.0	103.0	102.4	106.0						
18			1.5	1.4	0.5	2.8	0.4	1.1						
19			P	P	P	P	P	P						
20			0	0	0	0	0	0						
21	02	82.0	41.9	41.9	39.9	35.7	36.6	34.8						
21	06	82.0	41.2	41.2	39.1	34.9	35.9	34.1						
21	10	82.0	43.0	43.0	40.9	36.7	37.7	35.9						
21	14	82.0	41.5	41.5	39.4	35.2	36.2	34.4						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 27

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TCD14300	TCD	-13.0	18.1	15.5	3.40	1.72	107	A883	A884	2	
			18.1	15.5	3.40	1.72	107	A887	A882	1	

			1		2		3		4		5		6	
13														
14			14.0		15.5		23.8		16.5		23.0		20.0	
15			14.5		22.8		19.3		8.2		11.9		22.0	
16	02	64.0	6.6	5.9	7.3	6.4	8.4	7.1	4.7	4.6	9.4	7.6	8.4	7.1
16	06	64.0	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.3	7.6	8.3	7.0
16	10	64.1	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6	8.3	7.0
16	14	64.1	6.6	5.9	7.2	6.3	8.4	7.1	4.7	4.6	9.4	7.6	8.4	7.1
16	18	64.2	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6	8.4	7.1

			14.0	15.5	23.8	16.5	23.0	20.0
17								
18			14.5	22.8	19.3	8.2	11.9	22.0
19			E	A	C	N	K	A
20			0	0	0	0	0	0
21	02	84.0	2.5	2.1	0.9	1.9	2.1	2.6
21	06	84.0	2.5	2.1	0.9	1.9	2.1	2.6
21	10	84.0	2.5	2.1	0.9	1.9	2.1	2.6
21	14	84.0	2.5	2.1	0.9	1.9	2.1	2.6
21	18	84.0	2.5	2.1	0.9	1.9	2.1	2.6

1	2	3	4	5	6	7	8	9	10	11	12
ALB29600	ALB	-7.0	19.8	41.3	0.68	0.60	146	A883	A884	2	
			20.1	41.0	1.17	0.65	128	A887	A882	2	

			1		2		3		4		5		6	
13														
14			19.8		19.3		19.4		20.3		21.0		20.7	
15			42.6		41.8		40.4		39.7		40.9		42.0	
16	22	63.8	-2.0	-1.1	-0.1	0.8	0.8	1.7	-0.6	0.3	0.3	1.2	-0.1	0.8
16	26	63.8	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	30	63.9	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	34	63.9	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	38	64.0	-2.3	-1.3	-0.5	0.5	0.1	1.1	-1.3	-0.3	-0.3	0.7	-0.5	0.5

			19.7	19.4	19.3	20.2	21.1	20.5
17								
18			42.7	42.4	40.5	39.7	40.7	42.2
19			K	K	L	L	L	K
20			0	0	0	0	0	0
21	21	84.0	7.0	7.1	7.0	7.4	7.1	7.3
21	25	84.0	13.6	13.7	13.6	14.1	13.7	13.9
21	29	84.0	13.7	13.8	13.7	14.2	13.8	14.0
21	33	84.0	13.7	13.8	13.7	14.2	13.8	14.0
21	37	84.0	13.7	13.8	13.7	14.2	13.8	14.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 28

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
EGY02600	EGY	-7.0	29.7	26.8	2.33	1.72	136	A883	A884	2	
			29.7	26.8	2.33	1.72	136	A887	A882	1	

			1		2		3		4		5		6	
13														
14			24.8		24.8		33.7		36.0		35.0		34.5	
15			31.8		21.8		21.6		23.3		29.4		31.7	
16	04	63.1	3.7	4.3	5.0	5.5	1.5	2.3	-0.3	0.5	1.5	2.3	1.3	2.1
16	08	63.2	3.7	4.3	4.9	5.4	1.5	2.3	-0.2	0.6	1.4	2.2	1.2	2.0
16	12	63.2	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	16	63.3	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	20	63.3	3.5	4.2	5.3	5.8	1.5	2.3	-0.2	0.7	1.3	2.1	0.9	1.7

			24.8	24.8	33.7	36.0	35.0	34.5	31.3	31.1	33.0	28.5
17												
18			31.8	21.8	21.6	23.3	29.4	31.7	30.0	27.2	24.1	28.0
19			E	A	A	A	C	E	C	C	C	C
20			0	0	0	0	0	0	0	0	0	0
21	04	86.0	5.1	5.0	5.3	5.4	6.6	5.8	7.5	8.4	7.2	8.4
21	08	86.0	5.1	5.0	5.3	5.4	6.6	5.8	7.5	8.4	7.2	8.4
21	12	86.0	5.1	5.0	5.3	5.4	6.6	5.8	7.5	8.4	7.2	8.4
21	16	86.0	5.1	5.0	5.3	5.4	6.6	5.8	7.5	8.4	7.2	8.4
21	20	86.0	5.8	5.7	6.0	6.1	7.3	6.5	8.2	9.2	7.9	9.1

1	2	3	4	5	6	7	8	9	10	11	12
SDN23000	SDN	-7.0	29.2	7.5	2.34	1.12	148	A883	A884	2	
			29.9	9.8	2.95	2.17	123	A887	A882	2	

			1		2		3		4		5		6	
13														
14			36.0		34.0		30.0		23.0		23.5		30.0	
15			4.6		8.5		10.0		11.0		8.7		4.0	
16	23	64.4	3.7	3.7	2.3	2.6	2.1	2.4	1.0	1.4	1.2	1.6	1.4	1.8
16	27	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	31	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	35	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	39	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7

			36.0	34.0	30.0	23.0	28.2	30.5	32.6
17									
18			4.6	8.5	10.0	10.7	4.2	3.6	15.6
19			J	J	K	K	N	K	C
20			0	0	0	0	0	0	0
21	23	86.0	0.6	2.4	3.3	0.9	0.9	0.9	0.8
21	27	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8
21	31	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8
21	35	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8
21	39	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 29

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SDN23100	SDN	-7.0	28.9 29.9	12.7 12.9	2.26 2.64	1.96 2.08	159 155	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			34.0		36.8		32.0		23.0		22.0		23.0	
15			8.5		16.0		16.0		15.6		13.0		10.7	
16	22	63.5	-1.7	-0.9	-1.1	-0.3	1.7	2.3	2.1	2.7	1.1	1.8	1.2	1.9
16	26	63.5	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
16	30	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
16	34	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
16	38	63.7	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
17			34.0		36.8		32.6		23.0		23.0		23.5	30.0
18			8.5		16.0		15.6		15.6		13.0		10.7	10.0
19			J		C		C		C		K		H	K
20			0		0		0		0		0		0	0
21	22	86.0	3.2		3.0		4.5		3.1		3.6		3.3	4.7
21	26	86.0	3.2		3.0		4.5		3.1		3.6		3.3	4.7
21	30	86.0	3.2		3.0		4.5		3.1		3.6		3.3	4.7
21	34	86.0	3.2		3.0		4.5		3.1		3.6		3.3	4.7
21	38	86.0	3.2		3.0		4.5		3.1		3.6		3.3	4.7

1	2	3	4	5	6	7	8	9	10	11	12
SDN23200	SDN	-7.0	30.4 29.6	19.0 18.4	2.44 2.54	1.52 2.09	176 167	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			36.8		38.5		35.5		25.0		24.0		32.0	
15			16.0		18.0		23.0		22.0		15.8		16.0	
16	24	63.3	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.2	0.5	2.7	3.1
16	28	63.3	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
16	32	63.4	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
16	36	63.4	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
16	40	63.5	3.3	3.6	5.8	5.7	5.3	5.3	1.8	2.3	0.0	0.7	3.0	3.4
17			36.8		38.5		35.5		25.0		24.0		23.0	32.6
18			16.0		18.0		23.0		22.0		20.0		15.6	15.6
19			C		C		A		A		C		E	E
20			0		0		0		0		0		0	0
21	24	86.0	1.7		1.7		1.7		2.0		2.7		2.1	3.0
21	28	86.0	1.7		1.7		1.7		2.0		2.7		2.1	3.0
21	32	86.0	1.7		1.7		1.7		2.0		2.7		2.1	3.0
21	36	86.0	1.7		1.7		1.7		2.0		2.7		2.1	3.0
21	40	86.0	2.2		2.2		2.2		2.5		3.2		2.6	3.5

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 30

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
YUG14800	YUG	-7.0	18.4 18.6	43.7 43.8	1.68 2.21	0.66 0.92	154 156	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			13.4		21.0		20.1		16.1		22.7		23.0	
15			46.4		40.6		46.3		42.9		44.5		43.1	
16	21	65.2	-1.4	-0.7	2.7	3.0	0.2	0.8	4.6	4.6	0.8	1.4	1.8	2.3
16	25	65.3	-1.4	-0.7	4.3	4.2	0.5	1.0	4.5	4.4	2.6	2.8	4.3	4.2
16	29	65.3	-1.7	-1.0	3.7	3.7	-0.9	-0.3	4.0	4.0	0.2	0.7	2.0	2.3
16	33	65.4	-1.7	-1.0	3.7	3.7	-0.9	-0.3	4.0	4.0	0.2	0.7	2.0	2.3
16	37	65.4	-1.7	-1.0	3.6	3.6	-0.9	-0.3	3.9	3.9	0.2	0.7	2.0	2.3
17			16.3		13.2		13.9		16.1		19.4		21.0	
18			46.9		46.3		44.9		43.0		41.9		40.9	
19			K		K		K		K		K		L	
20			0		0		0		0		0		0	
21	01	85.0	2.3		1.8		2.4		2.7		3.0		2.3	
21	05	85.0	1.3		0.9		1.5		1.7		2.1		1.4	
21	09	85.0	1.3		0.9		1.5		1.7		2.1		1.4	
21	13	85.0	1.3		0.9		1.5		1.8		2.1		1.4	
21	17	85.0	1.3		0.9		1.5		1.8		2.1		1.4	

1	2	3	4	5	6	7	8	9	10	11	12
YUG14900	YUG	-7.0	18.4 18.6	43.7 43.8	1.68 2.21	0.66 0.92	154 156	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			13.4		21.0		20.1		16.1		22.7		23.0	
15			46.4		40.6		46.3		42.9		44.5		43.1	
16	23	65.2	-1.4	-0.7	0.3	0.9	-1.4	-0.7	-0.2	0.4	-0.1	0.5	0.9	1.4
16	27	65.3	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
16	31	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
16	35	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
16	39	65.5	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.3	-1.5	-0.4	0.2
17			16.3		13.2		13.9		16.1		19.4		21.0	
18			46.9		46.3		44.9		43.0		41.9		40.9	
19			K		K		K		K		K		L	
20			0		0		0		0		0		0	
21	03	84.0	1.9		1.4		2.0		2.3		2.6		1.9	
21	07	84.0	1.9		1.4		2.0		2.3		2.6		1.9	
21	11	84.0	1.9		1.4		2.0		2.3		2.7		1.9	
21	15	84.0	1.9		1.4		2.0		2.3		2.6		1.9	
21	19	84.0	1.9		1.4		2.0		2.3		2.7		1.9	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 31

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BOT29700	BOT	-1.0	23.3	-22.2	2.13	1.50	36	A883	A884	2	
			23.3	-22.2	2.13	1.50	36	A887	A882	1	

			1		2		3		4		5		6	
13														
14			21.0		25.3		29.3		25.6		20.6		20.0	
15			-18.4		-17.8		-22.1		-25.6		-27.0		-23.3	
16	02	63.8	5.2	2.3	3.6	1.6	5.9	2.6	8.0	3.3	8.3	3.3	9.5	3.6
16	06	63.8	5.1	2.3	3.5	1.5	5.8	2.6	7.9	3.2	8.2	3.3	9.4	3.6
16	10	63.9	5.1	2.3	3.5	1.5	5.8	2.6	7.9	3.2	8.2	3.3	9.4	3.6
16	14	63.9	5.2	2.3	3.5	1.5	5.8	2.6	8.0	3.3	8.3	3.3	9.5	3.6
16	18	64.0	5.1	2.3	3.5	1.5	5.8	2.6	7.9	3.2	8.2	3.3	9.4	3.6
17			21.0		25.3		29.3		25.6		20.6		20.0	
18			-18.4		-17.8		-22.1		-25.6		-27.0		-23.3	
19			E		E		E		E		C		C	
20			0		0		0		0		0		0	
21	02	85.0	-5.2		-4.9		-5.4		-4.6		-5.4		-3.2	
21	06	85.0	-5.2		-4.9		-5.4		-4.6		-5.4		-3.2	
21	10	85.0	-5.2		-4.9		-5.4		-4.6		-5.4		-3.2	
21	14	85.0	-5.2		-4.9		-5.4		-4.6		-5.4		-3.2	
21	18	85.0	-5.2		-4.9		-5.4		-4.6		-5.4		-3.2	

1	2	3	4	5	6	7	8	9	10	11	12
BUL02000	BUL	-1.0	25.0	43.0	1.04	0.60	165	A883	A884	1	
			25.0	43.0	2.00	2.00	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			22.6		28.7		22.4		28.1		23.0		25.3	
15			44.3		43.8		42.3		42.0		41.3		41.2	
16	04	63.6	-1.0	-0.4	-2.2	-1.5	-0.6	-0.1	-2.3	-1.6	-1.9	-1.3	-1.7	-1.1
16	08	63.7	-0.9	-0.3	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	12	63.8	-0.9	-0.3	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	16	63.8	-0.9	-0.3	-2.1	-1.4	-0.5	0.0	-2.2	-1.5	-1.8	-1.2	-1.6	-1.0
16	20	63.9	-1.8	-1.0	-1.2	-0.5	-1.3	-0.6	-1.6	-0.8	-2.2	-1.4	-1.6	-0.8
17			22.6		28.7		22.4		28.1		23.0		25.3	
18			44.3		43.8		42.3		42.0		41.3		41.2	
19			K		K		K		K		L		L	
20			0		0		0		0		0		0	
21	04	84.0	0.0		0.0		0.3		-0.2		0.4		0.4	
21	08	84.0	0.0		0.0		0.3		-0.2		0.4		0.4	
21	12	84.0	0.0		0.0		0.4		-0.2		0.4		0.4	
21	16	84.0	0.0		0.0		0.4		-0.2		0.4		0.4	
21	20	84.0	2.0		2.1		2.4		1.9		2.5		2.4	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 32

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DDR21600	DDR	-1.0	12.6	52.1	0.83	0.63	172	A883	A884	2	
			17.2	51.8	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.5		14.5		15.0		13.0		9.9		11.0	
15			54.5		53.4		51.0		50.5		51.4		54.0	
16	21	64.2	-2.7	-2.0	-1.1	-0.5	-2.2	-1.5	-1.2	-0.6	-2.3	-1.6	-3.3	-2.6
16	25	64.3	-3.1	-2.3	-1.5	-0.8	-2.4	-1.7	-1.4	-0.7	-2.5	-1.7	-3.5	-2.7
16	29	64.3	-2.9	-2.1	-1.6	-0.9	-2.8	-2.0	-1.6	-0.9	-2.3	-1.6	-3.3	-2.5
16	33	64.4	-3.0	-2.2	-1.8	-1.1	-2.9	-2.1	-1.7	-1.0	-2.2	-1.5	-3.3	-2.5
16	37	64.4	-2.8	-2.0	-1.3	-0.6	-2.6	-1.8	-1.4	-0.7	-2.3	-1.6	-3.3	-2.5
17			13.4		10.8		9.9		14.3		14.4			
18			54.6		54.0		50.6		49.4		53.3			
19			E		E		E		H		E			
20			0		0		0		0		0			
21	21	84.0	0.7		-0.2		0.0		1.7		1.4			
21	25	84.0	1.7		0.8		1.1		2.7		2.4			
21	29	84.0	1.7		0.8		1.0		2.7		2.4			
21	33	84.0	1.7		0.8		1.0		2.7		2.4			
21	37	84.0	1.7		0.8		1.0		2.7		2.4			

1	2	3	4	5	6	7	8	9	10	11	12
HHG10600	HHG	-1.0	19.5	47.2	0.92	0.60	176	A883	A884	1	
			22.2	45.6	2.00	2.00	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			22.9		20.8		17.3		16.1		18.0		21.0	
15			48.0		48.6		48.1		46.8		45.7		46.2	
16	22	64.0	-0.6	0.2	-0.1	0.6	-2.3	-1.5	-2.9	-2.0	-2.1	-1.3	-2.1	-1.3
16	26	64.0	-0.6	0.1	0.0	0.7	-2.2	-1.4	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	30	64.1	-0.6	0.2	0.0	0.7	-2.1	-1.3	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	34	64.1	-0.3	0.4	0.3	1.0	-2.0	-1.2	-2.8	-2.0	-2.0	-1.2	-2.1	-1.3
16	38	64.2	-0.4	0.3	0.5	1.2	-1.5	-0.7	-2.5	-1.7	-2.1	-1.3	-2.2	-1.4
17			22.9		20.8		17.3		16.1		18.0		21.0	
18			48.0		48.6		48.1		46.8		45.7		46.2	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	22	84.0	4.6		4.0		2.8		2.7		3.9		4.8	
21	26	84.0	4.5		4.0		2.8		2.6		3.9		4.8	
21	30	84.0	4.6		4.0		2.8		2.7		3.9		4.8	
21	34	84.0	4.5		3.9		2.7		2.6		3.9		4.7	
21	38	84.0	4.5		3.9		2.8		2.6		3.9		4.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 33

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MNI30800	MNI	-1.0	34.1	-13.0	1.54	0.60	87	A883	A884	2	
			34.1	-13.0	1.54	0.60	87	A887	A882	2	

			1		2		3		4		5		6	
13														
14			32.8		34.0		34.6		35.8		35.2		32.0	
15			-9.3		-9.8		-11.0		-14.8		-17.2		-13.0	
16	24	64.2	10.3	7.9	11.6	8.5	12.5	8.8	11.5	8.4	9.5	7.5	10.0	7.8
16	28	64.3	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	32	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	36	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	40	64.5	10.9	8.2	12.3	8.8	13.4	9.2	14.2	9.4	14.6	9.5	11.6	8.5
17			32.8		34.0		34.6		35.8		35.2		32.0	
18			-9.3		-9.8		-11.0		-14.8		-17.2		-13.0	
19			J		J		J		J		J		J	
20			0		0		0		0		0		0	
21	24	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	28	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	32	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	36	84.0	3.6		5.0		5.6		4.0		3.7		0.6	
21	40	84.0	3.7		5.1		5.7		4.1		3.8		0.7	

1	2	3	4	5	6	7	8	9	10	11	12
POL13200	POL	-1.0	19.3	51.8	1.46	0.64	162	A883	A884	2	
			17.2	51.8	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			14.4		15.0		20.0		22.9		24.1		23.3	
15			53.9		51.0		49.2		49.0		50.7		54.2	
16	01	64.1	2.5	2.2	2.9	2.4	1.8	1.6	0.1	0.3	2.8	2.4	2.5	2.2
16	05	64.2	-0.7	-0.4	0.7	0.7	1.2	1.1	-0.3	-0.1	2.2	1.9	1.2	1.1
16	09	64.2	-0.7	-0.4	0.7	0.7	1.2	1.1	-0.3	-0.1	2.2	1.9	1.2	1.1
16	13	64.3	0.3	0.4	1.6	1.4	1.4	1.3	-0.2	0.0	2.4	2.0	3.1	2.5
16	17	64.3	0.4	0.5	1.6	1.4	1.5	1.3	-0.2	0.0	2.5	2.1	3.6	2.8
17			14.2		14.9		19.9		24.1		23.3			
18			53.9		50.9		49.4		50.5		54.3			
19			E		H		K		H		H			
20			0		0		0		0		0			
21	01	87.0	-0.6		0.1		-0.7		-2.1		-0.9			
21	05	87.0	-1.0		-0.3		-1.0		-2.4		-1.2			
21	09	87.0	-1.0		-0.3		-1.0		-2.4		-1.2			
21	13	87.0	-1.0		-0.3		-1.0		-2.4		-1.2			
21	17	87.0	-1.0		-0.3		-1.0		-2.4		-1.2			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 34

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ROU13600	ROU	-1.0	25.0	45.7	1.38	0.66	155	A883	A884	1	
			25.0	45.7	1.38	0.66	155	A887	A882	2	

			1		2		3		4		5		6	
13														
14			20.2		22.8		28.5		29.5		27.0		23.5	
15			46.1		43.8		43.7		44.8		48.0		48.0	
16	02	63.8	-1.4	-1.1	-0.2	-0.1	0.3	0.3	0.5	0.4	0.9	0.7	0.8	0.7
16	06	63.9	-1.3	-1.0	-0.1	-0.1	0.2	0.2	0.5	0.4	0.9	0.7	0.7	0.6
16	10	63.9	-1.3	-1.0	-0.1	-0.1	0.2	0.2	0.5	0.4	0.9	0.7	0.7	0.6
16	14	64.0	-1.2	-1.0	-0.1	-0.1	0.3	0.3	0.5	0.4	1.1	0.9	0.8	0.7
16	18	64.0	-1.2	-1.0	-0.1	-0.1	0.3	0.3	0.5	0.4	1.0	0.8	0.8	0.7
17			20.2		22.8		28.5		29.5		27.0		23.5	
18			46.1		43.8		43.7		44.8		48.0		48.0	
19			K		K		K		K		K			
20			0		0		0		0		0			
21	02	86.0	-2.5		-2.9		-1.5		-1.9		-3.0		-0.7	
21	06	86.0	-2.5		-2.9		-1.5		-1.9		-3.0		-0.7	
21	10	86.0	-2.5		-2.9		-1.5		-1.9		-3.0		-0.7	
21	14	86.0	-2.5		-2.9		-1.5		-1.9		-3.0		-0.7	
21	18	86.0	-2.5		-2.9		-1.5		-1.9		-3.0		-0.7	

1	2	3	4	5	6	7	8	9	10	11	12
SHZ31300	SHZ	-1.0	31.5	-26.5	0.62	0.60	66	A883	A884	1	
			31.5	-26.5	0.62	0.60	66	A887	A882	2	

			1		2		3		4		5	
13												
14			31.9		31.1		31.3		30.8		31.9	
15			-26.7		-25.9		-26.5		-26.6		-26.5	
16	01	62.9	8.1	6.6	6.8	5.8	7.8	6.4	6.8	5.8	8.0	6.5
16	05	62.9	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4
16	09	62.9	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4
16	13	63.0	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4
16	17	63.0	4.8	4.4	3.6	3.5	4.6	4.3	3.7	3.6	4.7	4.4
17			31.9		31.1		31.3		30.8		31.9	
18			-26.7		-25.9		-26.5		-26.6		-26.5	
19			K		E		E		K		K	
20			0		0		0		0		0	
21	01	82.0	0.9		0.6		0.9		0.1		0.9	
21	05	82.0	0.9		0.6		0.9		0.1		0.9	
21	09	82.0	0.9		0.6		0.9		0.1		0.9	
21	13	82.0	0.9		0.6		0.9		0.1		0.9	
21	17	82.0	0.9		0.6		0.9		0.1		0.9	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 47

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TZA22500	TZA	11.0	34.6 34.6	-6.2 -6.2	2.41 2.41	1.72 1.72	129 129	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			30.5		34.0		40.0		40.0		35.0		30.0	
15			-1.0		-1.0		-5.0		-10.5		-11.5		-6.0	
16	23	63.7	2.9	2.8	4.8	4.2	8.1	6.2	9.2	6.8	5.7	4.8	4.2	3.8
16	27	63.8	2.8	2.5	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	31	63.8	2.8	2.5	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	35	63.9	2.8	2.5	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	39	63.9	2.7	2.2	4.6	3.5	8.0	5.3	9.0	5.7	5.6	4.1	4.1	3.2

17			30.5		34.0		40.0	40.0		35.0		30.0		
18			-1.0		-1.0		-5.0	-10.5		-11.5		-6.0		
19			K		K		J	J		J		K		
20			0		0		0	0		0		0		
21	01	84.0	0.1		0.2		-0.6	0.2		0.0		0.8		
21	05	84.0	-1.6		-1.5		-2.3	-1.4		-1.7		-0.8		
21	09	84.0	-1.6		-1.5		-2.3	-1.4		-1.7		-0.8		
21	13	84.0	-1.6		-1.5		-2.3	-1.4		-1.7		-0.8		
21	17	84.0	-1.6		-1.5		-2.3	-1.4		-1.7		-0.8		

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PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 48

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS00300	ARS	17.0	41.1 44.6	23.8 23.4	3.52 4.21	1.68 2.48	134 145	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			35.5		38.0		39.0		38.0		42.5		47.5	
15			30.0		24.0		21.0		32.0		17.0		17.0	
16	04	62.6	-0.2	0.5	3.0	3.4	4.4	4.6	-0.2	0.5	4.2	4.5	2.7	3.2
16	08	62.7	-0.2	0.5	3.0	3.4	4.3	4.5	-0.1	0.6	4.2	4.5	2.7	3.2
16	12	62.7	-0.2	0.5	3.0	3.4	4.4	4.6	-0.1	0.6	4.2	4.5	2.7	3.2
16	16	62.8	-0.2	0.5	3.0	3.4	4.4	4.6	-0.1	0.6	4.2	4.5	2.7	3.2
16	20	62.8	-0.2	0.5	3.0	3.4	4.6	4.8	-0.3	0.4	8.0	7.4	8.5	7.8

17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8		
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3		
19			A	C	C	E	C	C	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	04	84.0	4.0	2.6	3.0	2.6	3.4	3.7	2.5	2.8	3.1	2.6		
21	08	84.0	4.0	2.6	3.0	2.6	3.4	3.7	2.5	2.8	3.1	2.6		
21	12	84.0	3.9	2.6	3.0	2.6	3.3	3.6	2.5	2.8	3.0	2.6		
21	16	84.0	4.0	2.6	3.0	2.6	3.3	3.7	2.5	2.8	3.1	2.6		
21	20	84.0	4.1	2.7	3.1	2.7	3.4	3.8	2.6	2.9	3.1	2.7		

1	2	3	4	5	6	7	8	9	10	11	12
ARS27500	ARS	17.0	48.3 44.6	24.6 23.4	3.84 4.21	1.20 2.48	138 145	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			40.0		40.0		55.5		50.0		56.0		50.0	
15			32.0		30.0		24.0		18.5		21.0		26.5	
16	02	62.8	8.8	6.7	11.0	7.6	2.7	2.7	1.7	1.9	3.6	3.4	6.7	5.5
16	06	62.9	8.8	6.7	11.0	7.6	2.6	2.6	1.6	1.8	3.6	3.4	6.6	5.5
16	10	62.9	8.9	6.7	11.1	7.7	2.7	2.7	1.6	1.8	3.6	3.4	6.6	5.5
16	14	63.0	9.0	6.8	11.3	7.7	7.3	5.9	1.8	2.0	6.7	5.5	7.5	6.0
16	18	63.0	8.9	6.7	11.1	7.7	3.9	3.6	1.8	2.0	4.9	4.4	7.3	5.9

17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8		
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3		
19			A	C	C	E	C	C	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	02	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3		
21	06	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3		
21	10	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3		
21	14	84.0	1.1	-0.3	0.1	-0.3	0.4	0.8	-0.4	-0.1	0.1	-0.3		
21	18	84.0	1.0	-0.3	0.1	-0.3	0.4	0.7	-0.4	-0.1	0.1	-0.3		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 49

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS34000	ARS	17.0	52.3 44.6	24.8 23.4	2.68 4.21	0.70 2.48	143 145	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			48.0		53.0		56.0		59.0		52.5		48.7	
15			30.0		27.5		25.0		21.0		22.0		24.0	
16	23	63.2	1.2	1.2	7.5	5.2	4.7	3.7	5.1	3.9	4.9	3.8	4.8	3.8

17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8		
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3		
19			A	C	C	E	C	C	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	23	84.0	-0.5	-1.9	-1.5	-1.9	-1.1	-0.8	-2.0	-1.7	-1.4	-1.9		

1	2	3	4	5	6	7	8	9	10	11	12
BHR25500	BHR	17.0	50.5 50.5	26.1 26.1	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	1 2	

			1	
13				
14			52.3	
15			24.4	
16	27	60.8	4.6	5.1
16	31	60.9	4.6	5.1
16	35	61.0	4.6	5.1
16	39	61.0	4.6	5.1

17			50.5	
18			26.1	
19			C	
20			0	
21	27	84.0	4.9	
21	31	84.0	4.9	
21	35	84.0	4.9	
21	39	84.0	4.9	

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PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 50

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
KHT11300	KHT	17.0	47.6 47.6	29.2 29.2	0.68 0.68	0.60 0.60	145 145	A883 A887	A884 A882	2 1	

			1		2		3		4		5	
14			46.3		47.1		48.3		48.5		47.4	
15			28.3		30.0		29.8		28.5		29.0	
16	22	63.1	0.3	0.8	2.7	2.9	3.4	3.5	1.6	2.0	3.2	3.4
16	26	63.1	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6
16	30	63.2	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6
16	34	63.2	1.0	1.7	3.5	4.0	4.2	4.6	2.4	3.0	4.1	4.6
16	38	63.3	0.8	1.5	3.2	3.7	3.9	4.4	2.2	2.8	3.9	4.4

17			46.3	47.1	48.3	48.5	47.4			
18			28.3	30.0	29.8	28.5	29.0			
19			C	E	E	C	C			
20			0	0	0	0	0			
21	22	84.0	0.9	2.1	2.7	1.6	3.6			
21	26	84.0	3.8	5.0	5.6	4.5	6.5			
21	30	84.0	3.8	5.0	5.6	4.5	6.5			
21	34	84.0	3.8	5.0	5.6	4.5	6.5			
21	38	84.0	3.8	5.0	5.6	4.5	6.5			

1	2	3	4	5	6	7	8	9	10	11	12
OMA12300	OMA	17.0	55.6 55.6	21.0 21.0	1.88 1.88	1.02 1.02	100 100	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
14			52.0		53.0		58.0		60.0		56.0		55.1	
15			19.0		17.0		19.0		22.5		26.5		22.5	
16	24	63.3	3.6	3.4	5.8	4.9	5.1	4.5	2.6	2.6	0.0	0.4	3.3	3.2
16	28	63.3	4.5	4.4	6.7	6.0	7.7	6.7	4.6	4.5	0.0	0.6	4.8	4.7
16	32	63.4	4.5	4.4	6.7	6.0	7.7	6.7	4.6	4.5	0.8	1.3	4.6	4.5
16	36	63.4	4.5	4.4	6.7	6.0	7.7	6.7	4.6	4.5	0.0	0.6	4.8	4.7
16	40	63.5	5.4	6.0	7.4	7.7	8.7	8.8	5.9	6.4	2.3	3.1	7.1	7.5

17			52.7	52.0	52.0	57.9	55.0	59.8	55.7	55.5	56.5	58.9		
18			17.0	18.7	19.0	19.0	20.0	22.3	22.5	25.0	26.4	20.3		
19			C	C	C	E	C	E	C	C	C	C		
20			75	600	150	0	100	0	100	300	0	0		
21	24	85.0	0.3	-0.1	-0.1	1.0	3.4	-0.5	3.2	1.3	0.3	0.2		
21	28	85.0	1.8	1.5	1.5	2.6	4.9	1.0	4.8	2.9	1.8	1.8		
21	32	85.0	1.8	1.5	1.5	2.6	4.9	1.0	4.8	2.9	1.8	1.8		
21	36	85.0	1.8	1.5	1.5	2.6	4.9	1.0	4.8	2.9	1.8	1.8		
21	40	85.0	7.0	6.7	6.7	7.8	10.2	6.3	10.0	8.1	7.1	7.0		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 51

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
QAT24700	QAT	17.0	51.1 51.1	25.3 25.3	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	1 2	

			1		2		3		4	
14			51.1		52.3		50.8		50.7	
15			26.2		24.8		24.7		25.3	
16	01	61.8	3.6	3.7	1.8	2.2	3.1	3.3	4.0	4.1
16	05	61.8	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6
16	09	61.9	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6
16	13	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6
16	17	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6

17			51.1	52.3	50.8	50.7	52.3	51.5	52.4
18			26.2	24.8	24.7	25.3	26.2	24.5	25.7
19			C	C	C	C	C	C	C
20			0	0	0	0	0	0	0
21	01	84.0	2.5	1.2	3.6	4.7	2.0	2.1	2.2
21	05	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8
21	09	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8
21	13	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8
21	17	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8

1	2	3	4	5	6	7	8	9	10	11	12
UAE27400	UAE	17.0	53.6 53.6	24.2 24.4	0.98 0.98	0.80 0.80	162 162	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
14			50.8		51.9		54.9		55.8		56.3		56.0	
15			24.6		23.0		22.4		24.0		25.4		26.0	
16	21	63.2	6.7	5.9	7.9	6.7	8.2	6.9	10.0	7.8	9.3	7.5	8.3	6.9
16	25	63.2	6.0	4.9	6.3	5.1	4.5	3.9	6.2	5.0	5.5	4.6	4.8	4.1
16	29	63.3	5.9	4.9	6.2	5.0	4.5	3.9	6.1	5.0	5.4	4.5	4.8	4.1
16	33	63.3	5.9	4.9	6.2	5.0	4.5	3.9	6.1	5.0	5.4	4.5	4.8	4.1
16	37	63.4	5.9	4.9	6.2	5.0	4.5	3.9	6.1	5.0	5.4	4.5	4.8	4.1

17			52.3	50.8	51.9	55.1	56.1	56.4	56.6	56.2	55.0	54.4		
18			25.5	24.5	23.0	22.5	24.1	25.0	25.6	26.1	25.9	25.5		
19			C	C	C	C	C	C	C	C	C	C		
20			0	120	100	150	450	0	0	900	0	0		
21	21	84.0	2.8	2.0	2.2	0.7	2.5	2.2	1.4	1.0	2.3	3.3		
21	25	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7		
21	29	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7		
21	33	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7		
21	37	84.0	1.2	0.5	0.6	-0.9	0.9	0.6	-0.2	-0.5	0.7	1.7		

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PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 91

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07600	URS	74.0	98.0 92.8	63.2 56.1	1.84 2.00	0.69 2.00	170 0	A883 A886	A884 A882	2 2	2.

			1	2	3	4	5	6
13								
14			104.4	108.3	99.4	106.5	88.8	91.2
15			58.7	64.1	60.2	69.5	65.4	60.7
16	28	68.1	3.2 3.6	4.6 4.8	6.0 5.9	3.1 3.5	5.5 5.5	5.4 5.4
17			104.4	108.3	99.4	106.5	88.8	91.2
18			58.7	64.1	60.2	69.5	65.4	60.7
19			C	C	C	A	C	C
20			0	0	0	0	0	0
21	28	89.0	3.4	3.6	5.2	3.7	2.4	4.9

1	2	3	4	5	6	7	8	9	10	11	12
CHH15800	CHH	79.8	111.8 106.0	38.0 32.5	2.60 5.00	1.74 3.70	124 150	A883 A887	A884 A882	1 2	

			1	2	3	4	5	6
13								
14			105.8	105.2	111.8	119.8	115.3	119.8
15			32.9	41.6	45.0	46.8	31.5	40.0
16	15	64.9	5.5 5.1	11.1 8.4	12.1 8.8	7.9 6.7	3.2 3.3	5.0 4.8
16	19	64.9	-0.9 -1.2	-0.3 -0.8	0.3 -0.3	-0.6 -1.0	-1.0 -1.3	1.3 0.3
16	23	65.0	-0.8 -1.1	-0.6 -0.9	-0.5 -0.9	-1.6 -1.7	-0.5 -0.9	1.0 0.2
17			116.4	102.0	104.0	121.3		
18			40.0	36.4	30.8	31.3		
19			K	C	K	M		
20			0	0	0	0		
21	15	84.0	1.4	2.6	3.0	0.8		
21	19	84.0	-4.7	-3.6	-3.1	-5.3		
21	23	84.0	-4.7	-3.5	-3.1	-5.2		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 92

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHH15900	CHH	79.8	109.4 106.0	27.3 32.5	2.14 5.00	1.72 3.70	107 150	A883 A887	A884 A882	2 1	

			1	2	3	4	5	6
13								
14			105.6	103.6	109.5	113.8	115.3	109.8
15			23.2	27.1	33.1	25.4	31.5	21.6
16	18	64.5	1.4 0.4	-0.4 -0.8	-1.0 -1.2	1.5 0.5	0.5 -0.2	-0.3 -0.7
16	20	64.6	1.5 0.5	-0.3 -0.8	-1.9 -2.0	1.0 0.1	-1.1 -1.3	-0.3 -0.8
16	22	64.6	1.6 0.5	0.2 -0.4	-0.8 -1.1	1.7 0.5	-0.1 -0.6	0.0 -0.6
17			116.4	102.0	104.0	121.3		
18			40.0	36.4	30.8	31.3		
19			K	C	K	M		
20			0	0	0	0		
21	18	84.0	-4.6	-3.5	-3.0	-5.2		
21	20	84.0	-4.7	-3.5	-3.1	-5.3		
21	22	84.0	-4.8	-3.6	-3.2	-5.4		

1	2	3	4	5	6	7	8	9	10	11	12
CHH16300	CHH	79.8	116.0 116.0	39.2 39.2	1.20 1.20	0.80 0.80	132 132	A883 A887	A884 A882	1 2	

			1	2	3	4	5
13							
14			115.4	114.6	117.7	119.5	116.0
15			36.1	42.1	42.6	38.8	39.2
16	01	64.4	2.8 3.6	7.1 7.6	6.3 6.9	3.1 3.9	6.0 6.6
17			115.4	114.6	117.7	119.5	116.0
18			36.1	42.1	42.6	38.8	39.2
19			K	K	K	K	K
20			0	0	0	0	0
21	01	84.0	8.2	7.7	7.8	7.7	11.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 93

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16400	CHN	79.8	112.2	37.4	1.06	0.76	111	A883	A884	1	
			112.2	37.4	1.06	0.76	111	A887	A882	2	

			1		2		3		4		5		6	
13			111.5		114.1		113.6		110.3		110.3		114.1	
14			39.6		40.7		35.6		34.5		37.0		37.6	
15														
16	05	64.2	5.8	6.5	5.0	5.7	2.1	3.0	2.3	3.2	5.2	5.9	4.2	5.0
17			111.5	114.1	113.6	110.3	110.3	114.1						
18			39.6	40.7	35.6	34.5	37.0	37.6						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	05	84.0	8.7	8.1	8.3	8.2	9.2	9.2						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16500	CHN	79.8	111.4	41.8	1.58	1.20	15	A883	A884	1	
			111.4	41.8	1.58	1.20	15	A887	A882	2	

			1		2		3		4		5		6	
13			120.0		112.0		105.3		107.6		111.1		116.8	
14			45.5		45.1		41.6		37.8		39.5		41.9	
15														
16	09	63.6	5.7	6.2	9.3	9.2	7.3	7.5	4.8	5.4	6.8	7.1	5.7	6.2
17			120.0	112.0	105.3	107.6	111.1	116.8						
18			45.5	45.1	41.6	37.8	39.5	41.9						
19			F	F	C	K	K	K						
20			0	0	0	0	0	0						
21	09	84.0	5.5	6.2	5.6	5.9	7.2	6.3						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17600	CHN	79.8	113.7	33.9	1.20	0.80	141	A883	A884	1	
			113.7	33.9	1.20	0.80	141	A887	A882	2	

			1		2		3		4		5		6	
13			116.1		116.6		115.2		111.9		110.2		114.0	
14			36.1		34.0		31.3		32.5		34.5		36.3	
15														
16	21	64.3	-0.1	0.6	0.3	0.9	-1.2	-0.5	-0.2	0.5	-1.3	-0.6	0.4	1.0
17			116.1	116.6	115.2	111.9	110.2	114.0						
18			36.1	34.0	31.3	32.5	34.5	36.3						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	21	84.0	1.9	3.1	2.2	3.2	2.0	3.0						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 94

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17700	CHN	79.8	111.8	30.8	1.42	0.82	160	A883	A884	2	
			111.8	30.8	1.42	0.82	160	A887	A882	1	

			1		2		3		4		5		6	
13			109.2		109.5		116.0		116.0		113.6		113.6	
14			29.1		33.2		31.0		29.6		29.1		32.4	
15														
16	24	64.7	-0.6	0.2	-0.2	0.6	1.2	1.9	0.9	1.7	1.4	2.1	1.3	2.0
17			109.2	109.5	116.0	116.0	113.6	113.6						
18			29.1	33.2	31.0	29.6	29.1	32.4						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	24	84.0	4.3	4.4	5.0	4.7	5.8	5.0						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17800	CHN	79.8	111.5	27.4	1.22	0.86	130	A883	A884	2	
			111.5	27.4	1.22	0.86	130	A887	A882	1	

			1		2		3		4		5		6	
13			109.2		113.6		113.7		111.5		108.9		114.3	
14			29.1		29.8		25.2		24.7		27.0		28.4	
15														
16	12	64.4	4.9	5.8	2.8	3.7	8.7	9.4	7.9	8.7	6.0	6.8	5.5	6.4
17			109.2	113.6	113.7	111.5	108.9	114.3						
18			29.1	29.8	25.2	24.7	27.0	28.4						
19			K	K	H	H	K	K						
20			0	0	0	0	0	0						
21	12	84.0	12.3	11.4	11.8	12.3	12.3	11.8						

1	2	3	4	5	6	7	8	9	10	11	12
CHN18100	CHN	79.8	108.5	23.8	1.41	1.08	153	A883	A884	2	
			108.5	23.8	1.41	1.08	153	A887	A882	1	

			1		2		3		4		5		6	
13			105.6		108.0		104.5		109.7		111.3		112.1	
14			23.1		21.5		24.5		21.3		26.3		24.3	
15														
16	14	64.1	4.2	4.9	4.7	5.3	2.7	3.5	5.2	5.8	5.2	5.8	6.4	6.9
17			105.6	108.0	104.5	109.7	111.3	112.1						
18			23.1	21.5	24.5	21.3	26.3	24.3						
19			H	H	H	H	H	H						
20			0	0	0	0	0	0						
21	14	84.0	7.8	7.6	6.6	7.2	6.2	7.3						

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PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 95

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18700	CHN	79.8	106.6 106.6	26.7 26.7	1.14 1.14	0.94 0.94	179 179	A883 A887	A884 A882	2 1	

			1	2	3	4	5	6
13								
14			104.7	103.6	107.5	109.0	106.0	109.5
15			24.6	27.0	29.2	25.5	28.6	27.0
16	10	64.0	0.6 1.3	1.0 1.7	5.0 5.2	5.6 5.7	4.2 4.5	6.9 6.7
17			104.7	103.6	107.5	109.0	106.0	109.5
18			24.6	27.0	29.2	25.5	28.6	27.0
19			N	K	K	K	K	K
20			0	0	0	0	0	0
21	10	84.0	3.4	3.6	2.9	3.4	3.8	4.2

1	2	3	4	5	6	7	8	9	10	11	12
CHN18200	CHN	79.8	108.7 108.7	35.1 35.1	1.42 1.42	0.88 0.88	109 109	A883 A887	A884 A882	1 2	

			1	2	3	4	5	6
13								
14			111.5	111.0	109.6	105.7	107.3	106.4
15			39.5	33.3	31.8	32.9	37.5	35.0
16	17	64.2	-0.1 0.7	-0.3 0.5	-0.3 0.5	-1.4 -0.6	0.7 1.4	0.3 1.0
17			111.5	111.0	109.6	105.7	107.3	106.4
18			39.5	33.3	31.8	32.9	37.5	35.0
19			K	K	K	K	K	K
20			0	0	0	0	0	0
21	17	84.0	3.4	3.7	4.2	3.4	4.6	4.5

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 96

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS02800	INS	80.2	101.5 113.6	0.0 -1.4	3.00 6.73	1.20 3.33	133 160	A883 A887	A884 A882	2 1	

			1	2	3	4	5	6
13								
14			95.3	104.4	106.7	106.7	100.0	101.5
15			5.5	0.9	-3.8	-5.9	-4.0	0.0
16	02	63.3	7.5 5.6	0.2 0.5	2.6 2.5	4.6 3.9	7.4 5.6	6.5 5.1
16	04	63.4	7.6 5.7	0.2 0.5	2.5 2.4	4.6 3.9	7.4 5.6	6.5 5.1
16	06	63.3	7.5 5.7	0.2 0.5	2.5 2.4	4.6 3.9	7.3 5.6	6.5 5.1
16	08	63.4	7.6 5.7	0.2 0.5	2.5 2.4	4.6 3.9	7.5 5.7	6.5 5.1
17			91.2	104.0	118.0	140.8	120.0	95.5
18			3.8	1.4	4.4	-1.0	-10.0	7.8
19			P	P	P	P	P	P
20			0	0	0	0	0	0
21	02	84.0	0.4	3.6	2.2	0.5	1.9	1.0
21	04	84.0	0.5	3.6	2.3	0.5	1.9	1.0
21	06	84.0	0.5	3.6	2.3	0.5	1.9	1.0
21	08	84.0	0.5	3.7	2.3	0.6	1.9	1.0

			1	2	3	4	5	6
13								
14			106.0	106.0	106.0	106.0	106.0	106.0
15			-7.4	6.6	-9.1	-4.0	-7.4	6.6
16	02	63.3	7.4 5.6	6.5 5.1	7.4 5.6	6.5 5.1	7.4 5.6	6.5 5.1
16	04	63.4	7.4 5.6	6.5 5.1	7.4 5.6	6.5 5.1	7.4 5.6	6.5 5.1
16	06	63.3	7.3 5.6	6.5 5.1	7.3 5.6	6.5 5.1	7.3 5.6	6.5 5.1
16	08	63.4	7.5 5.7	6.5 5.1	7.5 5.7	6.5 5.1	7.5 5.7	6.5 5.1
17			106.0	130.0	141.0	100.0		
18			-7.4	6.6	-9.1	-4.0		
19			P	P	P	P		
20			0	0	0	0		
21	02	84.0	1.5	-1.2	1.1	1.7		
21	04	84.0	1.6	-1.1	1.1	1.7		
21	06	84.0	1.6	-1.1	1.1	1.7		
21	08	84.0	1.6	-1.1	1.2	1.8		

1	2	3	4	5	6	7	8	9	10	11	12
INS03000	INS	80.2	112.3 113.6	-8.1 -1.4	3.14 6.73	1.46 3.33	169 160	A883 A887	A884 A882	1 2	

			1	2	3	4	5
13							
14			105.3	114.0	120.0	120.0	113.1
15			-6.5	-5.8	-8.0	-10.5	-10.0
16	18	64.2	1.9 0.5	0.6 -0.3	1.2 0.1	1.9 0.5	2.6 0.9
16	20	64.2	1.9 0.5	0.6 -0.3	1.2 0.1	1.9 0.5	2.6 0.9
16	22	64.2	1.9 0.5	0.6 -0.3	1.2 0.1	1.9 0.5	2.6 0.9
16	24	64.3	5.3 3.0	3.9 2.3	4.4 2.5	5.4 3.0	6.3 3.4
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0
19			P	P	P	P	P	P	P	P	P	P
20			0	0	0	0	0	0	0	0	0	0
21	18	84.0	-4.2	-1.0	-2.4	-4.1	-2.7	-3.7	-3.1	-5.8	-3.5	-2.9
21	20	84.0	-4.2	-1.0	-2.4	-4.1	-2.8	-3.7	-3.1	-5.8	-3.5	-2.9
21	22	84.0	-4.2	-1.0	-2.4	-4.1	-2.8	-3.7	-3.1	-5.8	-3.5	-2.9
21	24	84.0	-2.7	0.5	-0.9	-2.6	-1.3	-2.2	-1.6	-4.3	-2.0	-1.5

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PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 97

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03200	INS	80.2	112.3	-0.3	2.66	2.32	109	A883	A884	2	
			113.6	-1.4	6.73	3.33	160	A887	A882	1	

			1		2		3		4		5		6	
13														
14			117.5		112.7		109.1		110.2		114.7		118.7	
15			3.7		1.3		1.8		-2.4		-4.2		0.7	
16	17	64.0	5.0	3.3	6.8	4.2	3.8	2.6	4.8	3.2	4.6	3.1	5.4	3.5
16	19	64.1	0.4	-0.2	2.7	1.2	1.1	0.3	1.3	0.4	0.5	-0.1	0.7	0.0
16	21	64.1	4.8	2.5	6.5	3.2	3.6	1.9	3.8	2.0	3.1	1.6	5.0	2.6
16	23	64.1	0.7	0.0	3.0	1.4	1.3	0.4	1.5	0.5	0.8	0.1	1.1	0.3
17			91.2	104.0	118.0		140.8	120.0	95.5		106.0	130.0	141.0	100.0
18			3.8	1.4	4.4		-1.0	-10.0	7.8		-7.4	6.6	-9.1	-4.0
19			P	P	P		P	P	P		P	P	P	P
20			0	0	0		0	0	0		0	0	0	0
21	17	84.0	-1.7	1.5	0.1		-1.6	-0.3	-1.2		-0.6	-3.3	-1.0	-0.5
21	19	84.0	-3.5	-0.4	-1.8		-3.5	-2.1	-3.0		-2.5	-5.1	-2.9	-2.3
21	21	84.0	-3.2	0.0	-1.4		-3.1	-1.8	-2.7		-2.1	-4.8	-2.5	-1.9
21	23	84.0	-3.5	-0.4	-1.7		-3.5	-2.1	-3.0		-2.4	-5.1	-2.9	-2.3

1	2	3	4	5	6	7	8	9	10	11	12
BTN03100	BTN	86.0	90.5	27.2	1.13	0.82	0	A883	A884	1	6.
			90.5	27.3	1.13	0.82	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			88.7		90.0		92.1		91.3		92.2		90.1	
15			27.1		26.8		26.9		28.1		27.3		28.7	
16	05	63.6	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	09	63.7	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	13	63.8	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
16	17	63.8	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
17			88.7	90.0	92.1		91.3	92.2	90.1					
18			27.1	26.8	26.9		28.1	27.3	28.3					
19			K	K	K		K	K	K					
20			0	0	0		0	0	0					
21	05	84.0	7.6	8.7	7.8		8.0	7.8	7.8					
21	09	84.0	9.4	10.5	9.5		9.8	9.6	9.5					
21	13	84.0	17.0	18.1	17.1		17.4	17.2	17.1					
21	17	84.0	6.3	7.4	6.4		6.6	6.4	6.4					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 98

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLA22700	MLA	86.0	102.1	4.1	1.62	0.82	135	A883	A884	1	
			102.1	4.1	1.62	0.82	135	A887	A882	2	

			1		2		3		4		5		6	
13														
14			102.6		105.4		103.8		101.3		98.8		99.8	
15			6.2		2.2		1.2		2.6		6.2		6.8	
16	16	63.2	7.9	6.9	7.0	6.3	7.7	6.8	9.4	7.8	9.7	8.0	9.9	8.1
16	18	63.3	6.5	5.3	0.7	1.0	-1.1	-0.6	3.0	2.9	8.4	6.4	8.0	6.2
16	20	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.3	7.4	7.9	7.1
16	22	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.4	7.4	7.9	7.1
16	24	63.4	7.6	6.9	1.0	1.6	-1.0	-0.3	3.3	3.6	9.8	8.3	9.2	7.9
17			102.6	105.4	103.8		101.3	98.8	99.8					
18			6.2	2.2	1.2		2.6	6.2	6.8					
19			P	P	P		P	P	P					
20			0	0	0		0	0	0					
21	16	84.0	1.3	1.9	2.3		1.9	1.8	2.7					
21	18	84.0	-0.6	0.0	0.4		0.0	-0.1	0.7					
21	20	84.0	1.8	2.4	2.8		2.4	2.3	3.1					
21	22	84.0	1.8	2.4	2.8		2.4	2.3	3.1					
21	24	84.0	1.8	2.5	2.8		2.5	2.4	3.2					

1	2	3	4	5	6	7	8	9	10	11	12
MLA22800	MLA	86.0	114.1	3.9	2.34	1.12	45	A883	A884	1	
			114.1	3.9	2.34	1.12	45	A887	A882	2	

			1		2		3		4		5	
13												
14			109.0		117.0		119.5		113.6		110.2	
15			2.4		7.0		5.2		1.0		0.6	
16	02	63.6	3.4	3.4	9.6	7.5	9.5	7.5	9.0	7.2	4.5	4.3
16	04	63.7	3.4	3.3	9.7	7.3	9.6	7.3	9.1	7.0	4.5	4.2
16	06	63.6	3.4	3.3	9.6	7.3	9.5	7.2	9.0	7.0	4.5	4.2
16	08	63.7	3.5	3.4	9.8	7.4	9.8	7.4	9.4	7.2	4.6	4.3
17			109.0	117.0	119.5		113.6	110.2				
18			2.4	7.0	5.2		1.0	0.6				
19			P	P	P		P	P				
20			0	0	0		0	0				
21	02	84.0	0.7	2.6	0.5		1.9	2.3				
21	04	84.0	0.2	2.1	0.0		1.4	1.7				
21	06	84.0	0.2	2.1	0.0		1.4	1.7				
21	08	84.0	0.2	2.1	0.0		1.4	1.7				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 107

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03500	INS	104.0	124.3 115.2	-3.2 -1.7	3.34 9.14	1.94 3.43	82 170	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			128.1		128.6		123.6		119.4		119.8		125.5	
15			-3.6		0.8		-10.2		-5.1		-0.9		4.0	
16	01	63.3	8.7	7.0	10.0	7.6	7.9	6.5	13.8	9.0	14.0	9.0	6.7	5.8
16	05	63.3	8.5	6.9	9.4	7.3	7.7	6.4	13.3	8.8	13.3	8.8	5.9	5.3
16	09	63.3	8.5	6.9	9.5	7.3	7.7	6.4	13.3	8.8	13.5	8.9	5.8	5.2
16	13	63.4	8.4	6.7	8.7	6.8	7.6	6.2	8.6	6.8	5.5	4.9	4.3	4.0
17			91.2		104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0	
18			3.8		-1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0	
19			P		P	P	P	P	P	P	P	P	P	
20			0		0	0	0	0	0	0	0	0	0	
21	01	84.0	2.2		4.5	3.4	1.8	2.8	1.7	2.8	0.3	1.9	3.2	
21	05	84.0	2.2		4.5	3.4	1.8	2.8	1.7	2.8	0.3	1.9	3.2	
21	09	84.0	2.2		4.5	3.4	1.8	2.8	1.7	2.8	0.3	1.9	3.2	
21	13	84.0	1.9		4.2	3.1	1.5	2.5	1.4	2.6	0.0	1.7	3.0	

1	2	3	4	5	6	7	8	9	10	11	12
INS03600	INS	104.0	135.2 115.2	-3.8 -1.7	2.46 9.14	2.00 3.43	147 170	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			140.6		140.3		128.0		131.8		128.1		135.2	
15			-2.6		-8.5		-7.0		-7.3		-3.6		-3.8	
16	03	63.8	5.0	4.6	3.8	3.7	4.0	3.8	6.2	5.4	9.1	7.1	9.2	7.1
16	07	63.8	5.0	4.6	3.7	3.6	3.9	3.8	6.1	5.3	9.0	7.0	9.1	7.1
16	11	63.9	5.0	4.6	3.7	3.6	3.9	3.8	6.1	5.4	9.0	7.1	9.1	7.1
16	15	63.9	5.2	4.7	3.9	3.8	3.8	3.7	6.1	5.3	8.8	6.9	9.2	7.1
16	19	64.0	12.7	8.7	9.6	7.4	1.5	1.8	5.5	5.0	4.4	4.2	11.3	8.2
17			91.2		104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0	
18			3.8		1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	0.8	
19			P		P	P	P	P	P	P	P	P	P	
20			0		0	0	0	0	0	0	0	0	0	
21	03	84.0	2.1		4.4	3.2	1.6	2.7	1.5	2.7	0.1	1.8	3.9	
21	07	84.0	2.0		4.3	3.2	1.6	2.6	1.5	2.7	0.1	1.8	3.9	
21	11	84.0	2.1		4.4	3.3	1.7	2.7	1.6	2.7	0.2	1.9	4.0	
21	15	84.0	2.1		4.4	3.3	1.6	2.7	1.6	2.7	0.1	1.8	3.9	
21	19	84.0	2.3		4.6	3.4	1.8	2.9	1.7	2.9	0.3	2.0	4.1	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 108

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
J 11100	J	110.0	134.5 134.5	31.5 31.5	3.52 3.52	3.30 3.30	68 68	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			141.9		129.3		123.7		142.3		145.8		145.3	
15			45.5		34.7		24.3		26.4		43.4		44.3	
16	01	63.2	8.1	6.9	3.0	3.2	-1.2	-0.5	7.2	6.3	8.5	7.1	8.4	7.0
16	03	64.2	2.3	2.0	1.3	1.2	4.8	3.7	10.2	6.2	5.1	3.9	4.4	3.5
16	05	64.2	8.1	5.4	2.3	2.0	-0.4	-0.1	8.1	5.4	8.5	5.6	8.4	5.6
16	07	64.2	2.4	2.1	1.4	1.3	5.1	3.9	10.3	6.3	5.1	3.9	4.4	3.5
16	09	64.3	7.7	5.3	2.5	2.2	-0.2	0.0	8.2	5.5	8.5	5.6	8.4	5.6
16	11	64.3	2.4	2.1	1.4	1.3	5.3	4.0	10.3	6.3	5.1	3.9	4.4	3.5
16	13	64.3	7.8	5.9	3.6	3.3	1.8	1.9	9.6	6.7	8.5	6.2	8.4	6.2
16	15	64.4	5.4	5.0	4.3	4.2	4.4	4.2	10.2	7.8	7.4	6.3	7.0	6.1
17			142.0	129.3	123.5	123.8	142.3	139.7	130.4	141.4				
18			45.5	34.7	25.8	24.3	26.4	35.7	33.6	43.1				
19			K	K	N	N	N	K	M	M				
20			5	5	5	5	5	5	5	5				
21	01	87.0	0.8	3.0	1.4	1.2	1.4	3.5	3.5	1.6				
21	03	87.0	-2.1	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	05	87.0	-2.1	0.1	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	07	87.0	-2.1	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	09	87.0	-2.1	0.1	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	11	87.0	-2.1	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2				
21	13	87.0	-1.0	1.3	-0.4	-0.5	-0.3	1.8	1.8	-0.1				
21	15	87.0	0.5	2.8	1.2	1.0	1.2	3.3	3.3	1.4				

1	2	3	4	5	6	7	8	9	10	11	12
KOR11200	KOR	110.0	127.5 127.5	36.0 36.0	1.24 1.24	1.02 1.02	168 168	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			124.6		125.0		126.2		129.0		130.8		128.4	
15			37.9		34.0		33.0		35.1		37.4		38.4	
16	02	63.6	-3.0	-2.2	-2.6	-1.8	-3.0	-2.2	-0.5	0.1	-1.4	-0.7	-1.1	-0.4
16	04	63.6	-2.0	-1.3	-1.5	-0.8	-1.8	-1.1	0.7	1.2	-0.1	0.5	0.0	0.6
16	06	63.6	-3.0	-2.2	-2.6	-1.8	-3.0	-2.2	-0.6	0.0	-1.5	-0.8	-1.2	-0.5
16	08	63.7	1.3	1.8	1.9	2.3	1.2	1.7	2.8	3.1	1.5	1.9	2.3	2.6
16	10	63.7	-0.7	-0.1	-0.4	0.2	-1.0	-0.3	0.7	1.2	-0.4	0.2	0.3	0.9
16	12	63.7	0.6	1.1	-0.6	0.0	-0.9	-0.2	2.3	2.6	1.4	1.8	2.2	2.5
17			126.3	125.1	129.1	126.9	124.7	126.6	127.2	127.9	128.4			
18			33.1	34.1	35.1	37.5	38.0	37.9	38.3	38.3	38.5			
19			M	K	K	K	K	K	K	K	K			
20			0	0	0	0	0	0	0	0	0			
21	02	89.0	1.3	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1			
21	04	89.0	1.3	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1			
21	06	89.0	1.3	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1			
21	08	89.0	1.3	2.0	3.4	3.3	1.1	2.7	2.4	2.5	2.1			
21	10	89.0	1.3	2.0	3.3	3.3	1.0	2.7	2.3	2.4	2.1			
21	12	89.0	1.2	2.0	3.3	3.3	1.0	2.7	2.3	2.4	2.1			

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TEXT FOR SYMBOLS IN REMARKS
COLUMN OF THE PLAN

1. Fast roll-off space station receiving antenna as defined in Annex 3 (Section ...) of this Appendix.

2. For this assignment the diameter of the earth station antenna is 7 m and the system noise temperature is 3000 K.

3. India may also locate feeder-link earth stations near the point 29°N, 77.3°E on the condition of not affecting the EPMs of other administrations.

4. In order to improve the up-link margins for channel 23, the satellite receiving antenna will use a shaped beam.

[5. not used]

6. During the Conference Bhutan became the 165th Member of the Union and the Conference decided to provide four assignments for a feeder-link to a BSS space station which had no assignments yet in Appendix 30.

7. This assignment uses feeder-link frequencies which are not a linear translation of the down-link Plan, resulting in the potential radiation of a coherent unwanted frequency corresponding to the second harmonic of the shift frequency and falling in the frequency band allocated to down-links (11.7 - 12.5 GHz).

Every possible and sufficient technical means shall be adopted, on board of the spacecraft, to eliminate such unwanted frequency radiation.

8. This assignment, is part of a group, the number of which follows the symbol. The group consists of the beams and has the number of channels assigned to it as indicated in Table 1.

a) The overall equivalent protection margin to be used for the application of Article 4 shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

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TABLE 1

Group	Beams in the group	Number of channels assigned to the group
GR1	TKL05800, TKL05801	2
GR2	NIU05400, NIU05401	2
GR3	CKH05200, CKH05201	4
GR4	CKH05300, CKH05301	4
GR5	REU09700, REU09701	5
GR6	NCL10000, NCL10001	4
GR7	MYT09800, MYT09801	5
GR8	WAL10200, WAL10201	4
GR9	PLM33700, PLM33701	5
GR10	CAR33800, CAR33801	5
GR11	WAK33400, WAK33401	5
GR12	MRL33300, MRL33301	5
GR13	SMA33500, SMA33501	5
GR14	MRA33200, MRA33201	5
GR15	GUM33100, GUM33101	5

9. D and SUI have agreed that their feeder-link channels can be interchanged for a limited period of time ending in the year 2001 as follows:

2 with 22, 6 with 26, 10 with 30, 14 with 34, 18 with 38.

UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS

ORB-88 CAMR SUR L'UTILISATION DE L'ORBITE DES SATELLITES GÉOSTATIONNAIRES ET LA PLANIFICATION DES SERVICES SPATIAUX UTILISANT CETTE ORBITE

SECONDE SESSION, GENÈVE, AOÛT/OCTOBRE 1988

Corrigendum 1 au
Document 341-F/E/S
26 septembre 1988
Original: anglais

GROUPE DE TRAVAIL 5-A
WORKING GROUP 5-A
GRUPO DE TRABAJO 5-A

PLANIFICATION DES LIAISONS DE CONNEXION POUR LE SERVICE DE RADIODIFFUSION PAR SATELLITE

ANALYSE DU PROJET DE PLAN

Pages 58 à 61

Remplacer les pages actuelles par les pages corrigées jointes en annexe.

BSS FEEDER-LINK PLANNING

ANALYSIS OF THE DRAFT PLAN

Pages 58-61

Replace existing pages by corrected pages annexed.

PLANIFICATION DE LOS ENLACES DE CONEXION DEL SRS

ANALISIS DEL PROYECTO DE PLAN

Páginas 58-61

Sustitúyanse las páginas actuales par las páginas corregidas que se anexan.

Annexes: 4
Attachments: 4 pages
Anexos: 4

CONF\ORB-2\DOC\341C1F.TXS

Pour des raisons d'économie, ce document n'a été tiré qu'en un nombre restreint d'exemplaires. Les participants sont donc priés de bien vouloir apporter à la réunion leurs documents avec eux, car il n'y aura pas d'exemplaires supplémentaires disponibles.

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 91

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07600	URS	74.0	98.0 92.8	63.2 56.1	1.84 2.00	0.69 2.00	170 0	A883 A886	A884 A882	2 2	2.

13			1		2		3		4		5		6		
14			104.4		108.3		99.4		106.5		88.8		91.2		
15			58.7		64.1		60.2		69.5		65.4		60.7		
16	28	68.1	3.1	3.5	4.5	4.7	6.0	5.9	3.0	3.4	5.5	5.5	5.4	5.4	
17			104.4	108.3	99.4	106.5	88.8	91.2							
18			58.7	64.1	60.2	69.5	65.4	60.7							
19			C	C	C	A	C	C							
20			0	0	0	0	0	0							
21	28	89.0	3.4	3.6	5.2	5.7	2.4	4.9							

1	2	3	4	5	6	7	8	9	10	11	12
CHN15800	CHN	79.8	111.8 106.0	38.0 32.5	2.60 5.00	1.74 3.70	124 150	A883 A887	A884 A882	1 2	

13			1		2		3		4		5		6		
14			105.8		105.2		111.8		119.8		115.3		119.8		
15			32.9		41.6		45.0		46.8		31.5		40.0		
16	15	64.9	5.5	6.1	11.1	10.8	12.1	11.5	7.9	8.2	3.2	4.0	5.0	5.6	
16	19	64.9	-0.9	-1.0	-0.3	-0.6	0.3	-0.1	-0.6	-0.8	-1.0	-1.1	1.3	0.6	
16	23	65.0	-0.8	-0.9	-0.6	-0.7	-0.5	-0.6	-1.6	-1.5	-0.5	-0.6	1.0	0.5	
17			116.4	102.0	104.0	121.3									
18			40.0	36.4	30.8	31.3									
19			K	C	K	M									
20			0	0	0	0									
21	15	84.0	7.1	8.3	8.7	6.6									
21	19	84.0	-4.0	-2.8	-2.4	-4.6									
21	23	84.0	-3.7	-2.5	-2.1	-4.3									

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 92

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15900	CHN	79.8	109.4 106.0	27.3 32.5	2.14 5.00	1.72 3.70	107 150	A883 A887	A884 A882	2 1	

13			1		2		3		4		5		6		
14			105.6		103.6		109.5		113.8		115.3		109.8		
15			23.2		27.1		33.1		25.4		31.5		21.6		
16	18	64.5	1.4	0.7	-0.4	-0.6	-1.0	-1.0	1.5	0.8	0.5	0.1	-0.3	-0.5	
16	20	64.6	1.5	0.8	-0.3	-0.5	-1.9	-1.8	1.0	0.5	-1.1	-1.1	-0.3	-0.5	
16	22	64.6	1.6	0.9	0.2	-0.1	-0.8	-0.9	1.7	0.9	-0.1	-0.3	0.0	-0.3	
17			116.4	102.0	104.0	121.3									
18			40.0	36.4	30.8	31.3									
19			K	C	K	M									
20			0	0	0	0									
21	18	84.0	-3.8	-2.6	-2.2	-4.3									
21	20	84.0	-3.8	-2.6	-2.2	-4.3									
21	22	84.0	-3.8	-2.6	-2.2	-4.3									

1	2	3	4	5	6	7	8	9	10	11	12
CHN16300	CHN	80.0	116.0 116.0	39.2 39.2	1.20 1.20	0.80 0.80	132 132	A883 A887	A884 A882	1 2	

13			1		2		3		4		5				
14			115.4		114.6		117.7		119.5		116.0				
15			36.1		42.1		42.6		38.8		39.2				
16	01	64.4	2.8	3.8	7.1	8.1	6.3	7.3	3.1	4.1	6.0	7.0			
17			115.4	114.6	117.7	119.5	116.0								
18			36.1	42.1	42.6	38.8	39.2								
19			K	K	K	K	K								
20			0	0	0	0	0								
21	01	84.0	27.1	26.7	26.8	26.7	30.2								

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 93

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16400	CHN	80.0	112.2	37.4	1.06	0.76	111	A883	A884	1	
			112.2	37.4	1.06	0.76	111	A887	A882	2	

			1	2	3	4	5	6
13			111.5	114.1	113.6	110.3	110.3	114.1
14			39.6	40.7	35.6	34.5	37.0	37.6
15			5.8 6.8	5.0 6.0	2.1 3.1	2.3 3.3	5.2 6.2	4.2 5.2
16	05	64.2						
17			111.5	114.1	113.6	110.3	110.3	114.1
18			39.6	40.7	35.6	34.5	37.0	37.6
19			K	K	K	K	K	K
20			0	0	0	0	0	0
21	05	84.0	25.0	24.4	24.6	24.5	25.6	25.6

1	2	3	4	5	6	7	8	9	10	11	12
CHN16500	CHN	80.0	111.4	41.8	1.58	1.20	15	A883	A884	1	
			111.4	41.8	1.58	1.20	15	A887	A882	2	

			1	2	3	4	5	6
13			120.0	112.0	105.3	107.6	111.1	116.8
14			45.5	45.1	41.6	37.8	39.5	41.9
15			5.7 6.4	9.3 9.6	7.3 7.8	4.8 5.5	6.8 7.4	5.7 6.4
16	09	63.6						
17			120.0	112.0	105.3	107.6	111.1	116.8
18			45.5	45.1	41.6	37.8	39.5	41.9
19			F	F	C	K	K	K
20			0	0	0	0	0	0
21	09	84.0	7.9	8.6	8.0	8.4	9.6	8.8

1	2	3	4	5	6	7	8	9	10	11	12
CHN17600	CHN	80.0	113.7	33.9	1.20	0.80	141	A883	A884	1	
			113.7	33.9	1.20	0.80	141	A887	A882	2	

			1	2	3	4	5	6
13			116.1	116.6	115.2	111.9	110.2	114.0
14			36.1	34.0	31.3	32.5	34.5	36.3
15			-0.1 0.6	0.3 1.0	-1.2 -0.4	-0.2 0.5	-1.3 -0.5	0.4 1.1
16	21	64.3						
17			116.1	116.6	115.2	111.9	110.2	114.0
18			36.1	34.0	31.3	32.5	34.5	36.3
19			K	K	K	K	K	K
20			0	0	0	0	0	0
21	21	84.0	2.5	3.6	2.7	3.7	2.5	3.6

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 94

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17700	CHN	80.0	111.8	30.8	1.42	0.82	160	A883	A884	2	
			111.8	30.8	1.42	0.82	160	A887	A882	1	

			1	2	3	4	5	6
13			109.2	109.5	116.0	116.0	113.6	113.6
14			29.1	33.2	31.0	29.6	29.1	32.4
15			-0.6 0.2	-0.2 0.6	1.2 1.9	0.9 1.6	1.4 2.1	1.3 2.0
16	24	64.7						
17			109.2	109.5	116.0	116.0	113.6	113.6
18			29.1	33.2	31.0	29.6	29.1	32.4
19			K	K	K	K	K	K
20			0	0	0	0	0	0
21	24	84.0	4.0	4.1	4.7	4.4	5.5	4.7

1	2	3	4	5	6	7	8	9	10	11	12
CHN17800	CHN	80.0	111.5	27.4	1.22	0.86	130	A883	A884	2	
			111.5	27.4	1.22	0.86	130	A887	A882	1	

			1	2	3	4	5	6
13			109.2	113.6	113.7	111.5	108.9	114.3
14			29.1	29.8	25.2	24.7	27.0	28.4
15			4.9 5.9	2.8 3.8	8.7 9.7	7.9 8.9	6.0 7.0	5.5 6.5
16	12	64.4						
17			109.2	113.6	113.7	111.5	108.9	114.3
18			29.1	29.8	25.2	24.7	27.0	28.4
19			K	K	N	N	K	K
20			0	0	0	0	0	0
21	12	84.0	99.0	99.0	99.0	99.0	99.0	99.0

1	2	3	4	5	6	7	8	9	10	11	12
CHN18100	CHN	80.0	108.5	23.8	1.41	1.08	153	A883	A884	2	
			108.5	23.8	1.41	1.08	153	A887	A882	1	

			1	2	3	4	5	6
13			105.6	108.0	104.5	109.7	111.3	112.1
14			23.1	21.5	24.5	21.3	26.3	24.3
15			4.2 5.1	4.7 5.6	2.7 3.6	5.2 6.1	5.2 6.1	6.4 7.2
16	14	64.1						
17			105.6	108.0	104.5	109.7	111.3	112.1
18			23.1	21.5	24.5	21.3	26.3	24.3
19			N	N	N	N	N	N
20			0	0	0	0	0	0
21	14	84.0	13.1	12.9	11.9	12.5	11.5	12.6

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 95

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18700	CHN	80.0	106.6 106.6	26.7 26.7	1.14 1.14	0.94 0.94	179 179	A883 A887	A884 A882	2 1	

13			1		2		3		4		5		6				
14			104.7		103.6		107.5		109.0		106.0		109.5				
15			24.6		27.0		29.2		25.5		28.6		27.0				
16	10	64.0	0.6	1.5	1.0	1.9	5.0	5.7	5.6	6.3	4.2	5.0	6.9	7.5			
17			104.7	103.6	107.5	109.0	106.0	109.5									
18			24.6	27.0	29.2	25.5	28.6	27.0									
19			N	K	K	K	K	K									
20			0	0	0	0	0	0									
21	10	84.0	8.4	8.6	7.9	8.4	8.8	9.2									

1	2	3	4	5	6	7	8	9	10	11	12
CHN18200	CHN	80.0	108.7 108.7	35.1 35.1	1.42 1.42	0.88 0.88	109 109	A883 A887	A884 A882	1 2	

13			1		2		3		4		5		6				
14			111.5		111.0		109.6		105.7		107.3		106.4				
15			39.5		33.3		31.8		32.9		37.5		35.0				
16	17	64.2	-0.1	0.6	-0.3	0.4	-0.3	0.4	-1.4	-0.6	0.7	1.4	0.3	1.0			
17			111.5	111.0	109.6	105.7	107.3	106.4									
18			39.5	33.3	31.8	32.9	37.5	35.0									
19			K	K	K	K	K	K									
20			0	0	0	0	0	0									
21	17	84.0	3.0	3.4	3.9	2.9	4.2	4.2									

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS02800	INS	80.2	101.5 113.6	0.0 -1.4	3.00 6.73	1.20 3.33	133 160	A883 A887	A884 A882	2 1	

13			1		2		3		4		5		6				
14			95.3		104.4		106.7		106.7		100.0		101.5				
15			5.5		0.9		-3.8		-5.9		-4.0		0.0				
16	02	63.3	7.5	8.3	0.2	1.2	2.6	3.5	4.6	5.5	7.4	8.2	6.5	7.4			
16	04	63.4	7.6	8.4	0.2	1.2	2.5	3.4	4.6	5.5	7.4	8.2	6.5	7.4			
16	06	63.3	7.5	8.3	0.2	1.2	2.5	3.4	4.6	5.5	7.3	8.1	6.5	7.4			
16	08	63.4	7.6	8.4	0.2	1.2	2.5	3.4	4.6	5.5	7.5	8.3	6.5	7.4			
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0					
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0					
19			P	P	P	P	P	P	P	P	P	P					
20			0	0	0	0	0	0	0	0	0	0					
21	02	84.0	13.7	16.9	15.5	13.8	15.2	14.3	14.8	12.1	14.4	15.0					
21	04	84.0	13.8	17.0	15.6	13.9	15.2	14.3	14.9	12.2	14.5	15.1					
21	06	84.0	13.8	17.0	15.6	13.9	15.2	14.3	14.9	12.2	14.5	15.1					
21	08	84.0	13.7	16.8	15.5	13.7	15.1	14.2	14.8	12.1	14.3	14.9					

1	2	3	4	5	6	7	8	9	10	11	12
INS03000	INS	80.2	112.3 113.6	-8.1 -1.4	3.14 6.73	1.46 3.33	169 160	A883 A887	A884 A882	1 2	

13			1		2		3		4		5						
14			105.3		114.0		120.0		120.0		113.1						
15			-6.5		-5.8		-8.0		-10.5		-10.0						
16	18	64.2	1.9	0.8	0.6	0.0	1.2	0.4	1.9	0.8	2.6	1.2					
16	20	64.2	1.9	0.8	0.6	0.0	1.2	0.4	1.9	0.8	2.6	1.2					
16	22	64.2	1.9	0.8	0.6	0.0	1.2	0.4	1.9	0.8	2.6	1.2					
16	24	64.3	5.3	1.9	3.9	1.3	4.4	1.5	5.4	1.9	6.3	2.2					
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0					
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0					
19			P	P	P	P	P	P	P	P	P	P					
20			0	0	0	0	0	0	0	0	0	0					
21	18	84.0	-3.4	-0.2	-1.6	-3.3	-2.0	-2.9	-2.3	-5.0	-2.7	-2.1					
21	20	84.0	-3.4	-0.2	-1.6	-3.3	-2.0	-2.9	-2.3	-5.0	-2.7	-2.2					
21	22	84.0	-3.4	-0.2	-1.6	-3.3	-2.0	-2.9	-2.3	-5.0	-2.7	-2.2					
21	24	84.0	-4.6	-1.4	-2.8	-4.5	-3.1	-4.0	-3.5	-6.2	-3.9	-3.3					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 97

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03200	INS	80.2	112.3	-0.3	2.66	2.32	109	A883	A884	2	
			113.6	-1.4	6.73	3.33	160	A887	A882	1	

			1		2		3		4		5		6	
13			117.5		112.7		109.1		110.2		114.7		118.7	
14			3.7		1.3		1.8		-2.4		-4.2		0.7	
15														
16	17	64.0	5.0	1.8	6.8	2.4	3.8	1.3	4.8	1.7	4.6	1.7	5.4	2.0
16	19	64.1	0.4	0.0	2.7	1.6	1.1	0.5	1.3	0.7	0.5	0.1	0.7	0.2
16	21	64.1	4.8	1.1	6.5	1.6	3.6	0.7	3.8	0.7	3.1	0.4	5.0	1.2
16	23	64.1	0.7	-0.1	3.0	1.3	1.3	0.3	1.5	0.5	0.8	0.0	1.1	0.2

17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	17	84.0	-4.5	-1.4	-2.7	-4.5	-3.1	-4.0	-3.4	-6.1	-3.9	-3.3		
21	19	84.0	-2.7	0.5	-0.9	-2.6	-1.3	-2.2	-1.6	-4.3	-2.0	-1.4		
21	21	84.0	-5.5	-2.3	-3.7	-5.4	-4.1	-5.0	-4.4	-7.1	-4.8	-4.3		
21	23	84.0	-3.7	-0.5	-1.9	-3.6	-2.2	-3.1	-2.6	-5.3	-3.0	-2.4		

1	2	3	4	5	6	7	8	9	10	11	12
BTN03100	BTN	86.0	90.5	27.2	1.13	0.82	0	A883	A884	1	6.
			90.5	27.3	1.13	0.82	0	A887	A882	2	

			1		2		3		4		5		6	
13			88.7		90.0		92.1		91.3		92.2		90.1	
14			27.1		26.8		26.9		28.1		27.3		28.7	
15														
16	05	63.6	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	09	63.7	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	13	63.8	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
16	17	63.8	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9

17			88.7	90.0	92.1	91.3	92.2	90.1						
18			27.1	26.8	26.9	28.1	27.3	28.3						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	05	84.0	7.6	8.7	7.8	8.0	7.8	7.8						
21	09	84.0	9.4	10.5	9.5	9.8	9.6	9.5						
21	13	84.0	17.0	18.1	17.1	17.4	17.2	17.1						
21	17	84.0	6.3	7.4	6.4	6.6	6.4	6.4						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 98

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLA22700	MLA	86.0	102.1	4.1	1.62	0.82	135	A883	A884	1	
			102.1	4.1	1.62	0.82	135	A887	A882	2	

			1		2		3		4		5		6	
13			102.6		105.4		103.8		101.3		98.8		99.8	
14			6.2		2.2		1.2		2.6		6.2		6.8	
15														
16	16	63.2	7.8	6.9	6.9	6.3	7.6	6.7	9.3	7.8	9.7	8.0	9.8	8.0
16	18	63.3	6.5	5.3	0.7	1.0	-1.1	-0.6	3.0	2.9	8.4	6.4	8.0	6.2
16	20	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.3	7.4	7.9	7.1
16	22	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.4	7.4	7.9	7.1
16	24	63.4	7.6	6.9	1.0	1.6	-1.0	-0.3	3.3	3.6	9.8	8.3	9.2	7.9

17			102.6	105.4	103.8	101.3	98.8	99.8						
18			6.2	2.2	1.2	2.6	6.2	6.8						
19			P	P	P	P	P	P						
20			0	0	0	0	0	0						
21	16	84.0	1.3	1.9	2.3	1.9	1.8	2.7						
21	18	84.0	-0.6	0.0	0.4	0.0	-0.1	0.7						
21	20	84.0	1.8	2.4	2.8	2.4	2.3	3.1						
21	22	84.0	1.8	2.4	2.8	2.4	2.3	3.1						
21	24	84.0	1.8	2.5	2.8	2.5	2.4	3.2						

1	2	3	4	5	6	7	8	9	10	11	12
MLA22800	MLA	86.0	114.1	3.9	2.34	1.12	45	A883	A884	1	
			114.1	3.9	2.34	1.12	45	A887	A882	2	

			1		2		3		4		5	
13			109.0		117.0		119.5		113.6		110.2	
14			2.4		7.0		5.2		1.0		0.6	
15												
16	02	63.6	3.4	3.5	9.6	7.7	9.5	7.6	9.0	7.4	4.5	4.4
16	04	63.7	3.4	3.4	9.7	7.4	9.6	7.4	9.1	7.1	4.5	4.2
16	06	63.6	3.4	3.4	9.6	7.4	9.5	7.3	9.0	7.1	4.5	4.2
16	08	63.7	3.5	3.5	9.8	7.5	9.8	7.5	9.4	7.3	4.6	4.3

17			109.0	117.0	119.5	113.6	110.2					
18			2.4	7.0	5.2	1.0	0.6					
19			P	P	P	P	P					
20			0	0	0	0	0					
21	02	84.0	1.0	2.9	0.8	2.2	2.5					
21	04	84.0	0.4	2.3	0.2	1.6	1.9					
21	06	84.0	0.4	2.3	0.2	1.6	1.9					
21	08	84.0	0.4	2.3	0.2	1.6	1.9					

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 341-E
24 September 1988
Original: English

WORKING GROUP 5-A

BSS FEEDER-LINK PLANNING

ANALYSIS OF THE DRAFT PLAN

1. The analysis of the draft Plan for BSS feeder links together with the column designation is given in Annex 1. These results include complete information on the modified requirements used and the resultant margins calculated in accordance with the directives given in Document 244.

2. All remarks in the Plan are listed in Annex 2, the number of which can also be found in the respective part of Annex 1 (column 12).

L. TOMATI
Chairman of Sub-Working Group 5-A-1

Annexes: 2

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX 1

LIST OF REQUIREMENTS AND MARGINS IN THE PLAN

The attached list is presented in the alphabetical order of notifying administrations.

The column designation of this list is as follows:

Column	Description
1	Beam identification (3-letter country code + 3-digit identifier + 2-character modifier)
2	Notifying administration (3-letter country code)
3	Longitude at satellite sub-orbital position (decimal degrees)
4	Longitude at beam boresight (decimal degrees) - down-link/feeder link
5	Latitude at beam boresight (decimal degrees) - down-link/feeder link
6	Beam ellipse major axis (decimal degrees) - down-link/feeder link
7	Beam ellipse minor axis (decimal degrees) - down-link/feeder link
8	Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree
9	Transmit antenna code - space/earth station (see Document 189)
10	Receive antenna code - earth/space station (see Document 189)
11	Circular polarization ("1" right, "2" left) - down-link/feeder link
12	Remarks
13	Number for each test point - down-link
14	Test point longitude (decimal degrees) - down-link
15	Test point latitude (decimal degrees) - down-link
16	Channel number, followed by the down-link e.i.r.p. in dBW, followed by the down-link margins (taken from the 1977 Plan), followed by the overall equivalent protection margin, corresponding to each test point

Column	Description
17	Test point longitude (decimal degrees) - feeder link
18	Test point latitude (decimal degrees) - feeder link
19	Test point rain zone (character) - feeder link
20	Test point height above sea-level (metres) - feeder link
21	Channel number, followed by the up-link e.i.r.p. in dBW, followed by the up-link margins for each test point

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 1

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SEN22200	SEN	-37.0	-14.4	13.8	1.46	1.04	139	A883	A884	2	
			-14.4	13.8	1.46	1.04	139	A881	A882	1	

			1		2		3		4		5		6	
			-16.5		-15.0		-12.7		-12.0		-16.3		-17.7	
			16.0		16.3		14.8		12.5		12.7		14.8	
21	63.6	2.7	3.7	2.4	3.4	3.2	4.2	2.8	3.8	5.2	6.2	3.3	4.3	
25	63.7	3.2	4.2	3.0	4.0	5.0	6.0	5.0	6.0	6.6	7.5	4.0	5.0	

	-13.4	-16.1	-16.1	-16.2	-16.2	-16.2	-16.6	-15.1	-13.2	-17.3	
	13.5	15.4	14.1	12.4	14.4	14.2	14.5	15.2	15.4	14.4	
	K	K	K	N	K	K	N	K	K	N	
	0	0	0	0	0	0	0	0	0	0	
07	82.0	19.1	17.9	18.4	16.7	18.3	18.3	17.8	18.5	17.2	16.8
11	82.0	19.2	18.0	18.5	16.9	18.4	18.4	17.9	18.6	17.3	16.9

1	2	3	4	5	6	7	8	9	10	11	12
CPV30100	CPV	-31.0	-24.0	16.0	0.86	0.70	144	A883	A884	2	
			-24.0	16.0	0.86	0.70	144	A881	A882	1	

			1		2		3		4		5		6	
			-22.9		-24.3		-24.9		-25.1		-25.1		-23.2	
			16.8		14.4		16.9		17.2		17.0		15.1	
04	62.2	4.7	5.7	4.3	5.3	5.8	6.8	5.0	6.0	5.3	6.3	5.8	6.8	
08	62.2	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8	
12	62.3	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8	
16	62.4	4.6	5.6	4.3	5.3	5.7	6.7	5.0	6.0	5.3	6.3	5.8	6.8	
20	62.4	3.9	4.9	3.9	4.9	5.3	6.3	4.5	5.5	4.9	5.9	5.1	6.1	

	-22.9	-24.3	-24.9	-25.1	-25.1	-23.2	
	16.8	14.4	16.9	17.2	17.0	15.1	
	E	N	E	E	E	N	
	0	0	0	0	0	0	
04	82.0	34.3	33.4	35.5	34.6	35.1	35.7
08	82.0	34.6	33.8	35.9	35.0	35.4	36.0
12	82.0	35.9	35.0	37.1	36.2	36.7	37.3
02	82.0	34.3	33.4	35.5	34.6	35.1	35.7
06	82.0	32.1	31.2	33.3	32.4	32.8	33.5

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 2

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRC20900	MRC	-25.0	-9.0	29.2	2.72	1.47	43	A883	A884	2	
			-8.9	28.9	3.96	1.55	50	A881	A882	1	

			1		2		3		4		5		6	
			-13.0		-9.0		-1.2		-1.0		-6.0		-15.0	
			23.0		26.0		32.2		35.0		36.0		26.0	
21	63.3	6.7	5.9	7.9	6.7	5.5	5.1	6.4	5.7	6.6	5.9	9.4	7.5	
25	63.3	5.8	5.3	5.8	5.3	3.8	3.8	7.6	6.5	7.5	6.5	8.8	7.2	
29	63.4	5.8	5.3	5.8	5.3	3.8	3.8	7.6	6.6	7.4	6.4	8.8	7.3	
33	63.4	5.8	4.3	5.8	4.3	3.8	3.0	7.6	5.2	7.4	5.1	8.8	5.7	
37	63.5	5.3	5.0	4.9	4.7	2.4	2.7	5.4	5.1	5.4	5.1	7.5	6.5	

	-5.9	-2.0	-1.3	-5.7	-9.6	-13.2	-15.9	-12.8	-9.6	-17.0	
	35.8	35.0	32.3	29.8	30.4	27.2	23.7	23.5	26.4	20.4	
	K	K	E	C	E	C	E	A	C	E	
	0	0	0	0	0	0	0	0	0	0	
07	82.0	0.8	1.8	0.8	2.3	2.3	2.0	1.4	2.2	2.6	0.7
11	82.0	0.8	1.8	0.8	2.3	2.3	2.0	1.4	2.2	2.6	0.7
01	82.0	0.9	2.0	1.0	2.4	2.4	2.2	1.5	2.4	2.8	0.8
05	82.0	-2.1	-1.0	-2.0	-0.6	-0.6	-0.8	-1.5	-0.7	-0.3	-2.2
09	82.0	0.9	2.0	1.0	2.4	2.4	2.2	1.5	2.4	2.8	0.8

1	2	3	4	5	6	7	8	9	10	11	12
TGO22600	TGO	-25.0	0.8	8.6	1.52	0.60	105	A883	A884	2	
			0.8	8.6	1.52	0.60	105	A881	A882	1	

			1		2		3		4		5		6	
			1.2		0.5		-0.2		0.7		1.7		1.9	
			6.1		6.9		11.1		11.0		9.2		6.3	
02	63.4	1.8	2.1	1.5	1.8	1.5	1.8	-1.4	-0.8	-1.3	-0.7	-1.0	-0.4	
06	63.4	1.5	1.5	1.5	1.5	-1.4	-0.9	-1.3	-0.9	-1.1	-0.7	0.8	0.9	
10	63.5	1.5	1.5	1.5	1.5	-1.4	-0.9	-1.3	-0.9	-1.1	-0.7	0.8	0.9	
14	63.5	1.5	2.5	1.5	2.5	-1.4	-0.4	-1.3	-0.3	-1.0	0.0	0.8	1.8	
18	63.6	1.5	1.8	1.5	1.8	-1.4	-0.8	-1.3	-0.7	-1.1	-0.5	0.8	1.2	

	1.2	0.3	-0.2	0.7	1.7	1.9	
	6.0	6.9	11.1	11.0	9.2	6.3	
	P	P	K	K	N	P	
	0	0	0	0	0	0	
02	82.0	1.5	1.2	1.2	1.6	0.2	1.3
06	82.0	-0.5	-0.7	-0.8	-0.3	-1.7	-0.7
10	82.0	-0.5	-0.7	-0.8	-0.3	-1.7	-0.7
14	82.0	51.4	51.1	51.1	51.5	50.1	51.2
04	82.0	1.5	1.2	1.2	1.6	0.2	1.3

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NIG11900	NIG	-19.0	7.8	9.4	2.16	2.02	45	A883	A884	1	
			7.8	9.4	2.16	2.02	45	A881	A882	2	

			1		2		3		4		5		6	
13														
14			3.4		7.0		5.5		13.3		12.0		7.0	
15			6.4		9.0		14.0		13.9		7.8		4.7	
16	22	63.9	4.0	4.1	10.2	8.3	6.0	5.7	4.5	4.5	5.4	5.2	6.8	6.3
16	26	63.9	3.8	4.0	9.9	8.2	5.8	5.5	4.3	4.4	5.3	5.2	6.6	6.1
16	30	64.0	3.8	4.0	9.9	8.2	5.8	5.5	4.3	4.4	5.3	5.2	6.6	6.1
16	34	64.1	3.8	4.5	9.9	9.7	5.8	6.3	4.3	4.9	5.3	5.8	6.6	7.0
16	38	64.1	3.8	4.2	10.0	8.9	5.8	5.9	4.4	4.7	5.3	5.5	6.5	6.4

			3.4	7.0	5.5	13.3	12.0	7.0
17								
18			6.4	9.0	14.0	13.9	7.8	4.7
19			N	N	K	E	N	P
20			0	0	0	0	0	0
21	02	82.0	2.8	5.1	1.9	1.5	3.0	2.6
21	04	82.0	2.8	5.1	1.9	1.5	3.0	2.6
21	06	82.0	2.8	5.1	1.9	1.5	3.0	2.6
21	08	82.0	7.1	9.4	6.2	5.8	7.4	6.9
21	10	82.0	4.3	6.7	3.5	3.1	4.6	4.1

1	2	3	4	5	6	7	8	9	10	11	12
NMB02500	NMB	-19.0	17.5	-21.6	2.66	1.90	48	A883	A884	2	
			17.5	-21.6	2.66	1.90	48	A881	A882	1	

			1		2		3		4		5	
13												
14			12.0		21.0		25.0		21.0		20.0	
15			-17.0		-18.0		-17.6		-22.0		-28.4	
16	25	64.7	11.0	11.5	8.0	8.7	5.0	5.9	4.4	5.3	-0.4	0.6
16	29	64.8	11.3	11.2	8.1	8.6	5.1	5.8	4.4	5.2	-0.4	0.5
16	33	64.8	11.2	11.3	8.1	8.6	5.0	5.8	4.4	5.2	1.4	2.3
16	37	64.9	10.9	11.9	8.0	9.0	5.0	6.0	4.3	5.3	-0.4	0.6

			17.1	20.0	21.0	25.0	21.0	12.0
17								
18			-22.6	-28.4	-22.0	-17.6	-18.0	-17.0
19			E	E	E	N	E	E
20			0	0	0	0	0	0
21	01	82.0	14.5	11.3	13.8	11.2	13.0	11.1
21	05	82.0	11.3	8.1	10.6	8.0	9.9	7.9
21	09	82.0	11.9	8.7	11.1	8.5	10.4	8.5
21	13	82.0	39.7	36.5	38.9	36.3	38.2	36.3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ISR11000	ISR	-13.0	34.9	31.4	0.94	0.60	117	A883	A884	2	
			34.9	31.4	0.94	0.60	117	A881	A882	2	

			1		2		3		4		5	
13												
14			34.8		34.3		35.2		35.5		35.3	
15			29.5		31.2		33.2		32.4		31.3	
16	25	63.8	7.6	8.6	6.7	7.7	2.0	3.0	5.3	6.3	7.9	8.9
16	29	63.9	7.6	8.6	6.7	7.7	2.0	3.0	5.2	6.2	7.8	8.8
16	33	63.9	7.6	8.6	6.7	7.7	2.0	3.0	5.2	6.2	7.8	8.8
16	37	64.0	7.3	8.3	6.5	7.5	1.9	2.9	5.1	6.1	7.7	8.7

			34.8	34.3	35.2	35.5	35.3
17							
18			29.5	31.2	33.2	32.4	31.3
19			D	G	L	K	G
20			0	100	0	-125	-400
21	01	82.0	22.1	23.9	22.4	23.7	24.3
21	05	82.0	19.1	20.9	19.4	20.7	21.3
21	09	82.0	22.1	23.9	22.4	23.7	24.3
21	11	82.0	21.3	23.1	21.6	22.9	23.5

1	2	3	4	5	6	7	8	9	10	11	12
STP24100	STP	-13.0	7.0	0.8	0.60	0.60	0	A883	A884	2	
			7.0	0.8	0.60	0.60	0	A881	A882	1	

			1		2		3		4	
13										
14			7.4		6.8		7.0		5.0	
15			1.7		0.4		0.8		2.0	
16	04	61.5	0.8	1.8	2.8	3.7	3.1	4.0	-2.4	-1.4
16	08	61.5	0.8	1.8	2.8	3.7	3.1	4.0	-2.4	-1.4
16	12	61.5	0.8	1.8	2.8	3.8	3.1	4.1	-2.4	-1.4
16	16	61.6	0.8	1.8	2.8	3.7	3.1	4.0	-2.4	-1.4
16	20	61.7	2.7	3.6	4.4	5.3	4.8	5.7	0.0	1.0

			7.0
17			
18			0.8
19			N
20			0
21	04	82.0	12.2
21	08	82.0	12.2
21	12	82.0	27.0
21	02	82.0	12.2
21	06	82.0	12.2

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 5

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MOZ30700	MOZ	-1.0	34.0	-18.0	3.57	1.38	55	A883	A884	2	
			34.0	-18.0	3.57	1.38	55	A881	A882	1	

			1		2		3		4		5	
13			40.3		40.0		32.5		30.3		35.0	
14			-10.3		-16.0		-26.8		-15.0		-11.8	
15			J		N		K		J		J	
16			0		0		0		0		0	
16	04	64.3	6.8	5.6	9.0	6.8	4.2	3.9	4.3	4.0	5.7	4.9
16	08	64.2	6.8	5.6	8.9	6.8	4.2	3.9	4.2	3.9	5.7	4.9
16	12	64.3	6.8	6.6	9.0	8.1	4.2	4.5	4.3	4.6	5.7	5.7
16	16	64.4	6.8	6.6	9.0	8.1	4.2	4.5	4.2	4.5	5.7	5.7
16	20	64.4	6.8	5.6	8.4	6.5	3.6	3.4	3.9	3.7	5.7	4.9
17			40.3		40.0		32.5		30.3		35.0	
18			-10.3		-16.0		-26.8		-15.0		-11.8	
19			J		N		K		J		J	
20			0		0		0		0		0	
21	04	82.0	0.3		0.7		-0.1		-0.3		1.0	
21	08	82.0	0.3		0.8		-0.1		-0.3		1.1	
21	12	82.0	3.3		3.7		2.9		2.7		4.1	
21	02	82.0	3.2		3.7		2.8		2.6		4.0	
21	06	82.0	0.3		0.7		-0.1		-0.3		1.0	

1	2	3	4	5	6	7	8	9	10	11	12
ZMB31400	ZMB	-1.0	27.5	-13.1	2.38	1.48	39	A883	A884	1	
			27.5	-13.1	2.38	1.48	39	A881	A882	2	

			1		2		3		4		5		6	
13			28.5		33.0		33.0		25.5		26.2		24.1	
14			-8.0		-9.0		-13.8		-17.5		-15.0		-11.0	
15			K		J		J		J		J		K	
16			0		0		0		0		0		0	
16	03	63.8	4.6	3.9	3.9	3.4	3.0	2.8	3.5	3.2	6.5	5.1	6.9	5.4
16	07	63.8	4.5	3.9	3.9	3.4	3.0	2.8	3.5	3.2	6.5	5.1	6.9	5.4
16	11	63.8	4.6	4.6	3.9	4.0	3.0	3.3	3.5	3.7	6.5	6.0	6.9	6.3
16	15	63.9	4.6	3.9	3.9	3.4	3.0	2.8	3.5	3.1	6.5	5.1	6.9	5.3
16	19	63.9	4.6	4.7	3.9	4.2	3.0	3.4	3.5	3.8	6.5	6.2	6.9	6.5
17			28.5		33.0		33.0		25.5		26.2		24.1	
18			-8.0		-9.0		-13.8		-17.5		-15.0		-11.0	
19			K		J		J		J		J		K	
20			0		0		0		0		0		0	
21	03	82.0	-1.1		-0.7		-0.6		0.0		2.0		-0.2	
21	07	82.0	-1.1		-0.7		-0.6		0.0		2.0		-0.2	
21	11	82.0	1.4		1.8		1.9		2.6		4.6		2.4	
21	05	82.0	-1.2		-0.8		-0.7		-0.1		1.9		-0.3	
21	09	82.0	2.2		2.6		2.6		3.3		5.3		3.1	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IFB02100	AFS	5.0	24.5	-28.0	3.13	1.68	27	A883	A884	2	
			24.5	-28.0	3.13	1.68	27	A881	A882	1	

			1		2		3		4		5		6	
13			30.0		32.5		25.8		20.0		16.8		18.2	
14			-22.1		-27.0		-24.7		-25.0		-28.0		-34.2	
15			E		K		E		C		C		D	
16			0		0		0		0		0		0	
16	21	64.1	0.7	1.6	4.4	5.2	6.4	7.2	10.4	10.8	12.1	12.2	11.4	11.7
16	25	64.2	-0.3	0.4	3.1	3.4	1.4	1.9	-0.7	0.0	0.1	0.7	4.0	4.2
16	29	64.1	-0.3	0.3	3.1	3.3	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.2
16	33	64.2	-0.3	0.4	3.2	3.5	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.3
16	37	64.3	-0.3	0.4	3.1	3.4	1.4	1.9	-0.7	0.0	0.2	0.8	4.1	4.3
17			30.0		32.5		24.0		20.0		16.8		18.2	
18			-22.1		-27.0		-23.0		-25.0		-28.0		-34.2	
19			E		K		E		C		C		D	
20			0		0		0		0		0		0	
21	01	82.0	16.2		16.9		16.7		16.7		16.6		16.2	
21	03	82.0	8.3		9.0		8.8		8.8		8.7		8.3	
21	05	82.0	7.8		8.5		8.3		8.3		8.2		7.8	
21	07	82.0	8.3		9.0		8.8		8.8		8.7		8.3	
21	11	82.0	8.5		9.2		9.0		9.0		8.9		8.5	

			5		6	
17			25.6		31.0	
18			-33.9		-29.7	
19			D		K	
20			0		0	
21	01	82.0	16.0		16.8	
21	03	82.0	8.1		8.9	
21	05	82.0	7.6		8.4	
21	07	82.0	8.1		8.9	
21	11	82.0	8.3		9.1	

			6	
17			28.9	14.5
18			-26.2	-23.0
19			E	C
20			0	0
21	01	82.0	18.6	9.7
21	03	82.0	10.7	1.8
21	05	82.0	10.2	1.3
21	07	82.0	10.7	1.8
21	11	82.0	10.9	1.9

1	2	3	4	5	6	7	8	9	10	11	12
UGA05100	UGA	11.0	32.3	1.2	1.46	1.12	60	A883	A884	1	
			32.3	1.2	1.46	1.12	60	A881	A882	2	

			1		2		3		4		5		6	
13			34.0		31.2		30.0		29.8		33.8		34.6	
14			4.3		3.7		0.7		-1.3		-1.0		1.3	
15			K		K		K		K		K		K	
16			0		0		0		0		0		0	
16	03	63.3	5.8	6.1	7.3	7.4	5.5	5.9	1.3	2.0	3.0	3.6	4.6	5.1
16	07	63.3	5.8	6.2	7.3	7.5	5.5	6.0	1.3	2.1	2.9	3.6	4.6	5.2
16	11	63.3	5.8	6.1	7.3	7.4	5.5	5.9	1.3	2.0	2.9	3.5	4.6	5.1
16	15	63.4	5.8	6.1	7.3	7.4	5.5	5.9	1.3	2.0	2.9	3.5	4.6	5.1
16	19	63.4	5.8	6.4	7.3	7.7	5.5	6.1	1.3	2.1	2.9	3.7	4.6	5.3
17			34.0		31.2		30.0		29.8		33.8		34.6	
18			4.3		3.7		0.7		-1.3		-1.0		1.3	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	02	82.0	4.5		4.5		5.6		4.5		4.5		5.5	
21	04	82.0	5.5		5.4		6.5		5.5		5.4		6.5	
21	06	82.0	4.5		4.5		5.6		4.5		4.5		5.5	
21	08	82.0	4.5		4.5		5.6		4.5		4.5		5.5	
21	10	82.0	6.8		6.7		7.8		6.7		6.7		7.7	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
YMS26700	YMS	11.0	48.8	15.2	1.76	1.54	176	A883	A884	2	
			48.8	15.2	1.76	1.54	176	A881	A882	1	

			1		2		3		4		5		6	
13			43.2		45.5		49.5		52.6		53.7		46.5	
14			12.4		15.0		18.4		16.6		12.2		13.5	
15														
16	01	62.8	5.5	6.1	6.6	7.1	4.8	5.5	6.3	6.9	7.3	7.8	7.5	7.9
16	05	62.9	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.0	5.4	5.1	5.5
16	09	62.9	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.0	5.4	5.1	5.5
16	13	63.0	3.3	3.9	4.2	4.7	2.6	3.2	4.5	4.9	5.1	5.5	5.1	5.5
16	17	63.0	3.4	4.0	4.2	4.7	2.6	3.2	4.6	5.0	5.2	5.5	5.2	5.5
17			43.2		45.5		49.5		52.6		53.7		46.5	
18			12.4		15.0		18.4		16.6		12.2		13.5	
19			E		C		C		C		E		E	
20			0		0		0		0		0		0	
21	01	82.0	7.7		10.3		9.1		9.9		7.1		10.3	
21	03	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	05	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	07	82.0	4.7		7.3		6.1		6.9		4.1		7.3	
21	09	82.0	4.7		7.3		6.1		6.9		4.1		7.3	

1	2	3	4	5	6	7	8	9	10	11	12
ETH09200	ETH	23.0	39.7	9.1	3.50	2.40	124	A883	A884	2	
			39.7	9.1	3.50	2.40	124	A881	A882	1	

			1		2		3		4		5		6	
13			42.4		35.5		39.0		34.5		45.0		39.2	
14			13.0		7.5		3.3		6.2		5.0		17.5	
15														
16	22	63.4	3.1	4.0	3.5	4.4	7.5	8.3	3.0	3.9	9.6	10.3	2.5	3.4
16	26	63.5	2.6	3.6	3.0	4.0	6.6	7.6	2.6	3.6	7.8	8.8	1.9	2.9
16	30	63.6	2.5	3.4	2.9	3.8	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
16	34	63.6	2.5	3.4	3.0	3.9	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
16	38	63.7	2.5	3.4	2.9	3.8	6.5	7.3	2.5	3.4	7.6	8.4	1.7	2.6
17			41.1	38.5	36.6		34.6	34.0	35.1		42.1	45.0	48.0	43.1
18			15.1	18.0	15.6		10.9	7.9	4.5		4.2	5.1	8.0	12.7
19			C	C	E		J	J	K		J	E	E	E
20			0	0	400		800	200	200		0	200	700	0
21	08	82.0	13.2	12.0	13.4		13.8	12.9	12.2		14.2	13.5	11.7	13.5
21	12	82.0	30.1	28.8	30.2		30.7	29.8	29.0		31.0	30.4	28.5	30.4
21	02	82.0	13.2	12.0	13.4		13.8	12.9	12.2		14.2	13.5	11.7	13.5
21	06	82.0	13.2	12.0	13.4		13.8	12.9	12.2		14.2	13.5	11.7	13.5
21	10	82.0	13.4	12.2	13.5		14.0	13.1	12.3		14.3	13.7	11.8	13.7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRN10900	IRN	34.0	54.2	32.4	3.82	1.82	149	A883	A884	2	
			54.2	32.4	3.82	1.82	149	A881	A882	1	

			1		2		3		4		5		6	
13			60.2		61.5		61.1		48.2		46.1		44.9	
14			25.2		31.0		36.5		30.3		33.1		39.4	
15														
16	03	62.8	7.3	8.2	6.8	7.7	7.8	8.7	11.6	12.4	12.3	13.0	10.8	11.6
16	07	62.8	7.3	8.2	6.7	7.6	7.7	8.6	11.6	12.4	12.2	13.0	10.7	11.6
16	11	62.9	7.3	8.3	6.8	7.8	7.6	8.6	11.7	12.6	12.5	13.4	11.1	12.0
17			48.0	44.6	56.5		61.2	61.8	63.3		61.4	55.1	48.2	45.4
18			39.7	39.8	38.2		36.6	31.3	27.1		25.1	25.9	30.3	34.0
19			K	K	C		C	E	E		E	C	E	K
20			0	0	0		0	0	0		0	0	0	0
21	03	82.0	16.6	15.8	16.3		15.4	17.2	16.4		16.0	16.4	16.6	16.6
21	07	82.0	17.4	16.7	17.2		16.3	18.1	17.3		16.9	17.3	17.5	17.5
21	11	82.0	21.5	20.7	21.2		20.3	22.2	21.3		20.9	21.3	21.6	21.6

1	2	3	4	5	6	7	8	9	10	11	12
PAK12700	PAK	38.0	69.6	29.5	2.30	2.16	14	A883	A884	1	
			69.6	29.5	2.30	2.16	14	A881	A882	2	

			1		2		3		4		5		6	
13			70.0		74.5		75.0		74.5		71.7		66.5	
14			34.0		35.7		32.3		30.8		28.4		30.9	
15														
16	02	63.9	4.7	5.7	1.8	2.8	4.2	5.2	5.4	6.3	7.8	8.7	8.0	8.9
16	06	64.0	4.7	5.7	1.8	2.8	4.3	5.3	5.4	6.4	7.8	8.7	8.0	8.9
17			70.0		74.5		75.0		74.5		71.7		66.5	
18			34.0		35.7		32.3		30.8		28.4		30.9	
19			C		E		E		E		E		E	
20			0		0		0		0		0		0	
21	02	82.0	15.9		15.1		16.3		16.6		17.1		16.7	
21	06	82.0	17.8		17.0		18.2		18.5		19.0		18.6	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK21000	PAK	38.0	72.1 72.1	30.8 30.8	1.16 1.16	0.72 0.72	90 90	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			75.2		70.1		72.3		73.7		71.8		70.4	
15			32.2		27.8		33.7		33.9		28.0		31.3	
16	12	63.5	-0.1	0.9	0.1	1.1	-1.4	-0.4	-0.6	0.4	-0.6	0.4	1.6	2.6
17			75.2		70.1		72.3		73.7		71.8		70.4	
18			32.2		27.8		33.7		33.9		28.0		31.3	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	12	82.0	12.6		13.9		13.4		14.2		13.8		13.6	

1	2	3	4	5	6	7	8	9	10	11	12
PAK28300	PAK	38.0	74.7 74.7	33.9 33.9	1.34 1.34	1.13 1.13	160 160	A883 A881	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			70.3		79.8		79.1		75.1		72.8		70.0	
15			31.2		35.6		32.7		37.2		36.7		34.0	
16	04	64.3	3.0	3.9	4.7	5.6	2.5	3.5	6.9	7.8	6.7	7.6	5.5	6.4
16	08	64.3	3.0	4.0	4.8	5.8	2.5	3.5	7.0	8.0	6.8	7.8	5.5	6.5
17			70.3		79.8		75.1		72.8		70.0		79.0	
18			31.2		35.6		37.2		36.7		34.0		32.5	
19			E		C		C		E		C		E	
20			0		0		0		0		0		0	
21	04	82.0	13.4		14.1		13.7		13.4		13.8		13.3	
21	08	82.0	24.8		25.4		25.1		24.8		25.2		24.6	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 10

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03800	IND	56.0	75.9 75.9	33.4 33.4	1.52 1.52	1.08 1.08	33 33	A883 A881	A884 A882	1 2	3.

			1		2		3		4		5		6	
13														
14			73.9		73.6		72.5		74.6		80.3		79.0	
15			30.0		33.1		35.9		37.0		35.7		31.2	
16	17	64.3	0.7	0.9	6.3	5.0	4.6	3.9	5.3	4.4	7.8	5.8	-3.4	-2.7
16	23	64.4	8.1	7.7	11.1	9.6	6.5	6.5	7.1	6.9	11.3	9.7	5.7	5.8
17			73.9		73.6		72.5		74.6		80.3		79.0	
18			30.0		33.1		35.9		37.0		35.7		31.2	
19			E		E		E		E		K		K	
20			0		0		0		0		0		0	
21	03	82.0	2.1		3.9		-1.2		-0.6		2.5		-0.4	
21	09	82.0	6.5		8.2		3.2		3.8		6.8		4.0	

1	2	3	4	5	6	7	8	9	10	11	12
IND03900	IND	56.0	72.7 72.7	11.2 11.2	1.26 1.26	0.60 0.60	107 107	A883 A881	A884 A882	1 2	3.

			1		2		3	
13								
14			71.9		73.7		73.0	
15			12.3		10.9		8.3	
16	05	63.2	8.2	7.8	8.5	8.0	8.7	8.1
16	13	63.3	8.1	8.6	8.1	8.6	7.1	7.7
17			71.9		73.7		73.0	
18			12.3		10.9		8.3	
19			N		N		N	
20			0		0		0	
21	05	82.0	5.3		4.1		3.3	
21	13	82.0	9.8		8.5		7.8	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 11

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04000	IND	56.0	73.0	25.0	1.82	1.48	58	A883	A884	2	3.
			73.0	25.0	1.82	1.48	58	A881	A882	1	

			1		2		3		4		5		6	
13														
14			67.8		69.5		73.5		78.2		76.8		73.1	
15			24.0		27.0		30.0		27.0		24.2		20.1	
16	04	63.7	8.8	7.3	4.0	4.0	-0.7	-0.1	3.0	3.2	7.5	6.5	8.6	7.1
16	12	63.8	4.7	5.3	0.5	1.4	-1.1	-0.2	4.1	4.8	7.8	8.1	8.5	8.7
17			67.8		69.5		73.5		78.2		76.8		73.1	
18			24.0		27.0		30.0		27.0		24.2		20.1	
19			K		E		E		K		K		N	
20			0		0		0		0		0		0	
21	04	82.0	0.8		1.3		1.4		1.3		1.8		1.0	
21	12	82.0	6.3		6.8		6.9		6.9		7.4		6.6	

1	2	3	4	5	6	7	8	9	10	11	12
IND04100	IND	56.0	78.4	16.0	2.08	1.38	35	A883	A884	2	3.
			78.4	16.0	2.08	1.38	35	A881	A882	1	

			1		2		3		4		5	
13												
14			73.6		78.3		84.9		80.2		76.8	
15			15.7		19.8		19.0		13.5		11.8	
16	20	63.8	13.2	8.8	3.1	3.2	1.8	2.1	13.6	8.9	13.9	9.0
16	22	63.8	13.4	9.6	3.5	3.7	1.9	2.3	14.3	9.9	15.0	10.1
17			73.6		78.6		84.9		80.2		76.8	
18			15.7		19.8		19.0		13.5		11.8	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	06	82.0	1.0		0.6		0.3		0.9		0.6	
21	08	82.0	2.1		1.7		1.4		2.1		1.8	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 12

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04300	IND	56.0	77.8	11.1	1.36	1.28	172	A883	A884	1	3.
			77.8	11.1	1.36	1.28	172	A881	A882	2	

			1		2		3		4		5	
13												
14			77.5		74.8		80.3		79.8		79.5	
15			8.1		12.8		13.5		10.2		9.1	
16	07	63.4	5.6	4.6	6.1	4.9	5.8	4.7	4.9	4.1	3.8	3.4
16	15	63.5	5.5	6.0	6.2	6.6	5.9	6.3	5.0	5.5	3.9	4.5
17			77.5		74.8		80.3		79.8		79.5	
18			8.1		12.8		13.5		10.2		9.1	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	07	82.0	-0.8		-1.1		-0.9		0.8		0.0	
21	01	82.0	5.6		5.4		5.6		7.3		6.4	

1	2	3	4	5	6	7	8	9	10	11	12
IND04500	IND	56.0	76.2	19.5	1.58	1.58	21	A883	A884	2	3.
			76.2	19.5	1.58	1.58	21	A881	A882	1	

			1		2		3		4		5		6	
13														
14			74.0		72.6		74.4		80.0		80.2		74.0	
15			15.7		19.9		22.0		21.6		18.8		15.7	
16	02	63.6	4.5	4.8	4.1	4.5	3.2	3.7	5.0	5.3	6.5	6.5	4.5	4.8
16	10	63.6	4.5	5.2	4.1	4.8	3.1	3.9	4.9	5.5	6.5	7.0	4.5	5.2
17			74.0		72.6		74.4		80.0		80.2			
18			15.7		19.9		22.0		21.6		18.8			
19			N		N		K		N		N			
20			0		0		0		0		0			
21	02	82.0	3.4		4.2		4.5		3.9		3.7			
21	10	82.0	6.4		7.1		7.4		6.8		6.6			

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 13

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2	3.
			93.0	25.5	1.46	1.13	40	A881	A882	1	

			1		2		3		4		5		6	
13														
14			93.0		91.6		89.8		91.5		96.0		97.1	
15			22.0		23.0		26.0		27.8		29.5		27.1	
16	06	64.0	1.8	2.1	4.3	4.2	1.7	2.0	0.4	0.9	-1.0	-0.4	-0.5	0.1
16	14	64.1	4.1	5.1	5.8	6.8	2.8	3.8	2.1	3.1	2.1	3.1	3.8	4.8
17			93.0		91.6		89.8		91.5		96.0		97.1	
18			22.0		23.0		26.0		27.8		29.5		27.1	
19			P		N		K		K		K		K	
20			0		0		0		0		0		0	
21	06	82.0	0.5		3.0		1.8		1.3		1.0		2.1	
21	14	82.0	49.0		51.5		50.3		49.8		49.4		50.6	

1	2	3	4	5	6	7	8	9	10	11	12
IND04200	IND	68.0	79.3	27.7	2.14	1.16	147	A883	A884	2	3.
			79.3	27.7	2.14	1.16	147	A881	A882	1	

			1		2		3		4		5		6	
13														
14			78.7		74.5		81.0		83.6		84.6		83.0	
15			24.2		29.9		30.2		27.5		25.8		23.9	
16	18	63.8	1.8	2.3	2.7	3.1	4.4	4.6	1.3	1.9	-1.6	-0.8	-1.0	-0.3
16	24	63.9	1.6	2.0	2.4	2.7	3.6	3.7	1.4	1.8	-1.3	-0.6	-0.7	-0.1
17			78.7		74.5		81.0		83.6		84.6		83.0	
18			24.2		29.9		30.2		27.5		25.8		23.9	
19			K		E		K		K		K		K	
20			0		0		0		0		0		0	
21	04	82.0	2.1		3.0		2.7		3.0		2.5		2.8	
21	10	82.0	0.8		1.7		1.4		1.7		1.2		1.5	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 14

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04400	IND	68.0	79.5	22.3	2.19	1.42	146	A883	A884	1	3.
			79.5	22.3	2.19	1.42	146	A881	A882	2	

			1		2		3		4		5		6	
13														
14			74.1		75.2		78.2		81.5		84.3		81.2	
15			22.6		25.0		26.9		25.2		23.0		17.8	
16	01	63.4	7.3	7.1	5.6	5.8	0.9	1.6	1.7	2.3	2.6	3.2	9.0	8.3
16	09	63.5	5.7	4.9	4.4	4.0	0.3	0.7	0.7	1.1	0.6	1.0	7.7	6.2
17			74.1		75.2		78.2		81.5		84.3		81.2	
18			22.6		25.0		26.9		25.2		23.0		17.8	
19			K		K		K		K		N		N	
20			0		0		0		0		0		0	
21	01	82.0	3.3		4.5		3.8		4.2		3.6		3.8	
21	09	82.0	-0.3		0.9		0.1		0.5		0.0		0.1	

1	2	3	4	5	6	7	8	9	10	11	12
IND04600	IND	68.0	84.7	20.5	1.60	0.86	30	A883	A884	1	3.
			84.7	20.5	1.60	0.86	30	A881	A882	2	

			1		2		3		4		5	
13												
14			81.4		84.0		87.5		84.3		82.3	
15			17.8		22.4		21.7		18.8		21.0	
16	19	63.6	4.3	4.4	1.0	1.5	0.5	1.1	4.6	4.6	3.0	3.3
16	21	63.7	4.6	4.4	1.2	1.6	0.6	1.1	4.9	4.6	3.3	3.4
17			81.4		84.0		87.5		84.3		82.3	
18			17.8		22.4		21.7		18.8		21.0	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	05	82.0	2.5		1.5		4.1		3.4		2.6	
21	07	82.0	1.4		0.5		3.1		2.4		1.6	

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 15

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04700	IND	68.0	93.3	11.1	1.92	0.60	96	A883	A884	1	3.
			93.3	11.1	1.92	0.60	96	A881	A882	2	

			1		2		3		4	
13										
14			93.8		94.2		93.8		92.2	
15			14.8		13.4		6.8		11.5	
16	03	63.5	6.2	6.8	7.6	8.1	10.3	10.4	10.0	10.2
16	11	63.5	6.2	7.2	7.7	8.7	13.6	14.4	10.6	11.5

			1	2	3	4
17			93.8	94.2	93.8	92.2
18			14.8	13.4	6.8	11.5
19			P	P	P	N
20			0	0	0	0
21	03	82.0	9.1	9.2	8.5	7.9
21	11	82.0	19.5	19.6	18.9	18.3

1	2	3	4	5	6	7	8	9	10	11	12
IND04800	IND	68.0	86.2	25.0	1.56	0.90	120	A883	A884	2	3.
			86.2	25.0	1.56	0.90	120	A881	A882	1	

			1		2		3		4		5		6	
13														
14			83.3		83.8		88.6		89.8		89.0		89.0	
15			25.2		27.4		28.2		26.7		25.3		23.2	
16	08	63.7	0.4	0.0	0.1	-0.2	-2.7	-2.4	-2.8	-2.5	1.2	0.6	3.4	1.9
16	16	65.5	4.0	3.1	3.7	2.9	-4.4	-3.7	-6.2	-5.4	-1.2	-0.9	1.3	1.2

			1	2	3	4	5	6
17			83.3	83.8	88.6	89.8	89.0	89.0
18			25.2	27.4	28.2	26.7	25.3	23.2
19			K	K	K	K	K	N
20			0	0	0	0	0	0
21	08	82.0	-1.3	-0.1	-3.1	-4.4	-1.4	-0.7
21	02	82.0	0.5	1.8	-1.3	-2.5	0.5	1.2

PLAN 2 ANALYSIS OF THE PLAN ORB(2) PAG. 16

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SNG15100	SNG	74.0	103.8	1.3	0.60	0.60	0	A883	A884	2	
			103.8	1.3	0.60	0.60	0	A881	A882	1	

			1		2		3		4		5		6	
13														
14			103.8		104.0		104.0		103.0		102.4		106.0	
15			1.5		1.4		0.5		2.8		0.4		1.1	
16	03	63.6	3.5	4.5	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4	-1.6	-0.6
16	07	63.6	3.4	4.4	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4	-1.6	-0.6
16	11	63.7	10.9	11.9	10.8	11.8	10.5	11.5	5.3	6.3	10.6	11.6	3.3	4.3
16	15	63.7	6.8	7.8	6.7	7.7	5.7	6.7	1.6	2.6	4.5	5.5	0.3	1.3

			1	2	3	4	5	6
17			103.8	104.0	104.0	103.0	102.4	106.0
18			1.5	1.4	0.5	2.8	0.4	1.1
19			P	P	P	P	P	P
20			0	0	0	0	0	0
21	03	82.0	32.8	32.8	30.8	26.6	27.5	25.7
21	07	82.0	42.5	42.4	40.4	36.2	37.1	35.3
21	11	82.0	32.9	32.9	30.8	26.6	27.6	25.7
21	01	82.0	43.1	43.1	41.0	36.8	37.8	35.9

1	2	3	4	5	6	7	8	9	10	11	12
PNG13100	PNG	110.0	147.7	-6.3	2.50	2.18	169	A883	A884	1	
			147.7	-6.3	2.50	2.18	169	A881	A882	2	

			1		2		3		4		5	
13												
14			150.0		157.0		154.0		141.0		141.0	
15			-1.0		-7.0		-12.0		-9.2		-2.6	
16	02	64.5	5.6	6.6	6.6	7.6	4.6	5.6	1.5	2.5	2.9	3.9
16	06	64.4	5.4	6.4	6.3	7.3	4.3	5.3	1.4	2.4	2.8	3.8
16	10	64.5	5.4	6.4	6.4	7.4	4.4	5.4	1.4	2.4	2.8	3.8
16	14	64.6	5.2	6.2	6.1	7.1	4.1	5.1	1.3	2.3	2.7	3.7

			1	2	3	4	5
17			150.0	157.0	154.0	141.0	141.0
18			-1.0	-7.0	-12.0	-9.2	-2.6
19			P	P	P	P	P
20			0	0	0	0	0
21	02	89.0	55.7	56.1	55.2	55.8	56.1
21	06	89.0	55.6	55.9	55.0	55.6	55.9
21	10	89.0	57.4	57.8	56.9	57.5	57.8
21	14	89.0	61.5	61.8	60.9	61.6	61.8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PNG27100	PNG	128.0	148.0 148.0	-6.7 -6.7	2.80 2.80	2.05 2.05	155 155	A883 A881	A884 A882	1 2	

13			1		2		3		4		5		
14			150.0		157.0		154.0		141.0		141.0		
15			-1.0		-7.0		-12.0		-9.2		-2.6		
16	04	63.4	4.2	5.2	4.0	5.0	4.6	5.6	3.3	4.3	4.4	5.4	
16	08	63.4	4.1	5.1	4.0	5.0	4.6	5.6	3.2	4.2	4.3	5.3	
16	12	63.5	3.5	4.5	3.0	4.0	3.6	4.6	2.7	3.7	4.0	5.0	
17			150.0	157.0	154.0	141.0	141.0						
18			-1.0	-7.0	-12.0	-9.2	-2.6						
19			P	P	P	P	P						
20			0	0	0	0	0						
21	04	89.0	56.1	56.2	56.9	55.9	56.9						
21	08	89.0	54.9	55.0	55.8	54.7	55.8						
21	12	89.0	56.8	56.9	57.7	56.7	57.7						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
OCE10100	F	-160.0	-145.0	-16.3	4.34	3.54	4	A883	A884	2	
			-145.0	-16.3	4.34	3.54	4	A887	A882	1	

			1		2		3		4	
13										
14			-153.0		-154.7		-139.3		-134.5	
15			-23.0		-15.7		-9.0		-23.3	
16	04	63.6	24.5	25.1	17.6	18.5	21.9	22.7	28.1	28.3
16	08	63.6	24.4	25.1	17.6	18.5	21.8	22.6	28.1	28.3
16	12	63.6	24.0	24.7	17.5	18.4	21.8	22.6	28.1	28.3
16	16	63.7	25.5	26.0	17.8	18.7	21.9	22.7	28.2	28.4

			-153.0	-154.7	-139.3	-134.5
17						
18			-23.0	-15.7	-9.0	-23.3
19			D	D	N	D
20			0	0	0	0
21	04	84.0	26.5	27.4	26.8	26.2
21	08	84.0	26.6	27.4	26.8	26.2
21	12	84.0	26.6	27.4	26.8	26.2
21	16	84.0	26.5	27.3	26.7	26.1

1	2	3	4	5	6	7	8	9	10	11	12
AND34100	E F	-37.0	1.6	42.5	0.60	0.60	0	A883	A884	2	
			1.5	42.5	0.61	0.60	153	A887	A882	1	

			1		2		3		4		5		6	
13			1.5		1.4		1.5		1.7		1.4		1.7	
14			42.4		42.5		42.6		42.5		42.4		42.5	
16	04	61.5	-0.4	0.2	-0.5	0.1	-0.5	0.1	-0.5	0.1	-0.7	0.0	-0.5	0.1
16	08	61.5	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
16	12	61.6	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
16	16	61.6	-0.3	0.3	-0.4	0.2	-0.5	0.1	-0.4	0.2	-0.6	0.1	-0.4	0.2
16	20	61.7	-0.6	0.0	-0.7	-0.1	-0.7	-0.1	-0.7	-0.1	-0.9	-0.3	-0.7	-0.1

			1.5	1.4	1.5	1.7	1.4	1.7
17								
18			42.4	42.5	42.6	42.5	42.4	42.5
19			K	H	H	K	K	K
20			0	0	0	0	0	0
21	04	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	08	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	12	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	16	84.0	1.2	1.2	1.2	1.2	1.2	1.2
21	20	84.0	0.8	0.8	0.8	0.8	0.8	0.8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CVA08300	CVA	-37.0	12.4	41.8	0.60	0.60	0	A883	A884	1	
			12.4	41.8	0.60	0.60	0	A887	A882	1	

			1		2		3		4		5		6	
13			12.0		14.1		11.0		12.5		15.0		14.9	
14			40.0		40.7		42.5		43.8		44.0		42.0	
16	27	65.2	-0.1	0.9	-2.0	-1.0	-0.4	0.6	-3.3	-2.3	-2.8	-1.8	-0.9	0.1
16	31	65.3	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.7	-1.7	-0.9	0.1
16	35	65.3	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.7	-1.7	-0.9	0.1
16	39	65.4	0.0	1.0	-1.9	-0.9	-0.3	0.7	-3.3	-2.3	-2.8	-1.8	-0.9	0.1

			12.0	14.1	11.0	12.5	15.0	14.9
17								
18			40.0	40.7	42.5	43.8	44.0	42.0
19			K	K	L	L	K	K
20			0	0	0	0	0	0
21	27	84.0	15.2	14.5	16.5	13.8	15.6	17.6
21	31	84.0	14.9	14.3	16.3	13.6	15.4	17.3
21	35	84.0	14.4	13.8	15.8	13.1	14.9	16.8
21	39	84.0	14.4	13.8	15.8	13.1	14.9	16.8

1	2	3	4	5	6	7	8	9	10	11	12
CVA08500	CVA	-37.0	10.8	41.5	2.00	0.60	138	A883	A884	1	
			10.8	41.5	2.00	0.60	138	A887	A882	1	

			1		2		3		4		5		6	
13			12.0		15.0		18.0		17.0		15.0		8.3	
14			47.0		42.0		40.0		38.0		37.8		38.3	
16	23	63.6	-2.5	-1.5	-2.6	-1.6	-3.6	-2.6	-0.4	0.6	1.5	2.4	-1.2	-0.2

			12.0	15.0	18.0	17.0	15.0	8.3
17								
18			47.0	42.0	40.0	38.0	37.8	38.3
19			K	K	L	K	K	K
20			0	0	0	0	0	0
21	23	84.0	11.6	11.8	10.3	10.9	12.3	11.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GMB30200	GMB	-37.0	-15.1	13.4	0.79	0.60	4	A883	A884	2	
			-15.1	13.4	0.79	0.60	4	A887	A882	1	

13			1		2		3		4		5		6		
14			-14.2		-16.5		-16.7		-14.3		-16.1		-15.6		
15			13.3		13.3		13.4		13.5		13.5		13.6		
16	03	63.4	3.2	2.4	3.8	2.8	3.6	2.7	3.7	2.7	4.2	3.0	4.6	3.3	
16	07	63.4	3.1	2.3	3.7	2.7	3.5	2.6	3.7	2.7	4.1	3.0	4.5	3.2	
16	11	63.4	3.1	2.3	3.7	2.7	3.5	2.6	3.7	2.7	4.1	3.0	4.6	3.3	
16	15	63.5	3.1	2.3	3.7	2.7	3.6	2.7	3.7	2.7	4.1	3.0	4.6	3.3	
16	19	63.5	3.6	2.7	3.9	2.9	3.7	2.7	4.1	3.0	4.3	3.1	4.8	3.4	
17			-14.2		-16.5		-16.7		-14.3		-16.1		-15.6		
18			13.3		13.3		13.4		13.5		13.5		13.6		
19			K		N		N		K		K		K		
20			0		0		0		0		0		0		
21	03	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6		
21	07	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6		
21	11	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6		
21	15	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6		
21	19	83.0	-1.2		-2.4		-2.9		-0.9		-1.6		-0.6		

1	2	3	4	5	6	7	8	9	10	11	12
GUI19200	GUI	-37.0	-11.0	10.2	1.58	1.04	147	A883	A884	2	
			-11.0	10.2	1.58	1.04	147	A887	A882	1	

13			1		2		3		4		5			
14			-8.6		-9.1		-14.5		-13.3		-11.3			
15			8.6		11.4		11.5		12.5		10.1			
16	01	63.5	12.8	8.8	10.5	8.0	3.8	3.8	4.5	4.3	10.8	8.1		
16	05	63.5	7.3	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7		
16	09	63.5	7.2	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7		
16	13	63.6	7.2	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.8	4.7		
16	17	63.7	7.3	4.9	4.5	3.4	2.4	2.0	2.5	2.1	6.9	4.7		
17			-8.6		-9.1		-14.5		-13.3		-11.3			
18			8.6		11.4		11.5		12.5		10.1			
19			N		K		K		K		N			
20			0		0		0		0		0			
21	01	85.0	1.5		0.8		0.5		0.8		3.3			
21	05	85.0	-1.5		-2.1		-2.4		-2.2		0.3			
21	09	85.0	-1.5		-2.1		-2.4		-2.2		0.3			
21	13	85.0	-1.5		-2.1		-2.4		-2.2		0.3			
21	17	85.0	-1.5		-2.1		-2.4		-2.2		0.3			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LIE25300	LIE	-37.0	9.5	47.1	0.60	0.60	0	A883	A884	1	
			9.5	47.1	0.60	0.60	0	A887	A882	2	

13			1		2		3		4				
14			9.5		9.5		9.6		9.6				
15			47.2		47.0		47.0		47.1				
16	03	62.4	0.7	1.3	0.9	1.5	0.9	1.5	0.8	1.4			
16	07	62.5	0.7	1.3	1.0	1.6	0.9	1.5	0.8	1.4			
16	11	62.5	0.7	1.3	1.0	1.6	1.0	1.6	0.8	1.4			
16	15	62.6	0.7	1.3	1.0	1.6	1.0	1.6	0.8	1.4			
16	19	62.6	0.7	1.3	1.0	1.6	1.0	1.6	0.9	1.5			
17			9.5										
18			47.1										
19			H										
20			0										
21	03	84.0	2.0										
21	07	84.0	2.0										
21	11	84.0	2.0										
21	15	84.0	2.0										
21	19	84.0	2.0										

1	2	3	4	5	6	7	8	9	10	11	12
MCO11600	MCO	-37.0	7.4	43.7	0.60	0.60	0	A883	A884	1	
			7.4	43.7	0.60	0.60	0	A887	A882	2	

13			1		2		3		4		5		6		
14			4.0		5.0		5.6		10.0		10.0		12.0		
15			42.0		41.5		46.0		43.5		46.0		45.0		
16	21	62.4	-2.1	-1.3	-2.1	-1.3	-9.5	-8.5	-2.8	-2.0	-4.2	-3.3	-4.8	-3.9	
16	25	62.5	-1.3	-0.5	-1.5	-0.7	-8.7	-7.7	-2.6	-1.8	-3.9	-3.0	-4.7	-3.8	
16	29	62.5	-1.2	-0.6	-1.5	-0.8	-8.5	-7.6	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0	
16	33	62.6	-1.2	-0.6	-1.5	-0.8	-8.6	-7.7	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0	
16	37	62.6	-1.3	-0.7	-1.5	-0.8	-8.8	-7.9	-2.6	-1.9	-4.0	-3.2	-4.8	-4.0	
17			7.4												
18			43.7												
19			L												
20			0												
21	21	83.0	1.8												
21	25	83.0	2.2												
21	29	83.0	0.3												
21	33	83.0	0.3												
21	37	83.0	0.3												

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 5

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLI32700	MLI	-37.0	-2.0	19.0	2.66	1.26	127	A883	A884	1	
			-2.0	19.0	2.66	1.26	127	A887	A882	2	

			1		2		3		4		5	
13			-2.0		2.8		-2.5		-5.4		-5.4	
14			19.0		20.0		23.3		21.6		17.6	
16	02	63.3	11.4	6.8	9.7	6.3	8.5	5.8	11.4	6.8	10.6	6.6
16	06	63.2	11.4	6.8	9.6	6.2	8.4	5.7	11.3	6.8	10.6	6.6
16	10	63.3	11.4	6.8	9.6	6.2	8.4	5.7	11.3	6.8	10.6	6.6
16	14	63.4	11.4	6.8	9.7	6.3	8.5	5.8	11.3	6.8	10.6	6.6
16	18	63.4	11.5	6.8	9.6	6.2	8.5	5.8	11.4	6.8	10.6	6.6

17			-2.0	2.8	-2.5	-5.4	-5.4	
18			19.0	20.0	23.3	21.6	17.6	
19			C	C	A	C	E	
20			0	0	0	0	0	
21	02	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	06	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	10	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	14	87.0	1.7	-1.8	0.0	0.4	-1.0	
21	18	87.0	1.7	-1.8	0.0	0.4	-1.0	

1	2	3	4	5	6	7	8	9	10	11	12
MLI32800	MLI	-37.0	-7.6	13.2	1.74	1.24	171	A883	A884	1	
			-7.6	13.2	1.74	1.24	171	A887	A882	2	

			1		2		3		4		5		6	
13			-12.0		-12.0		-8.3		-4.0		-5.1		-10.0	
14			15.0		13.8		11.0		13.4		13.6		15.5	
16	04	63.8	3.1	2.6	3.2	2.7	4.4	3.5	5.1	3.9	5.7	4.3	4.3	3.4
16	08	63.8	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	12	63.8	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	16	63.9	3.0	2.5	3.2	2.7	4.4	3.5	5.1	3.9	5.6	4.2	4.2	3.4
16	20	63.9	2.0	2.1	2.7	2.6	5.4	4.6	2.6	2.5	3.7	3.4	3.5	3.2

17			-12.0	-12.0	-8.3	-4.0	-5.1	-10.0	
18			15.0	13.8	11.0	13.4	13.6	15.5	
19			K	K	N	K	K	K	
20			0	0	0	0	0	0	
21	04	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	08	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	12	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	16	87.0	-2.0	-1.1	-0.7	-0.2	0.5	-1.2	
21	20	87.0	-0.8	0.1	0.4	1.0	1.6	-0.1	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 6

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MTN22300	MTN	-37.0	-12.2	18.5	2.62	1.87	150	A883	A884	1	
			-12.2	18.5	2.62	1.87	150	A887	A882	2	

			1		2		3		4		5		6	
13			-15.7		-12.0		-5.6		-5.2		-12.0		-16.3	
14			24.0		23.4		20.0		15.3		14.4		16.0	
16	22	62.8	7.7	6.7	8.1	6.9	7.7	6.7	0.1	0.7	3.8	3.8	5.6	5.2
16	26	62.9	7.5	6.5	7.9	6.8	7.8	6.7	0.2	0.8	3.8	3.8	5.6	5.2
16	30	62.9	7.5	5.8	7.9	6.0	7.8	6.0	0.2	0.6	3.8	3.5	5.6	4.7
16	34	63.0	7.5	5.8	7.9	6.0	7.8	6.0	0.2	0.6	3.8	3.5	5.6	4.7
16	38	63.0	4.0	3.6	3.6	3.3	5.2	4.4	0.1	0.5	3.8	3.4	5.5	4.6

17			-15.7	-12.0	-5.6	-12.0	-16.3	
18			24.0	23.4	20.0	14.4	16.0	
19			E	A	C	K	K	
20			0	0	0	0	0	
21	22	86.0	0.9	1.6	1.3	2.3	2.0	
21	26	86.0	0.9	1.7	1.3	2.3	2.0	
21	30	86.0	-0.8	-0.1	-0.5	0.5	0.2	
21	34	86.0	-0.8	-0.1	-0.5	0.5	0.2	
21	38	86.0	-0.9	-0.2	-0.6	0.5	0.2	

1	2	3	4	5	6	7	8	9	10	11	12
MTN28800	MTN	-37.0	-7.8	23.4	1.63	1.10	141	A883	A884	1	
			-7.8	23.4	1.63	1.10	141	A887	A882	2	

			1		2		3		4	
13			-5.6		-12.0		-8.4		-4.5	
14			20.0		23.4		27.2		25.0	
16	24	63.0	3.4	3.8	7.5	7.0	5.9	5.8	5.9	5.8
16	28	63.0	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	32	63.1	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	36	63.1	3.5	3.8	7.3	6.7	5.6	5.5	5.8	5.6
16	40	63.2	4.3	5.2	11.6	12.2	8.6	9.4	7.1	8.0

17			-5.6	-12.0	-8.4	-4.5	
18			20.0	23.4	27.2	25.0	
19			C	A	C	A	
20			0	0	0	0	
21	24	86.0	2.7	2.7	2.5	2.8	
21	28	86.0	2.1	2.1	1.9	2.2	
21	32	86.0	2.1	2.1	1.9	2.2	
21	36	86.0	2.1	2.1	1.9	2.2	
21	40	86.0	13.3	13.3	13.2	13.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SEN22200	SEN	-37.0	-14.4	13.8	1.46	1.04	139	A883	A884	2	
			-14.4	13.8	1.46	1.04	139	A887	A882	1	

			1		2		3		4		5		6	
13														
14			-16.5		-15.0		-12.7		-12.0		-16.3		-17.7	
15			16.0		16.3		14.8		12.5		12.7		14.8	
16	29	63.7	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3
16	33	63.8	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3
16	37	63.9	3.2	2.8	3.0	2.6	5.0	4.0	5.0	4.0	6.6	4.9	4.0	3.3
17			-13.4	-16.1	-16.1	-16.2	-16.2	-16.2	-16.6	-15.1	-13.2	-17.3		
18			13.5	15.4	14.1	12.4	14.4	14.2	14.5	15.2	15.4	14.4		
19			K	K	K	N	K	K	N	K	K	N		
20			0	0	0	0	0	0	0	0	0	0		
21	29	85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6		
21	33	85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6		
21	37	85.0	0.6	-0.6	-0.1	-1.7	-0.2	-0.2	-0.6	0.1	-1.3	-1.6		

1	2	3	4	5	6	7	8	9	10	11	12
SMR31100	SMR	-37.0	12.6	43.7	0.60	0.60	0	A883	A884	1	
			12.5	43.9	0.60	0.60	0	A887	A882	2	

			1		2	
13						
14			12.3		12.0	
15			43.5		43.0	
16	01	62.4	0.7	0.9	0.3	0.6
16	05	62.5	0.3	0.5	0.0	0.2
16	09	62.5	0.3	0.5	0.0	0.2
16	13	62.6	0.3	0.5	0.0	0.2
16	17	62.7	0.3	0.5	0.0	0.2
17			12.3	12.0		
18			43.5	43.0		
19			K	K		
20			0	0		
21	01	83.0	0.2	-1.1		
21	05	83.0	-0.7	-2.0		
21	09	83.0	-0.7	-2.0		
21	13	83.0	-0.7	-2.0		
21	17	83.0	-0.7	-2.0		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 8

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AZR13400	POR	-31.0	-23.4	36.1	2.56	0.70	158	A883	A884	2	7.
			-23.4	36.1	2.56	0.70	158	A887	A882	2	

			1		2		3		4		5	
13												
14			-25.1		-31.0		-27.3		-28.5		-16.9	
15			37.0		39.3		38.5		38.5		32.5	
16	03	63.0	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	07	63.1	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	11	63.1	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	15	63.2	-1.4	-0.7	-1.1	-0.4	-1.2	-0.5	-0.8	-0.1	-4.9	-4.0
16	19	63.2	-1.1	-0.3	-0.6	0.2	-0.9	-0.1	-0.4	0.4	-4.7	-3.8
17			-25.1	-31.0	-27.3	-28.5	-16.9					
18			37.0	39.3	38.5	38.5	32.5					
19			F	F	F	F	H					
20			0	0	0	0	0					
21	24	84.0	4.2	1.4	3.1	2.9	1.3					
21	28	84.0	4.2	1.4	3.1	2.9	1.3					
21	32	84.0	4.2	1.4	3.1	2.9	1.3					
21	36	84.0	4.2	1.4	3.1	2.9	1.3					
21	40	84.0	6.8	3.9	5.7	5.4	3.8					

1	2	3	4	5	6	7	8	9	10	11	12
BFA10700	BFA	-31.0	-1.5	12.2	1.45	1.14	29	A883	A884	1	
			-1.5	12.2	1.45	1.14	29	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-5.0		-1.5		2.5		-1.5		-2.5		-5.5	
15			10.0		12.2		13.0		12.2		9.5		12.0	
16	21	64.0	0.7	0.9	4.6	3.9	3.8	3.3	4.6	3.9	2.3	2.2	-0.3	0.1
16	25	64.0	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.7
16	29	64.1	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6
16	33	64.1	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6
16	37	64.2	2.4	2.2	7.1	5.2	5.8	4.5	7.1	5.2	3.8	3.2	1.7	1.6
17			-5.0	-1.5	2.5	-2.5	-5.5							
18			10.0	12.2	13.0	9.5	12.0							
19			N	K	K	N	K							
20			0	0	0	0	0							
21	21	84.0	-1.1	2.2	-0.8	-0.9	-1.3							
21	25	84.0	-1.4	1.8	-1.1	-1.2	-1.6							
21	29	84.0	-1.4	1.8	-1.2	-1.2	-1.7							
21	33	84.0	-1.4	1.8	-1.2	-1.2	-1.7							
21	37	84.0	-1.4	1.8	-1.2	-1.2	-1.7							

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CNR13000	E	-31.0	-15.7	28.4	1.54	0.60	5	A883	A884	2	
			-15.7	28.4	1.54	0.60	5	A887	A882	1	

			1		2		3		4		5		6	
			-18.0		-13.9		-13.5		-15.4		-16.2		-18.1	
			28.7		28.0		29.2		28.1		28.4		27.7	
23	62.8	-3.9	-3.1	-7.6	-6.7	-12.4	-11.4	-4.2	-3.4	-3.3	-2.5	-3.7	-2.9	
27	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9	
31	62.9	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9	
35	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4	-3.7	-2.9	
39	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.2	-3.4	-3.2	-2.4	-3.7	-2.9	

		-18.0	-13.9	-13.5	-15.4	-16.2	-18.1	
		28.7	28.0	29.2	28.1	28.4	27.7	
		E	E	E	E	E	E	
		0	0	0	0	0	0	
23	84.0	1.1	1.2	1.2	1.9	2.7	1.3	
27	84.0	1.1	1.2	1.2	1.9	2.7	1.3	
31	84.0	1.1	1.2	1.2	1.9	2.7	1.3	
35	84.0	1.1	1.2	1.2	1.9	2.7	1.3	
39	84.0	1.1	1.2	1.2	1.9	2.7	1.2	

1	2	3	4	5	6	7	8	9	10	11	12
CTI23700	CTI	-31.0	-5.6	7.5	1.60	1.22	108	A883	A884	2	
			-5.8	7.4	1.55	1.43	162	A887	A882	1	

			1		2		3		4		5		6	
			-7.7		-8.7		-8.0		-6.3		-3.5		-2.5	
			4.4		6.4		10.1		10.7		9.8		8.1	
22	63.7	5.2	4.3	3.3	3.0	-0.1	0.2	0.0	0.3	-0.5	-0.1	-0.4	0.0	
26	63.7	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1	
30	63.8	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1	
34	63.9	5.2	4.3	3.3	3.0	0.0	0.3	0.0	0.3	-0.5	-0.1	-0.3	0.1	
38	63.9	5.2	4.3	3.3	3.0	-0.1	0.2	0.0	0.3	-0.5	-0.1	-0.3	0.1	

		-4.0	-3.5	-2.6	-5.0	-6.5	-5.3	-6.6	-7.6	-7.6	-5.6
		5.3	6.7	8.0	7.7	7.7	6.9	4.7	7.4	9.5	9.5
		P	P	N	N	N	N	P	P	N	N
		0	0	0	0	0	0	0	0	0	0
22	84.0	-0.9	-0.2	-1.0	0.9	1.0	1.0	-1.2	0.3	-0.9	-0.4
26	84.0	-0.9	-0.2	-1.0	0.9	1.0	1.0	-1.2	0.3	-0.9	-0.4
30	84.0	-0.9	-0.2	-1.0	0.9	1.0	0.9	-1.2	0.3	-0.9	-0.4
34	84.0	-0.9	-0.2	-1.0	0.9	1.0	0.9	-1.2	0.3	-0.9	-0.4
38	84.0	-0.9	-0.2	-1.0	0.9	1.0	0.9	-1.2	0.3	-0.9	-0.4

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 10

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
E 12900	E	-31.0	-3.1	39.9	2.10	1.14	154	A883	A884	2	
			-3.1	39.9	2.10	1.14	154	A887	A882	1	

			1		2		3		4		5		6	
			3.3		4.3		-2.9		-7.4		-0.6		-7.6	
			42.3		39.8		35.3		37.1		37.6		43.7	
23	63.9	-5.2	-4.3	-5.4	-4.5	-7.3	-6.4	-3.0	-2.2	-1.5	-0.8	-2.8	-2.0	
27	64.0	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0	
31	64.0	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0	
35	64.1	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.3	-0.7	-2.7	-2.0	
39	64.2	-3.5	-2.8	-4.8	-4.0	-7.3	-6.4	-3.0	-2.3	-1.4	-0.8	-2.7	-2.0	

		3.3	4.3	-2.9	-7.4	-0.6	-7.6	
		42.3	39.8	35.3	37.1	37.6	43.7	
		K	K	K	K	K	E	
		0	0	0	0	0	0	
01	84.0	0.7	1.0	1.0	1.0	3.2	1.6	
05	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3	
09	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3	
13	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3	
17	84.0	-0.5	-0.2	-0.2	-0.3	1.9	0.3	

1	2	3	4	5	6	7	8	9	10	11	12
G 02700	G	-31.0	-3.5	53.8	1.84	0.72	142	A883	A884	1	
			-3.5	53.8	1.84	0.72	142	A887	A882	2	

			1		2		3		4		5		6	
			1.3		-2.0		1.7		-6.3		-8.1		-0.8	
			51.1		49.1		52.4		49.9		54.4		60.8	
04	65.0	3.0	3.3	3.4	3.7	3.9	4.1	3.7	3.9	7.6	6.9	8.1	7.2	
08	65.1	3.0	3.3	3.4	3.7	3.8	4.0	3.7	3.9	7.5	6.8	8.1	7.2	
12	65.1	2.8	3.2	3.4	3.7	3.2	3.5	3.7	3.9	7.5	6.8	6.3	6.0	
16	65.2	2.8	3.2	3.4	3.7	3.2	3.5	3.7	3.9	7.6	6.9	6.3	6.0	
20	65.2	2.6	3.0	3.5	3.8	3.0	3.4	3.9	4.1	7.0	6.6	5.6	5.5	

		-1.3	-6.9	-7.3	-5.7	-2.1	1.3	1.8	-0.1	-2.2	-4.3
		60.3	57.8	55.0	50.1	49.3	51.1	52.6	51.5	53.5	55.9
		G	G	H	F	F	E	E	E	F	H
		0	0	0	0	0	0	0	0	0	0
04	84.0	2.3	2.9	3.2	2.3	3.4	2.1	1.8	3.4	4.8	4.8
08	84.0	2.3	2.9	3.2	2.3	3.4	2.1	1.8	3.4	4.8	4.8
12	84.0	2.3	2.9	3.2	2.3	3.4	2.1	1.8	3.4	4.8	4.8
16	84.0	2.3	2.9	3.2	2.3	3.4	2.1	1.8	3.4	4.8	4.8
20	84.0	2.6	3.2	3.5	2.6	3.7	2.4	2.1	3.7	5.1	5.1

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GNB30400	GNB	-31.0	-15.0	12.0	0.90	0.60	172	A883	A884	2	
			-15.0	12.0	0.90	0.60	172	A887	A882	1	

			1		2		3		4		5	
14			-16.3		-15.2		-14.2		-14.2		-15.7	
15			11.8		11.5		12.3		12.3		11.2	
16	02	63.2	2.7	3.3	3.2	3.8	2.3	3.0	2.3	3.0	2.4	3.0
16	06	63.2	2.6	3.2	3.1	3.7	2.2	2.9	2.2	2.9	2.4	3.0
16	10	63.2	2.6	3.2	3.1	3.7	2.2	2.9	2.2	2.9	2.4	3.0
16	14	63.3	2.6	3.2	3.2	3.8	2.2	2.9	2.2	2.9	2.4	3.0
16	18	63.3	2.9	3.6	3.4	4.1	2.5	3.2	2.5	3.2	2.7	3.4
17			-15.0									
18			12.0									
19			K									
20			0									
21	02	84.0	4.1									
21	06	84.0	4.1									
21	10	84.0	4.1									
21	14	84.0	4.1									
21	18	84.0	5.2									

1	2	3	4	5	6	7	8	9	10	11	12
ISL04900	ISL	-31.0	-19.0	64.9	1.00	0.60	177	A883	A884	2	
			-19.0	64.9	1.00	0.60	177	A887	A882	1	

			1		2		3		4		5		6	
14			-23.0		-16.0		-13.5		-18.8		-22.7		-24.3	
15			66.5		66.5		65.1		63.4		63.8		65.5	
16	21	65.8	8.5	6.3	9.3	6.7	7.4	5.8	9.7	6.9	9.3	6.7	8.1	6.1
16	25	65.9	9.3	7.2	10.5	7.8	8.9	7.0	10.7	7.9	10.1	7.6	9.0	7.1
16	29	65.9	9.3	7.2	10.5	7.8	8.9	7.0	10.7	7.9	10.1	7.6	9.0	7.1
16	33	66.0	9.3	7.2	10.5	7.8	9.0	7.1	10.7	7.9	10.1	7.6	9.0	7.1
16	37	66.0	9.3	7.2	10.4	7.7	8.8	7.0	10.7	7.9	10.1	7.6	9.0	7.1
17			-21.8	-22.4	-23.5	-20.3	-18.1	-15.3	-14.4	-15.2	-19.1	-19.6		
18			64.2	65.1	66.1	65.7	65.7	66.3	65.3	64.3	63.4	64.9		
19			E	G	G	E	E	E	G	G	E	G		
20			0	0	0	0	0	0	0	0	0	0		
21	21	82.0	1.0	0.5	-0.8	1.5	1.7	0.6	-0.1	0.0	1.0	2.2		
21	25	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		
21	29	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		
21	33	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		
21	37	82.0	2.0	1.5	0.2	2.4	2.6	1.5	0.9	1.0	2.0	3.2		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRL21100	IRL	-31.0	-8.2	53.2	0.84	0.60	162	A883	A884	1	
			-8.2	53.2	0.84	0.60	162	A887	A882	2	

			1		2		3		4		5		6	
14			-7.3		-6.0		-10.3		-9.8		-6.2		-5.5	
15			55.4		53.3		54.3		51.3		52.2		54.3	
16	02	64.2	8.3	6.8	7.7	6.5	9.3	7.3	8.7	7.0	7.1	6.1	6.9	6.0
16	06	64.3	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8	5.9
16	10	64.4	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8	5.9
16	14	64.4	6.1	5.4	6.2	5.5	8.2	6.7	8.3	6.8	6.0	5.4	5.0	4.7
16	18	64.5	6.2	5.5	6.3	5.6	8.4	6.9	8.6	7.0	6.1	5.5	5.1	4.8
17			-7.3	-6.0	-10.3	-9.8	-6.2	-5.5	-9.7	-8.1	-8.9			
18			55.4	53.3	54.3	51.3	52.2	54.3	53.1	51.8	52.7			
19			H	H	H	H	H	H	H	H	F			
20			0	0	0	0	0	0	0	0	0			
21	02	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	06	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	10	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	14	84.0	0.5	1.8	0.8	0.4	1.0	1.0	2.6	1.9	3.2			
21	18	84.0	0.6	1.9	0.9	0.5	1.1	1.1	2.8	2.1	3.3			

1	2	3	4	5	6	7	8	9	10	11	12
LBR24400	LBR	-31.0	-9.3	6.6	1.22	0.70	133	A883	A884	1	
			-9.3	6.6	1.22	0.70	133	A887	A882	2	

			1		2		3		4		5		6	
14			-10.2		-8.6		-7.4		-7.4		-9.8		-11.5	
15			8.5		7.6		5.7		4.5		5.1		6.9	
16	03	63.3	3.8	3.5	4.3	3.9	5.8	4.9	5.5	4.7	5.5	4.7	4.2	3.8
16	07	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.4	4.6	5.4	4.6	4.1	3.7
16	11	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.4	4.6	5.4	4.6	4.2	3.8
16	15	63.4	3.8	3.5	4.3	3.9	5.8	4.9	5.4	4.6	5.4	4.6	4.2	3.8
17			-10.2	-8.6	-7.4	-7.4	-9.8	-11.5						
18			8.5	7.6	5.7	4.5	5.1	6.9						
19			N	N	P	P	N	N						
20			0	0	0	0	0	0						
21	03	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						
21	07	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						
21	11	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						
21	15	84.0	0.7	0.4	0.9	0.0	-0.4	-0.6						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
POR13300	POR	-31.0	-8.0	39.6	0.92	0.60	112	A883	A884	2	
			-8.0	39.6	0.92	0.60	112	A887	A882	1	

13			1		2		3		4		
14			-8.3		-6.2		-7.0		-7.5		
15			42.1		41.6		39.0		37.2		
16	03	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	
16	07	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	
16	11	63.5	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	
16	15	63.6	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	
16	19	63.6	-3.6	-2.7	-3.9	-3.0	-5.4	-4.5	-13.8	-12.8	
17			-8.3		-6.2		-7.0				
18			42.1		41.6		39.0				
19			H		H		K				
20			0		0		0				
21	03	84.0	-0.1		-0.9		1.2				
21	07	84.0	-0.1		-0.9		1.2				
21	11	84.0	-0.1		-0.9		1.2				
21	15	84.0	-0.1		-0.9		1.2				
21	19	84.0	3.4		2.6		4.6				

1	2	3	4	5	6	7	8	9	10	11	12
SRL25900	SRL	-31.0	-11.8	8.6	0.78	0.68	114	A883	A884	1	
			-11.8	8.6	0.78	0.68	114	A887	A882	2	

13			1		2		3		4		
14			-13.2		-11.7		-11.7		-10.5		
15			8.5		7.0		10.0		8.5		
16	23	63.4	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2	
16	27	63.5	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2	
16	31	63.6	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2	
16	35	63.6	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2	
16	39	63.7	3.4	3.4	2.8	2.9	2.6	2.7	2.0	2.2	
17			-13.2		-11.7		-11.7		-10.5		
18			8.5		7.0		10.0		8.5		
19			N		N		N		N		
20			0		0		0		0		
21	23	84.0	0.5		0.2		0.9		0.9		
21	27	84.0	0.5		0.2		0.9		0.9		
21	31	84.0	0.5		0.2		0.9		0.9		
21	35	84.0	0.5		0.2		0.9		0.9		
21	39	84.0	0.5		0.2		0.9		0.9		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ALG25100	ALG	-25.0	4.2	33.2	2.45	1.25	172	A883	A884	1	
			1.5	27.6	3.65	2.94	135	A887	A882	2	

13			1		2		3		4		5		6			
14			-2.2		-1.0		3.0		9.0		9.0		9.5			
15			35.0		36.0		36.0		37.0		35.5		30.0			
16	02	63.4	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.7	3.3	0.4	0.7		
16	06	63.4	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7		
16	10	63.5	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7		
16	14	63.6	3.7	3.3	3.7	3.3	4.3	3.7	2.3	2.2	3.8	3.3	0.4	0.7		
16	18	63.6	3.7	3.3	3.7	3.3	4.3	3.7	2.2	2.1	3.8	3.3	0.4	0.7		
17			3.0	5.4	-2.2	8.5	-8.2	11.0	-0.4	6.4	3.4	9.2				
18			37.0	19.3	35.0	37.0	27.4	24.0	36.0	36.2	32.3	30.1				
19			K	C	K	K	C	A	K	K	E	C				
20			0	0	0	0	0	0	0	0	0	0				
21	02	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.4	-0.6	0.9	0.2				
21	06	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.4	-0.6	0.9	0.2				
21	10	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.4	-0.6	0.9	0.2				
21	14	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.4	-0.6	0.9	0.2				
21	18	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.4	-0.6	0.9	0.2				

1	2	3	4	5	6	7	8	9	10	11	12
ALG25200	ALG	-25.0	1.6	25.5	3.64	2.16	152	A883	A884	1	
			1.5	27.6	3.65	2.94	135	A887	A882	2	

13			1		2		3		4		5		6			
14			9.5		12.0		5.0		1.6		-5.0		-9.0			
15			30.0		23.0		19.0		25.5		25.0		27.5			
16	04	62.8	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.4	6.9	10.3	6.9		
16	08	62.8	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.4	6.9	10.3	6.9		
16	12	62.9	3.7	3.3	3.8	3.3	5.4	4.4	11.0	7.1	10.5	6.9	10.3	6.9		
16	16	63.0	3.7	3.3	3.8	3.3	5.4	4.4	11.1	7.1	10.5	6.9	10.3	6.9		
16	20	63.0	4.2	4.1	4.7	4.5	4.9	4.7	10.3	8.0	7.3	6.4	4.2	4.1		
17			3.0	5.4	-2.2	8.5	-8.2	11.0	-0.4	6.4	3.4	9.2				
18			37.0	19.3	35.0	37.0	27.4	24.0	36.0	36.2	32.3	30.1				
19			K	C	K	K	C	A	K	K	E	C				
20			0	0	0	0	0	0	0	0	0	0				
21	04	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.1				
21	08	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.1				
21	12	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.1				
21	16	84.0	-0.7	-0.9	-0.3	-1.2	-0.8	-1.0	-0.5	-0.6	0.9	0.1				
21	20	84.0	1.3	1.0	1.6	0.8	1.2	1.0	1.5	1.4	2.8	2.1				

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LBY28000	LBY	-25.0	21.4	26.0	2.50	1.04	119	A883	A884	2	
			17.5	26.3	3.68	1.84	130	A887	A882	1	

			1		2		3		4		5		6	
13														
14			18.0		24.0		25.0		25.2		22.0		20.0	
15			22.5		19.5		20.0		32.0		33.0		32.5	
16	01	63.5	5.7	5.3	6.0	5.5	6.7	6.0	4.9	4.7	4.7	4.6	5.7	5.3
16	05	63.5	4.2	3.7	4.8	4.1	5.3	4.5	3.9	3.5	3.8	3.4	4.5	3.9
16	09	63.6	4.2	3.7	4.8	4.1	5.4	4.5	3.9	3.5	3.8	3.4	4.6	4.0
16	13	63.6	4.2	3.7	4.8	4.1	5.4	4.5	3.9	3.5	3.8	3.4	4.6	4.0
16	17	63.7	4.3	3.8	4.9	4.2	5.5	4.6	4.0	3.6	3.9	3.5	4.6	4.0

17			25.0	24.5	23.6	17.2	12.3	10.1	9.6	11.5	15.1	21.4		
18			31.5	26.3	18.5	21.4	22.4	24.5	30.2	33.0	32.2	32.4		
19			E	C	C	A	A	A	C	E	E	E		
20			0	0	0	0	0	0	0	0	0	0		
21	01	84.0	1.0	2.3	1.2	2.8	1.7	1.3	1.6	1.6	2.6	1.8		
21	05	84.0	-0.9	0.3	-0.8	0.9	-0.3	-0.6	-0.3	-0.3	0.6	-0.1		
21	09	84.0	-0.9	0.3	-0.8	0.9	-0.3	-0.6	-0.3	-0.3	0.6	-0.1		
21	13	84.0	-0.9	0.4	-0.7	0.9	-0.3	-0.6	-0.3	-0.3	0.6	-0.1		
21	17	84.0	-0.9	0.4	-0.7	0.9	-0.3	-0.6	-0.3	-0.3	0.6	-0.1		

1	2	3	4	5	6	7	8	9	10	11	12
LBY32100	LBY	-25.0	13.1	27.2	2.36	1.12	129	A883	A884	2	
			17.5	26.3	3.68	1.84	130	A887	A882	1	

			1		2		3		4		5		6	
13														
14			18.0		14.0		10.0		9.2		9.2		11.4	
15			22.5		22.5		24.5		26.5		30.0		33.5	
16	03	63.0	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	07	63.1	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	11	63.1	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	15	63.2	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.2	2.4
16	19	63.3	4.3	4.0	4.8	4.4	4.0	3.8	4.0	3.8	3.5	3.4	2.4	2.5

17			25.0	24.5	23.6	17.2	12.3	10.1	9.6	11.5	15.1	21.4		
18			31.5	26.3	18.5	21.4	22.4	24.5	30.2	33.0	32.2	32.4		
19			E	C	C	A	A	A	C	E	E	E		
20			0	0	0	0	0	0	0	0	0	0		
21	03	84.0	0.0	1.3	0.2	1.8	0.7	0.3	0.6	0.6	1.6	0.9		
21	07	84.0	0.0	1.3	0.2	1.8	0.7	0.3	0.6	0.6	1.6	0.9		
21	11	84.0	0.0	1.3	0.2	1.8	0.7	0.3	0.6	0.6	1.6	0.9		
21	15	84.0	0.0	1.3	0.2	1.8	0.7	0.3	0.6	0.6	1.6	0.9		
21	19	84.0	0.0	1.3	0.2	1.8	0.7	0.3	0.6	0.7	1.6	0.9		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GHA10800	GHA	-25.0	-1.2	7.9	1.48	1.06	102	A883	A884	1	
			-1.2	7.9	1.48	1.06	102	A887	A882	1	

			1		2		3		4		5		6	
13														
14			-2.9		-3.3		1.2		0.1		-1.4		-3.0	
15			11.0		6.6		6.1		11.0		7.4		5.1	
16	23	63.6	4.2	4.5	6.1	6.1	3.7	4.1	2.8	3.3	7.0	6.8	5.6	5.7
16	27	63.7	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	31	63.7	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	35	63.8	4.2	4.5	6.0	6.0	3.6	4.0	2.7	3.2	7.0	6.8	5.6	5.7
16	39	63.8	4.1	4.5	5.7	5.8	3.5	3.9	2.7	3.2	6.8	6.7	5.2	5.4

17			-2.9	-3.3	1.2	0.1	-1.4	-3.0						
18			11.0	6.6	6.1	11.0	7.4	5.1						
19			N	P	N	K	P	N						
20			0	0	0	0	0	0						
21	23	83.0	3.4	4.0	3.7	3.5	6.8	3.1						
21	27	83.0	3.4	4.0	3.7	3.5	6.8	3.1						
21	31	83.0	3.4	4.0	3.7	3.5	6.8	3.1						
21	35	83.0	3.4	4.0	3.7	3.5	6.8	3.1						
21	39	83.0	3.4	4.0	3.7	3.5	6.8	3.1						

1	2	3	4	5	6	7	8	9	10	11	12
NGR11500	NGR	-25.0	8.3	16.8	2.54	2.08	44	A883	A884	2	
			8.3	16.8	2.54	2.08	44	A887	A882	2	

			1		2		3		4		5		6	
13														
14			2.1		4.2		12.0		15.6		13.0		8.0	
15			13.5		19.1		23.5		20.0		13.0		17.0	
16	24	64.5	7.5	7.7	8.4	8.4	8.0	8.1	6.8	7.1	4.1	4.7	11.8	10.9
16	28	64.5	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	32	64.6	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	36	64.7	7.5	7.7	8.5	8.5	8.1	8.2	6.9	7.2	4.1	4.7	11.9	11.0
16	40	64.7	9.9	9.6	10.1	9.8	9.7	9.5	7.8	8.0	4.7	5.3	14.4	12.4

17			2.1	4.2	12.0	15.6	13.0	8.0						
18			13.5	19.1	23.5	20.0	13.0	17.0						
19			K	C	A	C	K	C						
20			0	0	0	0	0	0						
21	24	85.0	6.9	6.9	5.7	6.8	5.5	9.0						
21	28	85.0	6.9	6.9	5.7	6.8	5.5	9.0						
21	32	85.0	6.9	6.9	5.7	6.8	5.5	9.0						
21	36	85.0	6.9	6.9	5.7	6.8	5.5	9.0						
21	40	85.0	7.0	6.9	5.7	6.9	5.5	9.1						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 17

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TUN15000	TUN	-25.0	9.5	33.5	1.88	0.72	135	A883	A884	1	
			9.5	33.5	1.88	0.72	135	A887	A882	2	

			1		2		3		4		5		6	
13														
14			9.0		12.0		7.0		10.0		7.0		12.0	
15			38.0		37.5		34.0		29.0		36.0		32.0	
16	22	63.8	5.2	5.9	3.6	4.4	8.1	8.5	6.3	6.9	7.3	7.8	9.5	9.7
16	26	63.9	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
16	30	63.9	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
16	34	64.0	5.3	6.0	4.4	5.2	8.4	8.8	6.3	6.9	7.7	8.2	9.8	10.0
17			9.0	12.0	7.0	10.0	7.0	12.0						
18			38.0	37.5	34.0	29.0	36.0	32.0						
19			K	K	E	C	K	E						
20			0	0	0	0	0	0						
21	22	84.0	10.6	7.7	12.2	9.9	12.3	12.6						
21	26	84.0	10.6	7.7	12.2	9.9	12.4	12.6						
21	30	84.0	10.6	7.7	12.2	9.9	12.4	12.6						
21	34	84.0	10.6	7.7	12.2	9.9	12.4	12.6						

1	2	3	4	5	6	7	8	9	10	11	12
TUN27200	TUN	-25.0	2.5	32.0	3.59	1.75	175	A883	A884	1	
			2.5	32.0	3.59	1.75	175	A887	A882	2	

			1		2		3		4		5		6	
13														
14			-10.0		-5.0		10.0		15.0		10.0		-5.0	
15			30.0		36.0		38.0		33.0		28.0		29.5	
16	38	61.9	-1.1	-0.2	2.6	3.3	3.5	4.2	7.1	7.4	4.3	4.9	1.3	2.1
17			-10.0	-5.0	10.0	15.0	10.0	-5.0						
18			30.0	36.0	38.0	33.0	28.0	29.5						
19			E	K	K	E	C	C						
20			0	0	0	0	0	0						
21	38	84.0	6.1	6.6	5.6	7.0	6.4	7.8						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUT01600	AUT	-19.0	12.2	47.5	1.14	0.63	166	A883	A884	2	
			12.2	47.5	1.14	0.63	166	A887	A882	1	

			1		2		3		4		5		6	
13														
14			17.1		15.0		13.0		9.4		10.9		14.6	
15			48.0		49.0		48.2		47.2		46.7		46.4	
16	04	64.1	0.1	0.2	0.2	0.3	1.5	1.3	0.2	0.3	1.1	1.0	1.2	1.1
16	08	64.2	0.1	0.2	0.2	0.3	1.5	1.3	0.1	0.2	1.1	1.0	1.2	1.1
16	12	64.2	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.5	1.3	1.6	1.4
16	16	64.3	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.5	1.3	1.6	1.4
16	20	64.3	0.8	0.9	1.3	1.3	2.5	2.2	0.7	0.8	1.7	1.6	1.7	1.6
17			9.6	17.1	15.1	14.7	16.0	13.9	9.5	14.5	16.4	12.2		
18			47.2	48.1	49.0	46.5	46.7	48.8	47.0	48.0	48.1	47.5		
19			H	K	H	K	K	H	H	H	K	H		
20			0	0	0	0	0	0	0	0	0	0		
21	04	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	08	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	12	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	16	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8	0.7		
21	20	84.0	0.1	-1.8	-1.4	-0.6	-1.5	-0.8	-0.1	0.3	-1.2	1.2		

1	2	3	4	5	6	7	8	9	10	11	12
BEL01800	BEL	-19.0	4.6	50.6	0.82	0.60	167	A883	A884	1	
			4.6	50.6	0.82	0.60	167	A887	A882	2	

			1		2		3		4		5		6	
13														
14			2.5		3.4		4.8		5.8		6.4		5.6	
15			51.0		51.4		51.5		51.2		50.3		49.5	
16	21	64.2	4.7	4.9	4.6	4.8	3.7	4.0	2.5	3.0	0.5	1.2	1.0	1.6
16	25	64.1	1.4	2.0	1.6	2.2	1.2	1.8	0.5	1.2	-1.0	-0.2	-0.7	0.0
16	29	63.5	0.8	1.4	0.9	1.5	0.5	1.2	-0.1	0.6	-1.6	-0.8	-1.3	-0.5
16	33	63.9	1.1	1.7	1.3	1.9	0.9	1.5	0.2	0.9	-1.3	-0.5	-1.0	-0.2
16	37	64.4	1.5	2.1	1.7	2.3	1.3	1.9	0.6	1.3	-0.8	0.0	-0.5	0.2
17			2.5	3.4	4.8	5.8	6.4	5.6						
18			51.0	51.4	51.5	51.2	50.3	49.5						
19			E	E	E	E	E	E						
20			0	0	0	0	0	0						
21	21	84.0	2.4	3.0	3.4	3.7	3.0	2.6						
21	25	84.0	2.5	3.1	3.5	3.8	3.1	2.7						
21	29	84.0	2.5	3.1	3.5	3.8	3.1	2.7						
21	33	84.0	2.5	3.1	3.5	3.8	3.1	2.7						
21	37	84.0	2.5	3.1	3.5	3.8	3.1	2.7						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BEN23300	BEN	-19.0	2.2	9.5	1.44	0.68	97	A883	A884	2	
			2.2	9.5	1.44	0.68	97	A887	A882	1	

			1		2		3		4		5		6	
13														
14			2.2		2.0		2.3		3.4		1.0		3.2	
15			6.2		7.1		9.2		10.5		10.4		11.5	
16	03	63.3	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	07	63.3	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	11	63.4	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	15	63.4	2.9	2.8	3.6	3.4	5.3	4.6	4.9	4.3	3.1	3.0	5.2	4.5
16	19	63.4	1.9	2.0	3.7	3.4	5.4	4.6	5.0	4.4	3.2	3.1	5.2	4.5

17			2.2		2.0		2.3		3.4		1.0		3.2	
18			6.2		7.1		9.2		10.5		10.4		11.5	
19			N		P		N		K		N		K	
20			0		0		0		0		0		0	
21	03	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	07	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	11	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	15	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	
21	19	84.0	-0.5		0.7		2.7		-0.6		-0.2		-0.2	

1	2	3	4	5	6	7	8	9	10	11	12
D 08700	D	-19.0	9.6	49.9	1.62	0.72	147	A883	A884	2	9.
			9.6	49.9	1.62	0.72	147	A887	A882	1	

			1		2		3		4		5		6	
13														
14			13.2		7.0		5.9		7.8		13.8		10.0	
15			52.5		53.7		50.7		47.6		49.0		54.8	
16	02	65.5	1.7	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.2	0.5
16	06	65.6	1.6	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.1	0.4
16	10	65.6	1.7	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4	1.1	0.4
16	14	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4	0.0	-0.3
16	18	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4	0.0	-0.3

17			13.2		7.0		5.9		7.8		13.8		10.0	
18			52.5		53.7		50.7		47.6		49.0		54.8	
19			E		E		E		H		H		E	
20			0		0		0		0		0		0	
21	02	84.0	-4.6		-3.1		-2.6		-3.2		-3.0		-3.8	
21	06	84.0	-4.6		-3.1		-2.6		-3.2		-3.0		-3.8	
21	10	84.0	-4.6		-3.1		-2.6		-3.2		-3.0		-3.8	
21	14	84.0	-4.6		-3.1		-2.6		-3.2		-3.0		-3.8	
21	18	84.0	-4.6		-3.1		-2.6		-3.2		-3.0		-3.8	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
F 09300	F	-19.0	2.6	45.9	2.50	0.98	160	A883	A884	1	
			2.6	45.9	2.50	0.98	160	A887	A882	2	

			1		2		3		4		5		6	
13														
14			2.5		8.1		9.5		3.0		-1.9		-4.5	
15			51.2		49.1		41.2		42.5		43.3		48.5	
16	01	63.8	4.4	4.2	1.8	2.1	-1.1	-0.5	6.0	5.3	8.0	6.5	9.3	7.2
16	05	63.8	2.7	2.3	0.1	0.3	-1.8	-1.4	4.0	3.2	5.1	3.9	6.0	4.4
16	09	63.9	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9	6.1	4.4
16	13	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9	6.1	4.4
16	17	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.1	3.2	5.1	3.9	6.1	4.4

17			2.5		8.1		9.5		3.0		-1.9		-4.5	
18			51.2		49.1		41.2		42.5		43.3		48.5	
19			E		H		K		K		H		H	
20			0		0		0		0		0		0	
21	01	84.0	0.4		0.2		0.5		2.0		0.7		2.1	
21	05	84.0	-1.9		-2.2		-1.8		-0.3		-1.6		-0.3	
21	09	84.0	-1.9		-2.2		-1.8		-0.3		-1.6		-0.3	
21	13	84.0	-1.9		-2.2		-1.8		-0.3		-1.6		-0.3	
21	17	84.0	-1.9		-2.2		-1.8		-0.3		-1.6		-0.3	

1	2	3	4	5	6	7	8	9	10	11	12
GNE30300	GNE	-19.0	10.3	1.5	0.68	0.60	10	A883	A884	2	
			10.3	1.5	0.68	0.60	10	A887	A882	1	

			1		2		3		4		5	
13												
14			9.6		11.3		11.3		9.8		11.3	
15			1.2		1.2		2.4		2.4		1.8	
16	23	63.8	2.3	2.9	0.7	1.4	0.1	0.9	1.3	2.0	0.9	1.6
16	27	63.8	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	31	63.9	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	35	63.9	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6
16	39	64.0	2.3	2.9	0.6	1.3	0.1	0.9	1.3	2.0	0.9	1.6

17			9.6		11.3		11.3		9.8		11.3
18			1.2		1.2		2.4		2.4		1.8
19			P		P		P		P		P
20			0		0		0		0		0
21	23	84.0	6.1		5.2		3.8		4.1		5.3
21	27	84.0	6.1		5.2		3.8		4.1		5.3
21	31	84.0	6.1		5.2		3.8		4.1		5.3
21	35	84.0	6.1		5.2		3.8		4.1		5.3
21	39	84.0	6.1		5.2		3.8		4.1		5.3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
HOL21300	HOL	-19.0	5.4	52.0	0.76	0.60	171	A883	A884	1	
			5.4	52.0	0.76	0.60	171	A887	A882	2	

			1		2		3		4		5		6	
13														
14			3.1		6.2		7.2		7.3		6.6		5.1	
15			51.2		50.6		52.2		53.3		53.7		53.4	
16	23	64.4	1.5	1.8	-0.2	0.3	1.4	1.8	2.1	2.4	2.3	2.5	2.3	2.5
16	27	64.5	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6
16	31	64.6	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6
16	35	64.6	2.1	2.4	0.5	1.0	1.8	2.1	2.2	2.4	2.3	2.5	2.5	2.7
16	39	64.7	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.4	2.2	2.4	2.4	2.6

			3.1	6.2	7.2	7.3	6.6	5.1
17								
18			51.2	50.6	52.2	53.3	53.7	53.4
19			E	E	E	E	E	E
20			0	0	0	0	0	0
21	23	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	27	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	31	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	35	84.0	1.0	0.4	1.7	1.1	0.7	1.0
21	39	84.0	1.0	0.4	1.7	1.1	0.7	1.0

1	2	3	4	5	6	7	8	9	10	11	12
I 08200	I	-19.0	12.3	41.3	2.38	0.98	137	A883	A884	2	
			12.3	41.3	2.38	0.98	137	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.6		8.2		6.6		8.3		13.7		18.6	
15			35.4		39.0		45.1		46.5		46.5		40.0	
16	24	64.1	3.2	3.3	6.2	5.6	3.9	3.9	3.6	3.7	4.1	4.1	4.5	4.4
16	28	64.2	3.3	3.4	6.1	5.6	4.3	4.2	4.0	4.0	4.3	4.2	4.7	4.5
16	32	64.2	3.3	3.4	6.1	5.6	4.3	4.2	4.0	4.0	4.3	4.2	4.7	4.5
16	36	64.3	3.3	3.4	6.1	5.6	4.0	4.0	3.5	3.6	4.0	4.0	4.7	4.5
16	40	64.3	3.8	4.2	9.0	8.2	6.6	6.5	5.5	5.6	6.0	6.0	6.4	6.3

			12.6	8.2	6.6	8.3	13.7	18.6
17								
18			35.4	39.0	45.1	46.5	46.5	40.0
19			E	K	L	H	K	L
20			0	0	0	0	0	0
21	24	84.0	1.6	0.8	1.3	2.1	2.2	1.0
21	28	84.0	1.6	0.8	1.3	2.1	2.2	1.0
21	32	84.0	1.6	0.8	1.3	2.1	2.2	1.0
21	36	84.0	1.6	0.8	1.3	2.0	2.2	1.0
21	40	84.0	3.6	2.8	3.3	4.0	4.2	2.9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LUX11400	LUX	-19.0	6.0	49.8	0.68	0.68	0	A883	A884	1	
			6.0	49.8	0.68	0.68	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			6.0		3.9		4.8		7.0		6.5		6.0	
15			49.7		49.5		47.6		48.5		49.8		50.1	
16	03	62.9	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	07	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	11	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	15	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1
16	19	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7	1.1	1.1

			6.0	3.9	4.8	7.0	6.5	6.0
17								
18			49.7	49.5	47.6	48.5	49.8	50.1
19			E	H	H	H	E	E
20			0	0	0	0	0	0
21	03	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	07	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	11	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	15	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2
21	19	84.0	1.2	-1.4	-1.7	-1.9	1.2	1.2

1	2	3	4	5	6	7	8	9	10	11	12
SUI14000	SUI	-19.0	8.2	46.6	0.98	0.70	171	A883	A884	2	9.
			8.2	46.6	0.98	0.70	171	A887	A882	1	

			1		2		3		4		5		6	
13														
14			6.0		6.9		8.5		10.4		9.0		7.1	
15			46.1		47.3		47.8		46.9		45.7		45.9	
16	22	64.1	1.8	2.4	1.4	2.0	1.5	2.1	1.5	2.1	2.0	2.5	2.3	2.8
16	26	64.1	1.8	2.4	1.5	2.1	1.6	2.2	1.5	2.1	2.0	2.5	2.3	2.8
16	30	64.2	1.9	2.4	1.6	2.2	1.7	2.3	1.6	2.2	2.1	2.6	2.4	2.9
16	34	64.3	2.3	2.8	2.2	2.7	2.2	2.7	1.8	2.4	2.2	2.7	2.7	3.2
16	38	64.3	2.2	2.7	2.2	2.7	2.5	3.0	2.1	2.6	2.4	2.9	2.7	3.2

			6.0	6.9	8.5	10.4	9.0	7.1
17								
18			46.1	47.3	47.8	46.9	45.7	45.9
19			H	H	H	H	K	H
20			0	0	0	0	0	0
21	22	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	26	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	30	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	34	84.0	2.5	2.6	2.5	2.5	2.7	3.1
21	38	84.0	2.5	2.6	2.5	2.6	2.7	3.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 23

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ZAI32200	ZAI	-19.0	22.4	0.0	2.16	1.88	48	A883	A884	1	
			22.4	0.0	2.16	1.88	48	A887	A882	2	

			1		2		3		4		5		6	
13														
14			27.5		31.5		21.5		24.0		16.0		19.5	
15			3.0		2.2		-3.5		-4.0		-2.0		5.0	
16	04	64.8	10.0	3.0	7.1	2.4	10.6	3.1	10.6	3.1	4.6	1.6	3.9	1.3
16	08	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	12	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	16	64.9	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6	3.9	1.3
16	20	64.9	10.7	3.2	7.1	2.5	11.8	3.4	11.2	3.3	6.4	2.3	6.7	2.4
17			27.5		31.5		21.5		24.0		16.0		19.5	
18			3.0		2.2		-3.5		-4.0		-2.0		5.0	
19			N		K		N		N		N		P	
20			0		0		0		0		0		0	
21	04	84.0	-4.5		-6.2		-3.9		-4.7		-5.1		-6.2	
21	08	84.0	-4.5		-6.2		-3.9		-4.7		-5.1		-6.2	
21	12	84.0	-4.5		-6.2		-3.9		-4.7		-5.1		-6.2	
21	16	84.0	-4.5		-6.2		-3.9		-4.7		-5.1		-6.2	
21	20	84.0	-4.4		-6.1		-3.8		-4.6		-5.0		-6.1	

1	2	3	4	5	6	7	8	9	10	11	12
ZAI32300	ZAI	-19.0	21.3	-6.8	2.80	1.52	149	A883	A884	1	
			21.3	-6.8	2.80	1.52	149	A887	A882	2	

			1		2		3		4		5		6	
13														
14			30.0		16.3		12.0		22.1		29.8		30.7	
15			-4.2		-1.0		-5.6		-11.1		-13.5		-8.2	
16	02	64.7	2.8	0.1	0.7	-0.9	3.7	0.5	6.2	1.3	3.0	0.2	6.9	1.5
16	06	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	2.9	0.2	6.9	1.5
16	10	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
16	14	64.8	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
16	18	64.9	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2	6.9	1.5
17			12.0		22.1		29.8		30.7					
18			-5.6		-11.1		-13.5		-8.2					
19			K		K		J		J					
20			0		0		0		0					
21	02	84.0	-6.1		-5.8		-7.4		-5.1					
21	06	84.0	-6.1		-5.8		-7.4		-5.1					
21	10	84.0	-6.1		-5.8		-7.4		-5.1					
21	14	84.0	-6.1		-5.8		-7.4		-5.1					
21	18	84.0	-6.1		-5.8		-7.4		-5.1					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 24

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AGL29500	AGL	-13.0	16.5	-12.0	3.09	2.26	84	A883	A884	1	
			16.5	-12.0	3.09	2.26	84	A887	A882	2	

			1		2		3		4		5	
13												
14			12.0		12.5		20.0		24.0		23.0	
15			-17.5		-6.5		-6.0		-11.0		-17.5	
16	23	64.1	12.9	8.9	7.0	6.1	10.1	7.8	8.8	7.2	12.6	8.8
16	27	64.2	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.2	12.6	8.8
16	31	64.2	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.2	12.6	8.8
16	35	64.3	13.0	9.0	7.0	6.1	10.0	7.8	8.9	7.2	12.6	8.8
16	39	64.4	13.0	9.0	6.9	6.0	10.0	7.8	8.8	7.2	12.6	8.8
17			12.0		12.5		20.0		24.0		23.0	
18			-17.5		-6.5		-6.0		-11.0		-17.5	
19			E		K		N		K		E	
20			0		0		0		0		0	
21	23	84.0	1.0		1.7		1.4		0.6		0.9	
21	27	84.0	1.0		1.7		1.4		0.6		0.9	
21	31	84.0	1.0		1.7		1.4		0.6		0.9	
21	35	84.0	1.0		1.7		1.4		0.6		0.9	
21	39	84.0	1.0		1.7		1.4		0.6		0.9	

1	2	3	4	5	6	7	8	9	10	11	12
CAF25800	CAF	-13.0	21.0	6.3	2.25	1.68	31	A883	A884	2	
			21.0	6.3	2.25	1.68	31	A887	A882	1	

			1		2		3		4		5		6	
13														
14			15.5		14.6		16.5		27.5		23.2		22.0	
15			7.5		6.1		2.1		5.0		11.0		10.7	
16	24	64.3	3.4	3.9	4.7	5.1	7.8	7.6	2.9	3.5	0.4	1.2	1.0	1.7
16	28	64.3	3.4	3.9	4.7	5.1	7.8	7.6	2.8	3.4	0.4	1.2	0.9	1.6
16	32	64.4	3.4	3.9	4.7	5.1	7.8	7.6	2.9	3.5	0.4	1.2	0.9	1.6
16	36	64.4	3.4	3.9	4.7	5.1	7.8	7.6	2.9	3.5	0.4	1.2	0.9	1.6
16	40	64.5	3.6	4.1	4.8	5.2	8.1	7.8	3.1	3.7	0.6	1.3	1.1	1.8
17			15.5		14.6		16.5		27.5		23.2		22.0	
18			7.5		6.1		2.1		5.0		11.0		10.7	
19			N		P		P		N		K		K	
20			0		0		0		0		0		0	
21	24	84.0	4.3		4.3		4.4		3.8		4.2		4.4	
21	28	84.0	4.3		4.3		4.4		3.8		4.2		4.4	
21	32	84.0	4.3		4.3		4.4		3.8		4.2		4.4	
21	36	84.0	4.3		4.3		4.4		3.8		4.2		4.4	
21	40	84.0	4.3		4.3		4.4		3.8		4.2		4.4	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CME30000	CME	-13.0	12.7	6.2	2.54	1.68	87	A883	A884	1	
			12.7	6.2	2.54	1.68	87	A887	A882	2	

			1		2		3		4		5		6	
13														
14			14.2		15.6		15.6		16.2		8.8		8.5	
15			13.2		10.0		7.7		1.4		2.2		4.8	
16	01	63.5	3.7	4.0	5.8	5.8	7.3	6.9	5.1	5.2	8.3	7.6	10.4	8.9
16	05	63.5	3.4	2.7	5.1	3.7	5.9	4.2	1.1	1.0	4.7	3.5	8.3	5.3
16	09	63.5	3.4	2.7	5.1	3.7	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
16	13	63.6	3.4	2.7	5.2	3.8	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3
16	17	63.6	3.4	2.7	5.2	3.8	5.9	4.2	1.2	1.1	4.7	3.5	8.3	5.3

17		14.2	15.6	15.7	16.2	8.8	8.5	
18		13.2	10.0	7.7	1.4	2.2	4.8	
19		K	N	N	P	N	P	
20		300	200	800	250	80	80	
21	01	84.0	2.8	4.3	4.8	2.6	3.2	3.6
21	05	84.0	-2.2	-0.7	-0.2	-2.5	-1.8	-1.5
21	09	84.0	-2.2	-0.7	-0.2	-2.5	-1.8	-1.5
21	13	84.0	-2.2	-0.7	-0.2	-2.5	-1.8	-1.5
21	17	84.0	-2.2	-0.7	-0.2	-2.5	-1.8	-1.5

1	2	3	4	5	6	7	8	9	10	11	12
COG23500	COG	-13.0	14.6	-0.7	2.02	1.18	59	A883	A884	2	
			14.6	-0.7	2.02	1.18	59	A887	A882	1	

			1		2		3		4		5		6	
13														
14			18.5		12.6		13.5		10.6		15.3		18.9	
15			4.3		2.4		-1.6		-3.4		-4.3		2.0	
16	22	63.8	0.5	1.3	-1.6	-0.7	6.6	6.7	4.9	5.3	4.9	5.3	3.8	4.3
16	26	63.8	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1
16	30	63.9	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1
16	34	63.9	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1
16	38	64.0	0.4	1.2	-1.6	-0.7	6.5	6.6	4.8	5.2	4.7	5.1	3.6	4.1

17		13.5	10.6	15.3				
18		-1.6	-3.4	-4.3				
19		N	N	N				
20		0	0	0				
21	22	84.0	7.0	4.1	4.0			
21	26	84.0	7.0	4.1	4.0			
21	30	84.0	7.0	4.1	4.0			
21	34	84.0	7.0	4.1	4.0			
21	38	84.0	7.0	4.1	4.0			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GAB26000	GAB	-13.0	11.8	-0.6	1.43	1.12	64	A883	A884	1	
			11.8	-0.6	1.43	1.12	64	A887	A882	2	

			1		2		3		4		5		6	
13														
14			9.0		11.5		12.5		11.8		13.0		11.0	
15			-1.0		1.0		2.0		-0.6		-2.0		-4.0	
16	03	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.2	3.8	2.7	3.4
16	07	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	11	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	15	63.5	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8	2.6	3.3
16	19	63.6	4.0	4.8	5.5	6.2	4.6	5.3	5.6	6.2	3.2	4.0	2.6	3.4

17		9.0	11.5	12.5	11.8	13.0	11.0	
18		-1.0	1.0	2.0	-0.6	-2.0	-4.0	
19		N	P	P	P	N	N	
20		0	0	0	0	0	0	
21	03	84.0	5.4	7.2	6.1	8.5	6.6	4.9
21	07	84.0	5.4	7.2	6.1	8.5	6.6	4.9
21	11	84.0	5.4	7.2	6.1	8.5	6.6	4.9
21	15	84.0	5.4	7.2	6.1	8.5	6.6	4.9
21	19	84.0	7.9	9.6	8.6	11.0	9.1	7.3

1	2	3	4	5	6	7	8	9	10	11	12
MLT14700	MLT	-13.0	14.3	35.9	0.60	0.60	0	A883	A884	1	
			14.3	35.9	0.60	0.60	0	A887	A882	2	

			1	
13				
14			14.4	
15			35.9	
16	04	61.0	0.3	1.3
16	08	61.0	0.3	1.3
16	12	61.1	0.3	1.3
16	16	61.2	0.4	1.4

17		14.4	
18		35.9	
19		K	
20		0	
21	04	84.0	11.0
21	08	84.0	11.0
21	12	84.0	11.0
21	16	84.0	11.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 27

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TCD14300	TCD	-13.0	18.1	15.5	3.40	1.72	107	A883	A884	2	
			18.1	15.5	3.40	1.72	107	A887	A882	1	

			1		2		3		4		5		6	
13														
14			14.0		15.5		23.8		16.5		23.0		20.0	
15			14.5		22.8		19.3		8.2		11.9		22.0	
16	02	64.0	6.6	5.9	7.2	6.3	8.4	7.1	4.7	4.6	9.4	7.6	8.4	7.1
16	06	64.0	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.3	7.6	8.3	7.0
16	10	64.1	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6	8.3	7.0
16	14	64.1	6.6	5.9	7.2	6.3	8.4	7.1	4.7	4.6	9.4	7.6	8.4	7.1
16	18	64.2	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6	8.4	7.1
17			14.0	15.5	23.8	16.5	23.0	20.0						
18			14.5	22.8	19.3	8.2	11.9	22.0						
19			E	A	C	N	K	A						
20			0	0	0	0	0	0						
21	02	84.0	2.5	2.1	0.9	1.9	2.1	2.6						
21	06	84.0	2.5	2.1	0.9	1.9	2.1	2.6						
21	10	84.0	2.5	2.1	0.9	1.9	2.1	2.6						
21	14	84.0	2.5	2.1	0.9	1.9	2.1	2.6						
21	18	84.0	2.5	2.1	0.9	1.9	2.1	2.6						

1	2	3	4	5	6	7	8	9	10	11	12
ALB29600	ALB	-7.0	19.8	41.3	0.68	0.60	146	A883	A884	2	
			20.1	41.0	1.17	0.65	128	A887	A882	2	

			1		2		3		4		5		6	
13														
14			19.8		19.3		19.4		20.3		21.0		20.7	
15			42.6		41.8		40.4		39.7		40.9		42.0	
16	22	63.8	-2.0	-1.1	-0.1	0.8	0.8	1.7	-0.6	0.3	0.3	1.2	-0.1	0.8
16	26	63.8	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	30	63.9	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	34	63.9	-1.9	-0.9	-0.1	0.9	0.8	1.8	-0.5	0.5	0.2	1.2	-0.1	0.9
16	38	64.0	-2.3	-1.3	-0.5	0.5	0.1	1.1	-1.3	-0.3	-0.3	0.7	-0.5	0.5
17			19.7	19.4	19.3	20.2	21.1	20.5						
18			42.7	42.4	40.5	39.7	40.7	42.2						
19			K	K	L	L	L	K						
20			0	0	0	0	0	0						
21	21	84.0	6.9	6.9	6.9	7.3	6.9	7.2						
21	25	84.0	13.6	13.7	13.6	14.1	13.7	13.9						
21	29	84.0	13.7	13.8	13.7	14.2	13.8	14.0						
21	33	84.0	13.7	13.8	13.7	14.2	13.8	14.0						
21	37	84.0	13.7	13.8	13.7	14.2	13.8	14.0						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 28

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
EGY02600	EGY	-7.0	29.7	26.8	2.33	1.72	136	A883	A884	2	
			29.7	26.8	2.33	1.72	136	A887	A882	1	

			1		2		3		4		5		6	
13														
14			24.8		24.8		33.7		36.0		35.0		34.5	
15			31.8		21.8		21.6		23.3		29.4		31.7	
16	04	63.1	3.7	4.3	5.0	5.5	1.5	2.3	-0.3	0.5	1.5	2.3	1.3	2.1
16	08	63.2	3.7	4.3	4.9	5.4	1.5	2.3	-0.2	0.6	1.4	2.2	1.2	2.0
16	12	63.2	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	16	63.3	3.8	4.4	5.0	5.5	1.5	2.3	-0.2	0.6	1.4	2.2	1.3	2.1
16	20	63.3	3.5	4.1	5.3	5.8	1.5	2.3	-0.2	0.6	1.3	2.1	0.9	1.7
17			24.8	24.8	33.7	36.0	35.0	34.5	31.3	31.1	33.0	28.5		
18			31.8	21.8	21.6	23.3	29.4	31.7	30.0	27.2	24.1	28.0		
19			E	A	A	A	C	E	C	C	C	C		
20			0	0	0	0	0	0	0	0	0	0		
21	04	86.0	4.9	4.8	5.1	5.2	6.4	5.6	7.3	8.2	7.0	8.2		
21	08	86.0	4.9	4.8	5.1	5.2	6.4	5.6	7.3	8.2	7.0	8.2		
21	12	86.0	4.9	4.8	5.1	5.2	6.4	5.6	7.3	8.2	7.0	8.2		
21	16	86.0	4.9	4.8	5.1	5.2	6.4	5.6	7.3	8.2	7.0	8.2		
21	20	86.0	5.2	5.1	5.4	5.5	6.7	5.9	7.6	8.5	7.3	8.5		

1	2	3	4	5	6	7	8	9	10	11	12
SDN23000	SDN	-7.0	29.2	7.5	2.34	1.12	148	A883	A884	2	
			29.9	9.8	2.95	2.17	123	A887	A882	2	

			1		2		3		4		5		6	
13														
14			36.0		34.0		30.0		23.0		23.5		30.0	
15			4.6		8.5		10.0		11.0		8.7		4.0	
16	23	64.4	3.6	3.6	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	27	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	31	64.5	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	35	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
16	39	64.6	3.7	3.7	2.3	2.6	2.0	2.3	1.0	1.4	1.2	1.6	1.3	1.7
17			36.0	34.0	30.0	23.0	28.2	30.5	32.6					
18			4.6	8.5	10.0	10.7	4.2	3.6	15.6					
19			J	J	K	K	N	K	C					
20			0	0	0	0	0	0	0					
21	23	86.0	0.6	2.4	3.3	0.9	0.9	0.9	0.8					
21	27	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8					
21	31	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8					
21	35	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8					
21	39	86.0	0.6	2.4	3.4	0.9	1.0	0.9	0.8					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 29

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SDN23100	SDN	-7.0	28.9 29.9	12.7 12.9	2.26 2.64	1.96 2.08	159 155	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
			34.0		36.8		32.0		23.0		22.0		23.0	
			8.5		16.0		16.0		15.6		13.0		10.7	
22	63.5	-1.6	-0.8	-1.0	-0.2	1.7	2.3	2.1	2.7	1.1	1.8	1.1	1.8
26	63.5	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
30	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
34	63.6	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8
38	63.7	-1.6	-0.8	-1.0	-0.2	1.8	2.4	2.1	2.7	1.1	1.8	1.1	1.8

		34.0	36.8	32.6	23.0	23.0	23.5	30.0
		8.5	16.0	15.6	15.6	13.0	10.7	10.0
		J	C	C	C	K	N	K
		0	0	0	0	0	0	0
22	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7
26	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7
30	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7
34	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7
38	86.0	3.2	3.0	4.5	3.1	3.6	3.3	4.7

1	2	3	4	5	6	7	8	9	10	11	12
SDN23200	SDN	-7.0	30.4 29.6	19.0 18.4	2.44 2.54	1.52 2.09	176 167	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
			36.8		38.5		35.5		25.0		24.0		32.0	
			16.0		18.0		23.0		22.0		15.8		16.0	
24	63.3	2.7	3.1	4.8	4.8	3.9	4.1	1.1	1.6	-0.1	0.6	2.6	3.0
28	63.3	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
32	63.4	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
36	63.4	2.8	3.1	4.9	4.9	4.0	4.2	1.2	1.7	-0.1	0.6	2.7	3.1
40	63.5	3.3	3.6	5.8	5.7	5.3	5.3	1.8	2.3	0.0	0.7	3.0	3.4

		36.8	38.5	35.5	25.0	24.0	23.0	32.6
		16.0	18.0	23.0	22.0	20.0	15.6	15.6
		C	C	A	A	C	E	E
		0	0	0	0	0	0	0
24	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0
28	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0
32	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0
36	86.0	1.7	1.7	1.7	2.0	2.7	2.1	3.0
40	86.0	2.2	2.2	2.2	2.5	3.2	2.6	3.5

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 30

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
YUG14800	YUG	-7.0	18.4 18.6	43.7 43.8	1.68 2.21	0.66 0.92	154 156	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
			13.4		21.0		20.1		16.1		22.7		23.0	
			46.4		40.6		46.3		42.9		44.5		43.1	
21	65.2	-1.4	-0.7	2.7	3.0	0.2	0.8	4.6	4.6	0.8	1.4	1.8	2.3
25	65.3	-1.4	-0.8	4.3	4.1	0.5	1.0	4.5	4.3	2.6	2.8	4.3	4.1
29	65.3	-1.7	-1.0	3.7	3.6	-0.9	-0.3	4.0	3.9	0.2	0.7	2.0	2.3
33	65.4	-1.7	-1.0	3.7	3.7	-0.9	-0.3	4.0	3.9	0.2	0.7	2.0	2.3
37	65.4	-1.7	-1.0	3.6	3.6	-0.9	-0.3	3.9	3.8	0.2	0.7	2.0	2.3

		16.3	13.2	13.9	16.1	19.4	21.0	22.9	23.0	22.8	20.3
		46.9	46.3	44.9	43.0	41.9	40.9	41.4	43.2	44.5	46.1
		K	K	K	K	K	L	L	K	K	K
		0	0	0	0	0	0	0	0	0	0
01	84.0	2.1	1.7	2.2	2.5	2.9	2.2	2.1	2.4	1.9	1.5
05	84.0	1.0	0.5	1.1	1.4	1.8	1.0	1.0	1.3	0.8	0.3
09	84.0	1.0	0.5	1.1	1.4	1.8	1.0	1.0	1.3	0.8	0.3
13	84.0	1.0	0.5	1.1	1.4	1.8	1.0	1.0	1.3	0.8	0.4
17	84.0	1.0	0.5	1.1	1.4	1.8	1.0	1.0	1.3	0.8	0.4

1	2	3	4	5	6	7	8	9	10	11	12
YUG14900	YUG	-7.0	18.4 18.6	43.7 43.8	1.68 2.21	0.66 0.92	154 156	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
			13.4		21.0		20.1		16.1		22.7		23.0	
			46.4		40.6		46.3		42.9		44.5		43.1	
23	65.2	-1.3	-0.6	0.3	0.9	-1.3	-0.6	-0.2	0.4	-0.1	0.5	0.8	1.3
27	65.3	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
31	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
35	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4	-0.4	0.2
39	65.5	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.3	-1.5	-0.4	0.2

		16.3	13.2	13.9	16.1	19.4	21.0	22.9	23.0	22.8	20.3
		46.9	46.3	44.9	43.0	41.9	40.9	41.4	43.2	44.5	46.1
		K	K	K	K	K	L	L	K	K	K
		0	0	0	0	0	0	0	0	0	0
03	84.0	1.9	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.7	1.2
07	84.0	1.9	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.7	1.2
11	84.0	1.9	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.7	1.2
15	84.0	1.9	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.7	1.2
19	84.0	1.9	1.4	2.0	2.3	2.6	1.9	1.8	2.1	1.7	1.2

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 31

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BOT29700	BOT	-1.0	23.3	-22.2	2.13	1.50	36	A883	A884	2	
			23.3	-22.2	2.13	1.50	36	A887	A882	1	

			1		2		3		4		5		6	
13														
14			21.0		25.3		29.3		25.6		20.6		20.0	
15			-18.4		-17.8		-22.1		-25.6		-27.0		-23.3	
16	02	63.8	5.2	2.8	3.6	2.0	5.9	3.1	8.0	3.9	8.3	4.0	9.5	4.3
16	06	63.8	5.1	2.8	3.5	2.0	5.8	3.1	7.9	3.9	8.2	4.0	9.4	4.3
16	10	63.9	5.1	2.8	3.5	2.0	5.8	3.1	7.9	3.9	8.2	4.0	9.4	4.3
16	14	63.9	5.2	2.8	3.5	2.0	5.8	3.1	8.0	3.9	8.3	4.0	9.5	4.3
16	18	64.0	5.1	2.8	3.5	2.0	5.8	3.1	7.9	3.9	8.2	4.0	9.4	4.3
17			21.0		25.3		29.3		25.6		20.6		20.0	
18			-18.4		-17.8		-22.1		-25.6		-27.0		-23.3	
19			E		E		E		E		C		C	
20			0		0		0		0		0		0	
21	02	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	06	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	10	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	14	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	
21	18	84.0	-4.4		-4.0		-4.5		-3.7		-4.5		-2.4	

1	2	3	4	5	6	7	8	9	10	11	12
BUL02000	BUL	-1.0	25.0	43.0	1.04	0.60	165	A883	A884	1	
			25.0	43.0	2.00	2.00	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			22.6		28.7		22.4		28.1		23.0		25.3	
15			44.3		43.8		42.3		42.0		41.3		41.2	
16	04	63.6	-1.0	-0.2	-2.2	-1.4	-0.6	0.2	-2.3	-1.5	-1.9	-1.1	-1.7	-0.9
16	08	63.7	-0.9	-0.1	-2.1	-1.3	-0.5	0.3	-2.2	-1.4	-1.8	-1.0	-1.6	-0.8
16	12	63.8	-0.9	-0.1	-2.1	-1.3	-0.5	0.3	-2.2	-1.4	-1.8	-1.0	-1.6	-0.8
16	16	63.8	-0.9	-0.1	-2.1	-1.3	-0.5	0.3	-2.2	-1.4	-1.8	-1.0	-1.6	-0.8
16	20	63.9	-1.8	-0.9	-1.2	-0.3	-1.3	-0.4	-1.6	-0.7	-2.2	-1.3	-1.6	-0.7
17			22.6		28.7		22.4		28.1		23.0		25.3	
18			44.3		43.8		42.3		42.0		41.3		41.2	
19			K		K		K		K		L		L	
20			0		0		0		0		0		0	
21	04	87.0	3.4		3.4		3.8		3.2		3.8		3.8	
21	08	87.0	3.4		3.4		3.8		3.2		3.8		3.8	
21	12	87.0	3.4		3.4		3.8		3.2		3.9		3.8	
21	16	87.0	3.4		3.4		3.8		3.2		3.9		3.8	
21	20	87.0	5.0		5.1		5.4		4.9		5.5		5.4	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 32

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DDR21600	DDR	-1.0	12.6	52.1	0.83	0.63	172	A883	A884	2	
			17.2	51.8	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			12.5		14.5		15.0		13.0		9.9		11.0	
15			54.5		53.4		51.0		50.5		51.4		54.0	
16	21	64.2	-2.7	-2.1	-1.1	-0.6	-2.2	-1.6	-1.2	-0.7	-2.3	-1.7	-3.3	-2.6
16	25	64.3	-3.1	-2.3	-1.5	-0.8	-2.4	-1.7	-1.4	-0.7	-2.5	-1.7	-3.5	-2.7
16	29	64.3	-2.9	-2.1	-1.6	-0.9	-2.8	-2.0	-1.6	-0.9	-2.3	-1.6	-3.3	-2.5
16	33	64.4	-3.0	-2.2	-1.8	-1.1	-2.9	-2.1	-1.7	-1.0	-2.2	-1.5	-3.3	-2.5
16	37	64.4	-2.8	-2.0	-1.3	-0.6	-2.6	-1.8	-1.4	-0.7	-2.3	-1.6	-3.3	-2.5
17			13.4		10.8		9.9		14.3		14.4			
18			54.6		54.0		50.6		49.4		53.3			
19			E		E		E		H		E			
20			0		0		0		0		0			
21	21	84.0	-0.2		-1.1		-0.9		0.8		0.5			
21	25	84.0	1.7		0.8		1.1		2.7		2.4			
21	29	84.0	1.7		0.8		1.0		2.7		2.4			
21	33	84.0	1.7		0.8		1.0		2.7		2.4			
21	37	84.0	1.7		0.8		1.0		2.7		2.4			

1	2	3	4	5	6	7	8	9	10	11	12
HNG10600	HNG	-1.0	19.5	47.2	0.92	0.60	176	A883	A884	1	
			22.2	45.6	2.00	2.00	0	A887	A882	2	

			1		2		3		4		5		6	
13														
14			22.9		20.8		17.3		16.1		18.0		21.0	
15			48.0		48.6		48.1		46.8		45.7		46.2	
16	22	64.0	-0.6	0.2	-0.1	0.6	-2.3	-1.5	-2.9	-2.0	-2.1	-1.3	-2.1	-1.3
16	26	64.0	-0.6	0.1	0.0	0.7	-2.2	-1.4	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	30	64.1	-0.6	0.2	0.0	0.7	-2.1	-1.3	-2.8	-2.0	-2.1	-1.3	-2.1	-1.3
16	34	64.1	-0.3	0.4	0.3	1.0	-2.0	-1.2	-2.8	-2.0	-2.0	-1.2	-2.1	-1.3
16	38	64.2	-0.4	0.3	0.5	1.2	-1.5	-0.7	-2.5	-1.7	-2.1	-1.3	-2.2	-1.4
17			22.9		20.8		17.3		16.1		18.0		21.0	
18			48.0		48.6		48.1		46.8		45.7		46.2	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	22	84.0	4.6		4.0		2.8		2.7		3.9		4.8	
21	26	84.0	4.5		4.0		2.8		2.6		3.9		4.8	
21	30	84.0	4.6		4.0		2.8		2.7		3.9		4.8	
21	34	84.0	4.5		3.9		2.7		2.6		3.9		4.7	
21	38	84.0	4.5		3.9		2.8		2.6		3.9		4.7	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MWI30800	MWI	-1.0	34.1	-13.0	1.54	0.60	87	A883	A884	2	
			34.1	-13.0	1.54	0.60	87	A887	A882	2	

			1		2		3		4		5		6	
13														
14			32.8		34.0		34.6		35.8		35.2		32.0	
15			-9.3		-9.8		-11.0		-14.8		-17.2		-13.0	
16	24	64.2	10.2	7.9	11.5	8.4	12.5	8.8	11.9	8.6	10.1	7.8	10.1	7.8
16	28	64.3	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	32	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	36	64.4	10.4	8.0	11.7	8.5	12.7	8.9	11.8	8.6	9.6	7.6	10.2	7.9
16	40	64.5	10.9	8.2	12.3	8.8	13.4	9.2	14.2	9.4	14.6	9.5	11.6	8.5

17		32.8	34.0	34.6	35.8	35.2	32.0
18		-9.3	-9.8	-11.0	-14.8	-17.2	-13.0
19		J	J	J	J	J	J
20		0	0	0	0	0	0
21	24	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	28	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	32	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	36	84.0	3.6	5.0	5.6	4.0	3.7	0.6
21	40	84.0	3.7	5.1	5.7	4.1	3.8	0.7

1	2	3	4	5	6	7	8	9	10	11	12
POL13200	POL	-1.0	19.3	51.8	1.46	0.64	162	A883	A884	2	
			17.2	51.8	2.00	2.00	0	A887	A882	1	

			1		2		3		4		5		6	
13														
14			14.4		15.0		20.0		22.9		24.1		23.3	
15			53.9		51.0		49.2		49.0		50.7		54.2	
16	01	64.1	2.5	2.0	2.8	2.2	1.8	1.5	0.0	0.1	2.7	2.2	2.5	2.0
16	05	64.2	-0.7	-0.6	0.7	0.5	1.2	0.9	-0.3	-0.3	2.2	1.6	1.2	0.9
16	09	64.2	-0.7	-0.6	0.7	0.5	1.2	0.9	-0.3	-0.3	2.2	1.6	1.2	0.9
16	13	64.3	0.3	0.2	1.6	1.2	1.4	1.0	-0.2	-0.2	2.4	1.7	3.1	2.2
16	17	64.3	0.4	0.3	1.6	1.2	1.5	1.1	-0.2	-0.2	2.5	1.8	3.6	2.5

17		14.2	14.9	19.9	24.1	23.3
18		53.9	50.9	49.4	50.5	54.3
19		E	H	K	H	H
20		0	0	0	0	0
21	01	86.0	-1.1	-0.4	-1.2	-2.6	-1.3
21	05	86.0	-1.8	-1.1	-1.8	-3.3	-2.0
21	09	86.0	-1.8	-1.1	-1.8	-3.3	-2.0
21	13	86.0	-1.8	-1.1	-1.8	-3.3	-2.0
21	17	86.0	-1.8	-1.1	-1.8	-3.3	-2.0

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ROU13600	ROU	-1.0	25.0	45.7	1.38	0.66	155	A883	A884	1	
			25.0	45.7	1.38	0.66	155	A887	A882	2	

			1		2		3		4		5		6	
13														
14			20.2		22.8		28.5		29.5		27.0		23.5	
15			46.1		43.8		43.7		44.8		48.0		48.0	
16	02	63.8	-1.3	-1.3	-0.1	-0.3	0.2	-0.1	0.5	0.1	0.9	0.4	0.7	0.3
16	06	63.9	-1.3	-1.3	-0.1	-0.3	0.2	-0.1	0.5	0.1	0.9	0.4	0.7	0.3
16	10	63.9	-1.3	-1.3	-0.1	-0.3	0.2	-0.1	0.5	0.1	0.9	0.4	0.7	0.3
16	14	64.0	-1.2	-1.2	-0.1	-0.3	0.3	0.0	0.5	0.1	1.1	0.6	0.8	0.3
16	18	64.0	-1.2	-1.2	-0.1	-0.3	0.3	0.0	0.5	0.1	1.0	0.5	0.8	0.3

17		20.2	22.8	28.5	29.5	27.0	23.5
18		46.1	43.8	43.7	44.8	48.0	48.0
19		K	K	K	K	K	K
20		0	0	0	0	0	0
21	02	84.0	-3.8	-4.1	-2.7	-3.2	-4.2	-2.0
21	06	84.0	-3.8	-4.1	-2.7	-3.2	-4.2	-2.0
21	10	84.0	-3.8	-4.1	-2.7	-3.2	-4.2	-2.0
21	14	84.0	-3.8	-4.1	-2.7	-3.2	-4.2	-2.0
21	18	84.0	-3.8	-4.1	-2.7	-3.2	-4.2	-2.0

1	2	3	4	5	6	7	8	9	10	11	12
SWZ31300	SWZ	-1.0	31.5	-26.5	0.62	0.60	66	A883	A884	1	
			31.5	-26.5	0.62	0.60	66	A887	A882	2	

			1		2		3		4		5	
13												
14			31.9		31.1		31.3		30.8		31.9	
15			-26.7		-25.9		-26.5		-26.6		-26.5	
16	01	62.9	8.0	6.9	6.8	6.1	7.8	6.8	6.8	6.1	8.0	6.9
16	05	62.9	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6
16	09	62.9	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6
16	13	63.0	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6
16	17	63.0	4.8	4.7	3.6	3.7	4.6	4.5	3.7	3.8	4.7	4.6

17		31.9	31.1	31.3	30.8	31.9
18		-26.7	-25.9	-26.5	-26.6	-26.5
19		K	E	E	K	K
20		0	0	0	0	0
21	01	82.0	1.9	1.6	1.9	1.1	1.9
21	05	82.0	1.9	1.5	1.9	1.1	1.9
21	09	82.0	1.9	1.5	1.9	1.1	1.9
21	13	82.0	1.9	1.5	1.9	1.1	1.9
21	17	82.0	1.9	1.5	1.9	1.1	1.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 35

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TCH14400	TCH	-1.0	17.3 17.2	49.3 51.8	1.47 2.00	0.60 2.00	170 0	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			12.1		14.1		22.2		17.7		19.7		14.3	
15			50.3		48.6		48.4		47.7		50.3		51.0	
16	03	63.8	-1.8	-1.4	-0.5	-0.2	-0.4	-0.2	0.6	0.7	-0.4	-0.2	-1.0	-0.7
16	07	63.9	-1.8	-1.4	-0.5	-0.2	-0.4	-0.2	0.6	0.7	-0.4	-0.2	-1.0	-0.7
16	11	63.9	-1.4	-1.0	-0.2	0.0	-0.4	-0.2	0.7	0.7	-0.3	-0.1	-0.5	-0.2
16	15	64.0	-1.5	-1.1	-0.2	0.0	-0.3	-0.1	0.7	0.7	-0.2	0.0	-0.5	-0.2
16	19	64.0	-1.5	-1.1	-0.2	0.0	-0.3	-0.1	0.7	0.7	-0.2	0.0	-0.5	-0.2
17			12.1		15.2		22.0		22.1		13.8			
18			50.3		51.0		49.3		48.4		48.8			
19			H		H		K		K		H			
20			0		0		0		0		0			
21	03	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	07	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	11	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	15	84.0	-0.9		0.0		-1.7		-2.2		-0.4			
21	19	84.0	-0.9		0.0		-1.7		-2.2		-0.4			

1	2	3	4	5	6	7	8	9	10	11	12
ZWE13500	ZWE	-1.0	29.6 29.6	-18.8 -18.8	1.46 1.46	1.36 1.36	37 37	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			31.2		30.0		25.2		27.4		32.8		32.8	
15			-22.2		-16.5		-17.6		-21.1		-20.5		-17.7	
16	22	64.2	5.1	5.5	9.6	9.1	7.3	7.4	5.6	5.9	7.1	7.2	8.6	8.4
16	26	64.2	5.0	5.4	9.5	9.0	7.0	7.1	5.4	5.8	7.0	7.1	8.5	8.3
16	30	64.3	4.6	5.1	8.6	8.4	6.1	6.4	4.9	5.3	6.5	6.7	7.7	7.7
16	34	64.3	4.6	5.1	8.6	8.4	6.1	6.4	4.8	5.3	6.4	6.6	8.6	8.4
16	38	64.4	4.6	5.1	8.6	8.4	6.1	6.4	4.9	5.3	6.5	6.7	8.5	8.3
17			31.2		30.0		25.2		27.4		32.8		32.8	
18			-22.2		-16.5		-17.6		-21.1		-20.5		-17.7	
19			E		J		E		E		J		J	
20			0		0		0		0		0		0	
21	23	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	27	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	31	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	35	85.0	4.9		6.3		4.5		5.4		5.8		5.6	
21	39	85.0	4.9		6.3		4.5		5.4		5.8		5.6	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 36

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CYP08600	CYP	5.0	33.3 33.3	35.1 35.1	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			32.3		34.0		33.0		34.5		33.8		33.1	
15			34.8		35.0		35.3		35.7		35.3		34.6	
16	21	63.6	2.7	3.7	2.4	3.4	2.8	3.8	1.6	2.6	3.1	4.1	2.7	3.7
16	25	63.6	0.8	1.8	0.1	1.1	1.0	2.0	-0.3	0.7	1.1	2.1	0.4	1.4
16	29	63.7	0.9	1.9	0.1	1.1	1.0	2.0	-0.4	0.6	1.1	2.1	0.4	1.4
16	33	63.7	0.9	1.9	0.1	1.1	1.0	2.0	-0.3	0.7	1.1	2.1	0.4	1.4
16	37	63.8	0.9	1.9	0.1	1.1	1.1	2.1	-0.3	0.7	1.2	2.2	0.5	1.5
17			32.3		34.0		33.0		34.5		33.8		33.1	
18			34.8		35.0		35.3		35.7		35.3		34.6	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	21	84.0	18.8		19.1		20.0		18.1		20.0		20.0	
21	25	84.0	17.9		18.3		19.2		17.2		19.2		19.2	
21	29	84.0	17.9		18.2		19.1		17.2		19.1		19.2	
21	33	84.0	17.9		18.2		19.1		17.1		19.1		19.1	
21	37	84.0	17.9		18.3		19.2		17.2		19.2		19.2	

1	2	3	4	5	6	7	8	9	10	11	12
DNK08900	DNK	5.0	12.3 17.0	57.1 61.5	1.20 2.00	0.60 1.00	177 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			12.0		15.1		8.0		12.6		10.0		10.5	
15			54.6		55.3		57.0		56.0		54.5		57.7	
16	12	64.3	0.8	1.6	0.7	1.5	2.1	2.9	3.2	3.9	0.8	1.6	3.9	4.6
16	16	64.4	0.7	1.5	0.7	1.5	2.0	2.8	3.1	3.8	0.7	1.5	3.8	4.5
16	20	64.4	0.1	1.0	1.1	2.0	2.1	2.9	3.0	3.8	0.0	0.9	4.1	4.8
17			12.5		10.0		10.8		6.0		23.6		18.1	
18			55.7		57.5		60.1		62.5		70.7		59.2	
19			E		E		G		J		C		E	
20			30		30		200		30		50		70	
21	12	84.0	7.2		8.3		9.0		6.3		6.2		8.9	
21	16	84.0	7.2		8.3		9.0		6.2		6.2		8.9	
21	20	84.0	7.9		9.1		9.7		7.0		6.9		9.6	

			5		6	
13						
14			21.1		24.0	
15			67.9		60.2	
16	12	64.3	7.4		7.7	
16	16	64.4	7.4		7.7	
16	20	64.4	8.1		8.4	
17			29.8		27.0	
18			62.6		68.9	
19			E		C	
20			200		150	
21	12	84.0	6.6		7.6	
21	16	84.0	6.6		7.6	
21	20	84.0	7.3		8.3	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DNK09000	DNK	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

13			1		2		3		4		5		6			
14			12.0		4.4		4.7		31.5		25.7		22.6			
15			54.6		61.6		59.2		62.9		71.2		59.6			
16	24	67.5	2.9	1.9	7.6	4.3	7.8	4.4	5.9	3.6	8.1	4.5	7.6	4.3		
16	36	68.2	3.3	2.2	8.1	4.5	8.3	4.5	6.4	3.8	8.6	4.6	8.2	4.5		
17			12.5	10.0	10.8		6.0	23.6	18.1		21.1	24.0	29.8		27.0	
18			55.7	57.5	60.1		62.5	70.7	59.2		67.9	60.2	62.6		68.9	
19			E	E	G		J	C	E		C	E	E		C	
20			30	30	200		30	50	70		330	30	200		150	
21	24	84.0	-2.7	-1.6	-0.9		-3.7	-3.7	-1.0		-2.5	-2.2	-3.3		-2.3	
21	36	84.0	-2.7	-1.6	-0.9		-3.7	-3.7	-1.1		-2.5	-2.2	-3.3		-2.3	

1	2	3	4	5	6	7	8	9	10	11	12
DNK09100	DNK	5.0	-19.5	61.0	2.20	0.80	4	A883	A884	1	
			-19.5	61.0	2.20	0.80	4	A887	A882	2	

13			1		2		3		4		5		6			
14			-6.7		-24.3		-22.7		-14.5		-16.0		-6.2			
15			62.0		65.5		63.8		66.3		66.5		62.3			
16	27	66.2	6.6	6.6	10.8	9.6	11.7	10.1	7.9	7.6	8.3	7.9	6.1	6.2		
16	35	66.3	7.0	6.9	12.1	10.3	13.0	10.7	8.7	8.2	9.2	8.5	6.4	6.4		
17			-21.8	-23.5	-15.3		-15.2	-6.8								
18			64.2	66.1	66.3		64.3	62.0								
19			E	G	E		G	G								
20			30	30	30		30	50								
21	27	84.0	5.1	3.8	3.6		5.1	3.9								
21	35	84.0	5.0	3.7	3.5		5.0	3.8								

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
FNL10300	FNL	5.0	22.5	64.5	1.38	0.76	171	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

13			1		2		3		4		5		6			
14			24.9		31.5		19.2		24.0		20.7		29.3			
15			60.0		62.9		60.0		66.0		69.1		69.5			
16	02	67.7	6.5	7.0	9.0	9.2	5.8	6.4	12.3	11.8	12.5	11.9	12.5	11.9		
16	06	67.8	6.5	7.0	9.0	9.2	5.7	6.3	12.3	11.8	12.4	11.8	12.5	11.9		
16	10	67.9	6.5	7.0	9.1	9.3	5.7	6.3	12.3	11.8	12.5	11.9	12.6	12.0		
17			12.5	10.0	10.8		6.0	23.6	18.1		21.1	24.0	29.8		27.0	
18			55.7	57.5	60.1		62.5	70.7	59.2		67.9	60.2	62.6		68.9	
19			E	E	G		J	C	E		C	E	E		C	
20			0	0	0		0	0	0		0	0	0		0	
21	02	84.0	8.0	9.2	9.8		7.1	7.0	9.7		8.2	8.5	7.4		8.4	
21	06	84.0	8.0	9.2	9.8		7.1	7.0	9.7		8.2	8.5	7.4		8.4	
21	10	84.0	8.0	9.2	9.8		7.1	7.0	9.7		8.2	8.5	7.4		8.4	

1	2	3	4	5	6	7	8	9	10	11	12
FNL10400	FNL	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

13			1		2		3		4		5		6			
14			8.0		4.7		24.9		25.7		11.6		15.0			
15			56.0		59.2		60.0		71.2		67.4		55.0			
16	22	67.7	8.4	8.3	10.3	9.7	11.2	10.3	14.0	11.8	12.5	11.0	4.4	4.9		
16	26	67.5	8.1	8.0	10.0	9.5	11.4	10.4	10.9	10.1	11.7	10.6	4.1	4.6		
17			12.5	10.0	10.8		6.0	23.6	18.1		21.1	24.0	29.8		27.0	
18			55.7	57.5	60.1		62.5	70.7	59.2		67.9	60.2	62.6		68.9	
19			E	E	G		J	C	E		C	E	E		C	
20			0	0	0		0	0	0		0	0	0		0	
21	22	84.0	5.7	6.9	7.6		4.8	4.7	7.4		5.9	6.3	5.1		6.1	
21	26	84.0	5.7	6.8	7.5		4.8	4.7	7.4		5.9	6.2	5.1		6.1	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 39

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GRC10500	GRC	5.0	24.7 24.5	38.2 38.0	1.78 2.03	0.98 1.29	156 159	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			19.4		24.0		29.6		26.5		26.6		22.9	
15			39.9		34.6		36.1		39.0		41.5		41.4	
16	03	63.3	3.8	4.1	5.5	5.4	7.0	6.6	6.0	5.8	0.4	1.0	1.2	1.8
16	07	63.4	3.8	4.1	5.5	5.4	7.0	6.6	6.0	5.8	0.3	1.0	1.2	1.8
16	11	63.4	3.9	4.1	5.5	5.4	7.1	6.6	6.0	5.8	0.4	1.0	1.2	1.8
16	15	63.5	3.9	4.1	5.6	5.5	7.1	6.6	6.1	5.9	0.4	1.0	1.2	1.8
16	19	63.5	3.9	4.1	5.6	5.5	7.1	6.6	6.1	5.9	0.4	1.0	1.2	1.8

			1	2	3	4	5	6
17			19.4	24.0	29.6	26.5	26.2	22.9
18			39.9	34.6	36.1	39.0	41.7	41.4
19			L	K	K	L	L	L
20			0	0	0	0	0	0
21	03	84.0	2.3	2.5	2.2	3.8	2.1	2.7
21	07	84.0	2.3	2.5	2.2	3.8	2.1	2.7
21	11	84.0	2.2	2.4	2.2	3.8	2.0	2.7
21	15	84.0	2.3	2.5	2.2	3.9	2.1	2.7
21	19	84.0	2.3	2.5	2.2	3.9	2.1	2.7

1	2	3	4	5	6	7	8	9	10	11	12
ISL05000	ISL	5.0	-19.5 -19.5	61.0 61.0	2.20 2.20	0.80 0.80	4 4	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			-23.0		-16.0		-6.2		-6.8		-18.8		-24.3	
15			66.5		66.5		62.3		61.5		63.4		65.5	
16	23	66.3	10.3	9.3	9.1	8.5	6.8	6.8	7.5	7.3	11.8	10.2	11.0	9.7
16	31	66.4	10.2	9.3	8.5	8.1	6.4	6.5	7.3	7.2	12.0	10.3	11.1	9.8
16	39	66.5	9.7	8.9	7.9	7.6	5.4	5.6	6.3	6.4	11.4	9.9	10.7	9.5

			1	2	3	4	5
17			-21.8	-23.5	-15.3	-15.2	-6.8
18			64.2	66.1	66.3	64.3	62.0
19			E	G	E	G	G
20			0	0	0	0	0
21	23	84.0	5.1	3.9	3.6	5.1	3.9
21	31	84.0	5.2	3.9	3.7	5.2	4.0
21	39	84.0	5.1	3.8	3.6	5.1	3.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 40

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LSO30500	LSO	5.0	27.8 27.8	-29.8 -29.8	0.66 0.66	0.60 0.60	36 36	A883 A887	A884 A882	1 2	

			1		2		3		4		5	
13												
14			27.0		28.5		29.5		28.0		29.3	
15			-29.8		-28.5		-29.4		-30.5		-30.0	
16	24	64.2	3.0	3.5	1.0	1.7	0.8	1.5	3.1	3.6	1.7	2.3
16	28	64.2	3.4	3.9	1.5	2.1	1.3	2.0	3.6	4.0	2.1	2.7
16	32	64.3	3.4	3.9	1.5	2.1	1.3	2.0	3.6	4.0	2.1	2.7
16	36	64.3	2.7	3.2	0.7	1.4	0.5	1.2	2.9	3.4	1.4	2.1
16	40	64.4	5.1	5.3	3.1	3.6	2.8	3.3	5.2	5.4	3.6	4.1

			1	2	3	4	5
17			27.0	28.5	29.5	28.0	29.3
18			-29.8	-28.5	-29.4	-30.5	-30.0
19			E	E	E	E	E
20			0	0	0	0	0
21	24	84.0	6.3	3.6	3.2	6.6	4.4
21	28	84.0	6.4	3.6	3.2	6.6	4.4
21	32	84.0	6.4	3.6	3.2	6.6	4.4
21	36	84.0	6.3	3.6	3.2	6.6	4.4
21	40	84.0	6.4	3.7	3.3	6.7	4.5

1	2	3	4	5	6	7	8	9	10	11	12
NOR12000	NOR	5.0	13.1 17.0	64.1 61.5	1.84 2.00	0.88 1.00	10 10	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			29.0		25.0		14.0		11.6		7.6		5.0	
15			69.0		68.7		64.0		59.0		58.0		60.0	
16	14	65.0	8.8	9.0	9.6	9.7	8.3	8.6	2.1	2.9	1.5	2.3	4.0	4.7
16	18	65.0	9.0	9.2	9.6	9.7	8.2	8.5	2.0	2.8	1.3	2.2	3.9	4.6
16	38	67.0	10.6	9.8	12.2	10.8	14.3	11.9	9.2	8.9	9.4	9.0	11.1	10.2

			1	2	3	4	5	6	7	8	9
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9
19			E	E	G	J	C	E	C	E	E	C
20			0	0	0	0	0	0	0	0	0	0
21	14	84.0	7.9	9.0	9.7	7.0	6.9	9.6	8.1	8.4	7.3	8.3
21	18	84.0	7.9	9.0	9.7	7.0	6.9	9.6	8.1	8.4	7.3	8.3
21	38	84.0	5.6	6.8	7.5	4.7	4.6	7.3	5.8	6.2	5.0	6.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 41

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NOR12100	NOR	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			28.9		30.6		24.9		18.4		15.0		8.3	
15			69.0		64.1		60.1		57.6		55.0		55.0	
16	28	66.8	7.6	4.2	6.3	3.7	6.6	3.8	5.6	3.4	2.3	1.5	3.7	2.4
16	32	66.9	7.6	4.2	6.3	3.7	6.6	3.8	5.6	3.4	2.3	1.5	3.7	2.4
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	28	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.2	-3.4	-2.4		
21	32	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.2	-3.4	-2.4		

1	2	3	4	5	6	7	8	9	10	11	12
S 13800	S	5.0	16.2	61.0	1.04	0.98	14	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			13.3		19.0		11.0		20.8		12.0		20.1	
15			55.3		57.4		58.5		63.5		63.3		69.1	
16	04	67.1	3.4	4.1	2.3	3.1	4.6	5.2	3.8	4.5	3.8	4.5	1.9	2.7
16	08	67.1	3.4	4.1	2.3	3.1	4.6	5.2	3.8	4.5	3.8	4.5	1.9	2.7
16	34	67.4	4.5	5.0	7.1	7.3	8.8	8.6	13.1	11.4	11.8	10.7	12.0	10.8
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	04	84.0	7.2	8.4	9.1	6.3	6.2	8.9	7.5	7.8	6.6	7.7		
21	08	84.0	7.2	8.4	9.1	6.3	6.2	8.9	7.5	7.8	6.6	7.7		
21	34	84.0	5.8	7.0	7.7	4.9	4.8	7.5	6.0	6.4	5.2	6.3		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 42

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
S 13900	S	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
			17.0	61.5	2.00	1.00	10	A887	A882	1	

			1		2		3		4		5		6	
13														
14			8.3		15.1		19.0		27.2		4.7		28.3	
15			55.0		55.0		57.4		60.2		59.2		71.2	
16	30	67.1	5.8	6.1	3.5	4.1	7.9	7.9	10.5	9.8	9.4	9.0	10.1	9.5
16	40	68.2	6.8	4.0	6.3	3.8	8.3	4.5	6.9	4.0	8.5	4.6	8.6	4.6
17			12.5	10.0	10.8	6.0	23.6	18.1	21.1	24.0	29.8	27.0		
18			55.7	57.5	60.1	62.5	70.7	59.2	67.9	60.2	62.6	68.9		
19			E	E	G	J	C	E	C	E	E	C		
20			0	0	0	0	0	0	0	0	0	0		
21	30	84.0	5.6	6.7	7.4	4.7	4.6	7.3	5.8	6.1	5.0	6.0		
21	40	84.0	-2.8	-1.6	-0.9	-3.7	-3.7	-1.1	-2.5	-2.2	-3.3	-2.3		

1	2	3	4	5	6	7	8	9	10	11	12
TUR14500	TUR	5.0	34.4	38.9	2.68	1.04	168	A883	A884	1	
			34.3	39.0	3.13	1.38	168	A887	A882	2	

			1		2		3		4		5		6	
13														
14			26.5		36.0		27.2		44.5		42.7		35.0	
15			41.6		36.0		37.0		37.6		41.5		42.0	
16	01	63.7	2.7	3.3	7.1	7.2	3.7	4.3	0.6	1.4	-1.7	-0.8	2.4	3.1
16	05	63.8	0.3	1.0	6.3	6.3	3.2	3.7	0.4	1.1	-1.8	-1.0	2.0	2.6
16	09	63.8	0.3	1.0	6.3	6.3	3.2	3.7	0.4	1.1	-1.8	-1.0	2.0	2.6
16	13	63.9	0.3	1.0	6.4	6.4	3.3	3.8	0.4	1.1	-1.8	-1.0	2.1	2.7
16	17	63.9	0.3	1.0	6.5	6.5	3.3	3.8	0.5	1.2	-1.6	-0.8	2.2	2.8
17			44.8	44.8	36.2	32.8	27.4	25.7	26.6	35.0	42.8	26.3		
18			39.7	37.2	35.9	36.0	36.7	40.2	42.0	42.1	41.7	38.3		
19			K	K	K	K	L	L	K	K	K	L		
20			0	0	0	10	10	0	0	0	0	0		
21	01	84.0	4.7	4.4	5.4	5.2	4.9	5.1	4.7	5.3	4.6	5.2		
21	05	84.0	3.4	3.1	4.1	3.8	3.5	3.8	3.4	4.0	3.3	3.9		
21	09	84.0	3.4	3.1	4.1	3.8	3.5	3.8	3.4	4.0	3.3	3.9		
21	13	84.0	3.5	3.1	4.2	3.9	3.6	3.9	3.5	4.0	3.3	4.0		
21	17	84.0	3.5	3.2	4.2	3.9	3.6	3.9	3.5	4.1	3.3	4.0		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 43

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BDI27000	BDI	11.0	29.9 29.9	-3.1 -3.1	0.71 0.71	0.60 0.60	80 80	A883 A887	A884 A882	2 1	

			1		2		3		4	
13										
14			29.2		29.1		29.5		30.3	
15			-2.8		-2.7		-4.2		-2.7	
16	22	63.4	3.8	4.1	3.3	3.7	3.3	3.7	3.7	4.1
16	26	63.4	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	30	63.5	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	34	63.5	3.8	4.1	3.3	3.7	3.3	3.7	3.6	4.0
16	38	63.6	3.3	3.7	2.8	3.3	2.8	3.3	3.3	3.7

17		29.2	30.3	29.5	
18		-2.8	-2.7	-4.2	
19		K	K	K	
20		0	0	0	
21	22	84.0	3.4	4.3	2.7
21	26	84.0	3.4	4.3	2.7
21	30	84.0	3.4	4.3	2.7
21	34	84.0	3.4	4.3	2.7
21	38	84.0	3.5	4.4	2.8

1	2	3	4	5	6	7	8	9	10	11	12
IRQ25600	IRQ	11.0	43.6 43.5	32.8 33.0	1.88 2.28	0.96 1.32	143 145	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			37.5		41.2		44.0		45.8		48.0		43.5	
15			33.3		35.0		37.3		34.2		30.0		30.0	
16	24	63.3	0.9	1.2	3.1	3.1	-0.3	0.2	2.1	2.3	0.7	1.1	2.8	2.8
16	28	63.4	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.3	4.1	3.8
16	32	63.4	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.3	4.1	3.8
16	36	63.5	0.0	0.5	3.3	3.2	-0.1	0.4	2.4	2.5	2.2	2.3	4.1	3.8
16	40	63.5	1.0	1.5	3.9	4.0	0.2	0.8	2.8	3.1	2.7	3.0	4.8	4.8

17		41.2	38.6	42.1	44.5	46.0	46.0	47.5	48.3	44.3	41.5
18		35.6	32.5	36.5	37.1	35.5	33.1	31.5	29.6	29.1	31.1
19		K	E	K	K	K	E	E	E	C	C
20		0	0	0	0	0	0	0	0	0	0
21	24	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.0
21	28	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.1
21	32	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.1
21	36	84.0	1.2	0.3	0.8	0.1	0.6	1.7	1.0	-0.2	0.4	1.1
21	40	84.0	2.9	2.0	2.5	1.8	2.3	3.4	2.7	1.5	2.1	2.7

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 44

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
JOR22400	JOR	11.0	35.8 35.8	31.4 31.4	0.84 0.84	0.78 0.78	114 114	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			34.5		36.1		38.1		38.3		35.0		33.3	
15			29.1		29.0		30.3		33.3		34.0		31.1	
16	23	63.1	1.1	0.6	0.5	0.1	-1.3	-1.3	-1.7	-1.6	-1.6	-1.5	0.7	0.3
16	27	63.1	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.3	-2.7	-1.6	-1.2	2.7	2.2
16	31	63.2	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.2	-2.6	-1.6	-1.2	2.7	2.2
16	35	63.2	0.9	0.9	0.3	0.4	-1.4	-1.0	-3.3	-2.7	-1.6	-1.2	2.7	2.2
16	39	63.3	0.3	0.4	-0.1	0.1	-1.7	-1.3	-3.3	-2.7	-1.7	-1.3	2.4	2.0

17		35.8	35.1	36.0	35.0	39.0	38.0
18		32.0	29.5	32.6	32.0	32.5	30.5
19		E	E	E	E	E	C
20		0	0	0	0	0	0
21	23	85.0	1.1	-1.4	0.0	0.1	-4.2	-3.2
21	27	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	31	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	35	85.0	2.9	0.3	1.8	1.9	-2.4	-1.4
21	39	85.0	2.9	0.4	1.9	2.0	-2.4	-1.4

1	2	3	4	5	6	7	8	9	10	11	12
KEN24900	KEN	11.0	37.9 37.9	1.1 1.1	2.29 2.29	1.56 1.56	94 94	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			41.9		41.6		39.2		33.9		34.0		36.4	
15			3.9		-1.6		-4.7		-1.0		4.2		4.6	
16	21	63.7	10.0	7.5	12.0	8.3	11.9	8.3	6.9	5.9	9.2	7.1	11.2	8.0
16	25	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.7	6.2	9.1	6.0	10.4	6.4
16	29	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0	10.4	6.4
16	33	63.9	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0	10.4	6.4
16	37	63.9	8.5	5.7	11.1	6.6	11.7	6.7	9.1	5.9	8.4	5.6	9.8	6.2

17		36.5	40.1	35.3	38.0	35.5	
18		-0.9	-3.1	0.5	2.7	4.9	
19		J	J	K	J	K	
20		350	0	0	0	1100	
21	21	84.0	1.6	0.1	1.0	2.2	0.1
21	25	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	29	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	33	84.0	-0.4	-1.9	-1.0	0.2	-1.9
21	37	84.0	-0.5	-2.0	-1.1	0.1	-2.0

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
LBN27900	LBN	11.0	35.8 35.8	33.9 33.9	0.60 0.60	0.60 0.60	0 0	A883 A887	A884 A882	2 1	

			1		2		3		4	
13										
14			35.4		35.3		36.2		36.8	
15			33.7		33.0		33.7		34.5	
16	03	61.6	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7
16	07	61.7	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7
16	11	61.7	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7
16	15	61.8	0.9	1.9	0.0	1.0	1.0	2.0	-0.3	0.7
16	19	61.8	0.9	1.9	0.0	1.0	0.9	1.9	-0.3	0.7

17			35.4		35.3		36.2		36.8	
18			33.7		33.0		33.7		34.5	
19			E		E		E		K	
20			0		0		0		0	
21	03	84.0	15.9		14.2		15.9		14.3	
21	07	84.0	15.9		14.2		15.9		14.3	
21	11	84.0	15.9		14.2		15.9		14.3	
21	15	84.0	15.9		14.2		15.9		14.3	
21	19	84.0	15.9		14.2		15.9		14.3	

1	2	3	4	5	6	7	8	9	10	11	12
RRW31000	RRW	11.0	30.0 30.0	-2.1 -2.1	0.66 0.66	0.60 0.60	42 42	A883 A887	A884 A882	2 1	

			1		2		3		4		5	
13												
14			30.3		29.0		29.8		31.0		30.5	
15			-1.0		-2.2		-2.5		-2.5		-2.5	
16	04	64.9	0.0	0.6	0.9	1.4	2.4	2.8	0.9	1.4	1.9	2.3
16	08	64.9	0.0	0.6	0.9	1.4	2.5	2.8	0.9	1.4	1.9	2.3
16	12	64.9	0.1	0.7	0.9	1.4	2.5	2.8	0.9	1.4	2.0	2.4
16	16	65.0	0.1	0.7	0.9	1.4	2.5	2.8	0.9	1.4	2.0	2.4
16	20	65.0	0.0	0.9	0.9	1.8	2.4	3.2	0.7	1.6	1.8	2.6

17			30.3		29.0		29.8		31.0	30.5
18			-1.0		-2.2		-2.5		-2.5	-2.5
19			K		K		K		K	K
20			0		0		0		0	0
21	04	84.0	1.4		2.2		4.4		1.6	3.3
21	08	84.0	1.4		2.2		4.4		1.6	3.3
21	12	84.0	1.4		2.2		4.4		1.6	3.3
21	16	84.0	1.4		2.2		4.4		1.6	3.3
21	20	84.0	7.0		7.8		10.0		7.2	8.9

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SYR22900	SYR	11.0	38.3 38.3	34.9 34.9	1.04 1.04	0.90 0.90	7 7	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			42.2		41.0		36.9		35.6		35.9		38.3	
15			37.2		34.3		32.4		33.0		35.7		37.0	
16	22	63.2	4.2	2.9	3.9	2.7	2.3	1.7	1.9	1.4	1.5	1.1	3.7	2.6
16	26	63.3	3.7	2.6	4.1	2.9	2.2	1.6	1.7	1.3	1.4	1.1	3.5	2.5
16	30	63.3	3.7	2.6	4.2	2.9	2.2	1.6	1.8	1.3	1.4	1.1	3.5	2.5
16	34	63.4	4.2	2.9	4.2	2.9	2.3	1.7	1.8	1.3	1.4	1.1	3.5	2.5

17			42.2		41.0		36.9	35.6	35.9	38.3	36.5	35.9
18			37.2		34.3		32.4	33.0	35.7	37.0	34.0	34.5
19			K		K		E	E	K	K	E	K
20			0		0		0	0	0	0	0	0
21	22	84.0	-3.3		-2.2		-2.5	-2.1	-2.1	-2.0	-0.4	-1.0
21	26	84.0	-3.2		-2.2		-2.5	-2.1	-2.1	-2.0	-0.4	-1.0
21	30	84.0	-3.2		-2.2		-2.5	-2.1	-2.1	-2.0	-0.4	-1.0
21	34	84.0	-3.2		-2.2		-2.5	-2.1	-2.1	-2.0	-0.4	-1.0

1	2	3	4	5	6	7	8	9	10	11	12
SYR33900	SYR	11.0	37.6 37.6	34.2 34.2	1.32 1.32	0.88 0.88	74 74	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			42.0		37.5		35.0		35.0		36.0		38.0	
15			37.5		31.0		31.5		33.0		36.0		37.0	
16	38	63.4	2.8	1.7	1.4	0.8	2.0	1.2	1.4	0.8	0.0	-0.2	2.4	1.5

17			42.0		37.5		35.0	35.0	36.0	38.0	36.5	35.9
18			37.5		31.0		31.5	33.0	36.0	37.0	34.0	34.5
19			K		E		E	E	K	K	E	K
20			0		0		0	0	0	0	0	0
21	38	84.0	-3.9		-3.6		-2.2	-2.4	-4.1	-2.6	-1.0	-2.3

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TZA22500	TZA	11.0	34.6	-6.2	2.41	1.72	129	A883	A884	1	
			34.6	-6.2	2.41	1.72	129	A887	A882	2	

			1		2		3		4		5		6	
13														
14			30.5		34.0		40.0		40.0		35.0		30.0	
15			-1.0		-1.0		-5.0		-10.5		-11.5		-6.0	
16	23	63.7	2.8	2.7	4.7	4.2	8.1	6.2	9.1	6.7	5.6	4.8	4.1	3.7
16	27	63.8	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	31	63.8	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	35	63.9	2.8	2.3	4.8	3.6	8.2	5.4	9.3	5.8	5.7	4.2	4.2	3.3
16	39	63.9	2.7	2.2	4.6	3.5	8.0	5.3	9.0	5.7	5.6	4.1	4.1	3.2

17			30.5	34.0	40.0	40.0	35.0	30.0
18			-1.0	-1.0	-5.0	-10.5	-11.5	-6.0
19			K	K	J	J	J	K
20			0	0	0	0	0	0
21	01	84.0	0.1	0.2	-0.6	0.2	0.0	0.8
21	05	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8
21	09	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8
21	13	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8
21	17	84.0	-1.6	-1.5	-2.3	-1.4	-1.7	-0.8

1	2	3	4	5	6	7	8	9	10	11	12
YEM26600	YEM	11.0	44.3	15.1	1.14	0.70	109	A883	A884	1	
			44.3	15.1	1.14	0.70	109	A887	A882	2	

			1		2		3		4		5	
13												
14			42.0		42.0		44.0		44.5		45.5	
15			15.7		17.5		18.0		14.0		15.0	
16	02	62.6	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2
16	06	62.7	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2
16	10	62.7	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2
16	14	62.8	3.1	3.0	0.7	1.0	0.1	0.5	5.2	4.5	3.3	3.2
16	18	62.8	3.0	2.9	0.6	0.9	0.1	0.5	5.2	4.5	3.3	3.2

17			44.0	44.5	45.5
18			18.0	14.0	15.0
19			C	E	C
20			0	0	0
21	02	84.0	-0.5	2.6	1.4
21	06	84.0	-0.5	2.6	1.4
21	10	84.0	-0.5	2.6	1.4
21	14	84.0	-0.5	2.6	1.4
21	18	84.0	-0.5	2.6	1.4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS00300	ARS	17.0	41.1	23.8	3.52	1.68	134	A883	A884	2	
			44.6	23.4	4.21	2.48	145	A887	A882	1	

			1		2		3		4		5		6	
13														
14			35.5		38.0		39.0		38.0		42.5		47.5	
15			30.0		24.0		21.0		32.0		17.0		17.0	
16	04	62.6	-0.2	0.5	3.0	3.4	4.4	4.6	-0.2	0.5	4.2	4.5	2.7	3.2
16	08	62.7	-0.2	0.5	3.0	3.4	4.3	4.5	-0.1	0.6	4.2	4.5	2.7	3.2
16	12	62.7	-0.2	0.5	3.0	3.4	4.4	4.6	-0.1	0.6	4.2	4.5	2.7	3.2
16	16	62.8	-0.2	0.5	3.0	3.4	4.4	4.6	-0.1	0.6	4.2	4.5	2.7	3.2
16	20	62.8	-0.2	0.5	3.0	3.4	4.6	4.8	-0.3	0.4	8.0	7.4	8.5	7.8

17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3
19			A	C	C	E	C	C	C	C	C	C
20			0	0	0	0	0	0	0	0	0	0
21	04	84.0	3.9	2.6	3.0	2.6	3.3	3.6	2.5	2.8	3.0	2.6
21	08	84.0	3.9	2.6	3.0	2.6	3.3	3.6	2.5	2.8	3.0	2.6
21	12	84.0	3.9	2.5	2.9	2.5	3.3	3.6	2.5	2.7	3.0	2.5
21	16	84.0	3.9	2.6	3.0	2.6	3.3	3.6	2.5	2.8	3.0	2.6
21	20	84.0	4.0	2.7	3.1	2.7	3.4	3.7	2.6	2.9	3.1	2.7

1	2	3	4	5	6	7	8	9	10	11	12
ARS27500	ARS	17.0	48.3	24.6	3.84	1.20	138	A883	A884	2	
			44.6	23.4	4.21	2.48	145	A887	A882	1	

			1		2		3		4		5		6	
13														
14			40.0		40.0		55.5		50.0		56.0		50.0	
15			32.0		30.0		24.0		18.5		21.0		26.5	
16	02	62.8	8.8	6.7	11.0	7.6	2.7	2.7	1.7	1.9	3.6	3.4	6.7	5.5
16	06	62.9	8.8	6.7	11.0	7.6	2.6	2.6	1.6	1.8	3.6	3.4	6.6	5.5
16	10	62.9	8.9	6.7	11.1	7.7	2.7	2.7	1.6	1.8	3.6	3.4	6.6	5.5
16	14	63.0	9.0	6.8	11.3	7.7	7.3	5.9	1.8	2.0	6.7	5.5	7.5	6.0
16	18	63.0	8.9	6.7	11.1	7.7	3.9	3.6	1.8	2.0	4.9	4.4	7.3	5.9

17			39.2	34.4	37.0	40.0	48.5	50.2	56.0	55.2	46.7	42.8
18			21.5	28.1	30.0	32.0	28.5	26.3	22.2	20.0	16.1	16.3
19			A	C	C	E	C	C	C	C	C	C
20			0	0	0	0	0	0	0	0	0	0
21	02	84.0	1.1	-0.3	0.1	-0.3	0.5	0.8	-0.4	-0.1	0.2	-0.3
21	06	84.0	1.1	-0.3	0.1	-0.3	0.5	0.8	-0.4	-0.1	0.2	-0.3
21	10	84.0	1.1	-0.3	0.1	-0.3	0.5	0.8	-0.4	-0.1	0.2	-0.3
21	14	84.0	1.1	-0.3	0.1	-0.3	0.5	0.8	-0.4	-0.1	0.2	-0.3
21	18	84.0	1.0	-0.3	0.1	-0.3	0.4	0.7	-0.4	-0.1	0.1	-0.3

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 49

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
ARS34000	ARS	17.0	52.3	24.8	2.68	0.70	143	A883	A884	1	
			44.6	23.4	4.21	2.48	145	A887	A882	2	

13			1		2		3		4		5		6				
14			48.0		53.0		56.0		59.0		52.5		48.7				
15			30.0		27.5		25.0		21.0		22.0		24.0				
16	23	63.2	1.2	1.1	7.5	5.1	4.7	3.6	5.1	3.8	4.9	3.7	4.8	3.6			
17			39.2	34.4	37.0		40.0		48.5		50.2		56.0		55.2		46.7	42.8
18			21.5	28.1	30.0		32.0		28.5		26.3		22.2		20.0		16.1	16.3
19			A	C	C		E		C		C		C		C		C	C
20			0	0	0		0		0		0		0		0		0	0
21	23	84.0	-0.9	-2.2	-1.8		-2.2		-1.5		-1.2		-2.3		-2.0		-1.8	-2.2

1	2	3	4	5	6	7	8	9	10	11	12
BHR25500	BHR	17.0	50.5	26.1	0.60	0.60	0	A883	A884	1	
			50.5	26.1	0.60	0.60	0	A887	A882	2	

13			1		
14			52.3		
15			24.4		
16	27	60.8	4.6	5.1	
16	31	60.9	4.6	5.1	
16	35	61.0	4.6	5.1	
16	39	61.0	4.6	5.1	
17			50.5		
18			26.1		
19			C		
20			0		
21	27	84.0	4.4		
21	31	84.0	4.4		
21	35	84.0	4.4		
21	39	84.0	4.4		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 50

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
KWT11300	KWT	17.0	47.6	29.2	0.68	0.60	145	A883	A884	2	
			47.6	29.2	0.68	0.60	145	A887	A882	1	

13			1		2		3		4		5					
14			46.3		47.1		48.3		48.5		47.4					
15			28.3		30.0		29.8		28.5		29.0					
16	22	63.1	0.3	0.8	2.7	2.9	3.4	3.5	1.6	2.0	3.2	3.4				
16	26	63.1	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6				
16	30	63.2	1.0	1.7	3.4	3.9	4.2	4.6	2.4	3.0	4.1	4.6				
16	34	63.2	1.0	1.7	3.5	4.0	4.2	4.6	2.4	3.0	4.1	4.6				
16	38	63.3	0.8	1.5	3.2	3.7	3.9	4.4	2.2	2.8	3.9	4.4				
17			46.3	47.1	48.3		48.5	47.4								
18			28.3	30.0	29.8		28.5	29.0								
19			C	E	E		C	C								
20			0	0	0		0	0								
21	22	84.0	0.9	2.1	2.7		1.6	3.6								
21	26	84.0	3.8	5.0	5.6		4.5	6.5								
21	30	84.0	3.8	5.0	5.6		4.5	6.5								
21	34	84.0	3.8	5.0	5.6		4.5	6.5								
21	38	84.0	3.8	5.0	5.6		4.5	6.5								

1	2	3	4	5	6	7	8	9	10	11	12
OMA12300	OMA	17.0	55.6	21.0	1.88	1.02	100	A883	A884	2	
			55.6	21.0	1.88	1.02	100	A887	A882	1	

13			1		2		3		4		5		6					
14			52.0		53.0		58.0		60.0		56.0		55.1					
15			19.0		17.0		19.0		22.5		26.5		22.5					
16	24	63.3	3.6	3.6	5.8	5.3	5.0	4.7	2.5	2.7	0.0	0.5	3.3	3.4				
16	28	63.3	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.0	0.7	4.8	4.9				
16	32	63.4	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.8	1.4	4.6	4.7				
16	36	63.4	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.0	0.7	4.8	4.9				
16	40	63.5	5.4	6.1	7.4	7.9	8.7	9.0	5.9	6.5	2.3	3.1	7.1	7.6				
17			52.7	52.0	52.0		57.9	55.0	59.8		55.7	55.5	56.5	58.9				
18			17.0	18.7	19.0		19.0	20.0	22.3		22.5	25.0	26.4	20.3				
19			C	C	C		E	C	E		C	C	C	C				
20			75	600	150		0	100	0		100	300	0	0				
21	24	86.0	1.3	0.9	0.9		2.0	4.4	0.5		4.2	2.3	1.3	1.2				
21	28	86.0	2.8	2.5	2.5		3.6	5.9	2.0		5.8	3.9	2.8	2.8				
21	32	86.0	2.8	2.5	2.5		3.6	5.9	2.0		5.8	3.9	2.8	2.8				
21	36	86.0	2.8	2.5	2.5		3.6	5.9	2.0		5.8	3.9	2.8	2.8				
21	40	86.0	8.0	7.7	7.7		8.8	11.2	7.3		11.0	9.1	8.1	8.0				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 51

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
QAT24700	QAT	17.0	51.1	25.3	0.60	0.60	0	A883	A884	1	
			51.1	25.3	0.60	0.60	0	A887	A882	2	

			1		2		3		4	
13			51.1		52.3		50.8		50.7	
14			26.2		24.8		24.7		25.3	
15			C		C		C		C	
16			0		0		0		0	
16	01	61.8	3.5	3.7	1.7	2.1	3.0	3.2	4.0	4.1
16	05	61.8	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6
16	09	61.9	2.4	2.2	0.9	1.0	2.1	1.9	3.0	2.6
16	13	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6
16	17	62.0	2.5	2.2	1.0	1.1	2.1	1.9	3.0	2.6
17			51.1		52.3		50.8		50.7	
18			26.2		24.8		24.7		25.3	
19			C		C		C		C	
20			0		0		0		0	
21	01	84.0	2.5	1.2	3.6	4.7	2.0	2.1	2.2	
21	05	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8	
21	09	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8	
21	13	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8	
21	17	84.0	-0.5	-1.8	0.7	1.7	-1.0	-0.9	-0.8	

1	2	3	4	5	6	7	8	9	10	11	12
UAE27400	UAE	17.0	53.6	24.2	0.98	0.80	162	A883	A884	1	
			53.6	24.4	0.98	0.80	162	A887	A882	2	

			1		2		3		4		5		6	
13			50.8		51.9		54.9		55.8		56.3		56.0	
14			24.6		23.0		22.4		24.0		25.4		26.0	
15			C		C		C		C		C		C	
16			0		120		100		150		450		0	
16	21	63.2	6.7	5.9	7.9	6.7	8.1	6.8	10.0	7.8	9.2	7.4	8.2	6.9
16	25	63.2	6.0	4.6	6.3	4.8	4.5	3.7	6.2	4.7	5.5	4.3	4.8	3.9
16	29	63.3	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2	4.8	3.9
16	33	63.3	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2	4.8	3.9
16	37	63.4	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2	4.8	3.9
17			52.3		50.8		51.9		55.1		56.1		56.4	
18			25.5		24.5		23.0		22.5		24.1		25.0	
19			C		C		C		C		C		C	
20			0		120		100		150		450		0	
21	21	84.0	2.8	2.0	2.2		0.7		2.5		2.2		1.4	
21	25	84.0	0.4	-0.3	-0.2		-1.7		0.1		-0.2		-1.0	
21	29	84.0	0.4	-0.3	-0.2		-1.7		0.1		-0.2		-1.0	
21	33	84.0	0.4	-0.3	-0.2		-1.7		0.1		-0.2		-1.0	
21	37	84.0	0.4	-0.3	-0.2		-1.7		0.1		-0.2		-1.0	

			5		6	
13			56.3		56.0	
14			25.4		26.0	
15			C		C	
16			900		0	
16	21	63.2	1.0		2.3	3.3
16	25	63.2	-1.4		-0.1	0.9
16	29	63.3	-1.4		-0.1	0.9
16	33	63.3	-1.4		-0.1	0.9
16	37	63.4	-1.4		-0.1	0.9
17			56.2		55.0	54.4
18			26.1		25.9	25.5
19			C		C	C
20			900		0	0
21	21	84.0	1.0		2.3	3.3
21	25	84.0	-1.4		-0.1	0.9
21	29	84.0	-1.4		-0.1	0.9
21	33	84.0	-1.4		-0.1	0.9
21	37	84.0	-1.4		-0.1	0.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 52

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BLR06200	URS	23.0	27.8	52.6	1.08	0.72	1	A883	A884	2	2.
			29.5	51.4	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13			23.5		23.4		26.5		30.5		32.8		30.9	
14			53.9		51.5		49.8		51.2		53.4		55.6	
16	21	64.8	4.3	2.1	3.0	1.5	4.0	2.0	6.7	3.1	5.4	2.6	4.5	2.2
17			33.0		39.7		38.6		34.1		23.5			
18			65.2		60.5		51.7		44.8		53.9			
19			C		C		E		K		H			
20			0		0		0		0		0			
21	21	89.0	-5.0		-5.0		-4.8		-4.6		-3.3			

1	2	3	4	5	6	7	8	9	10	11	12
BLR06201	URS	23.0	27.8	52.6	1.08	0.72	1	A883	A884	2	2.
			24.8	56.7	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13			23.5		23.4		26.5		30.5		32.8		30.9	
14			53.9		51.5		49.8		51.2		53.4		55.6	
16	25	64.9	5.3	3.0	3.6	2.1	4.6	2.7	7.9	4.1	7.7	4.0	8.8	4.3
17			37.5		35.0		30.3							
18			69.3		56.9		49.0							
19			C		E		K							
20			0		0		0							
21	25	89.0	-4.2		-3.9		-3.7							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
DJI09900	DJI	23.0	42.5	11.6	0.60	0.60	0	A883	A884	1	
			42.5	11.6	0.60	0.60	0	A887	A882	2	

			1		2		3		4		5		6	
13			43.5		41.9		43.0		43.5		42.7		41.9	
14			12.5		10.8		10.8		11.6		12.6		11.8	
15			E		E		E		E		E		E	
16			0		0		0		0		0		0	
16	21	62.5	0.7	1.3	-0.2	0.4	0.3	0.9	1.3	1.8	1.1	1.6	1.4	1.9
16	25	62.6	0.8	1.4	-0.1	0.6	0.3	0.9	1.3	1.8	1.2	1.8	1.5	2.0
16	29	62.6	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9	0.7	1.3
16	33	62.7	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9	0.7	1.3
16	37	62.7	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9	0.7	1.3
17			43.5		41.9		43.0		43.5		42.7		41.9	
18			12.5		10.8		10.8		11.6		12.6		11.8	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	21	84.0	1.4		2.8		2.7		2.9		2.6		4.1	
21	25	84.0	1.9		3.2		3.1		3.4		3.1		4.6	
21	29	84.0	1.9		3.2		3.1		3.4		3.0		4.6	
21	33	84.0	1.9		3.2		3.1		3.4		3.0		4.6	
21	37	84.0	1.9		3.2		3.1		3.4		3.0		4.6	

1	2	3	4	5	6	7	8	9	10	11	12
SOM31200	SOM	23.0	45.0	6.4	3.26	1.54	71	A883	A884	1	
			45.0	6.4	3.26	1.54	71	A887	A882	2	

			1		2		3		4		5	
13			43.2		50.4		45.2		42.0		44.4	
14			11.2		11.5		2.0		-1.0		9.5	
15			E		E		E		J		E	
16			0		0		0		0		0	
16	03	62.3	4.5	4.7	5.0	5.1	7.8	7.2	5.9	5.8	7.0	6.7
16	07	62.4	4.5	4.7	5.0	5.1	7.8	7.2	5.9	5.8	7.0	6.7
16	11	62.4	4.5	4.7	5.0	5.1	7.8	7.2	5.9	5.8	7.0	6.7
16	15	62.5	4.5	4.7	5.0	5.1	7.9	7.3	6.0	5.9	7.0	6.7
16	19	62.6	7.3	6.9	8.2	7.5	10.1	8.7	7.3	6.9	10.0	8.6
17			43.2		50.4		45.2		42.0		44.4	
18			11.2		11.5		2.0		-1.0		9.5	
19			E		E		E		J		E	
20			0		0		0		0		0	
21	02	84.0	2.4		2.7		4.2		3.1		4.5	
21	06	84.0	2.4		2.7		4.2		3.1		4.5	
21	10	84.0	2.4		2.7		4.2		3.1		4.5	
21	14	84.0	2.4		2.7		4.2		3.1		4.5	
21	18	84.0	2.4		2.6		4.2		3.1		4.5	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
UKR06300	URS	23.0	31.2	48.4	2.32	0.96	172	A883	A884	2	2.
			29.5	51.4	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13			28.1		40.2		22.1		23.6		30.9		34.0	
14			45.6		49.6		48.4		51.6		52.1		44.4	
15			E		E		E		E		E		E	
16			0		0		0		0		0		0	
16	29	64.6	4.1	2.5	9.4	4.6	0.0	-0.2	4.0	2.4	7.9	4.1	7.9	4.1
16	33	64.7	4.1	2.5	9.4	4.6	0.0	-0.2	4.0	2.4	7.9	4.1	7.9	4.1
16	37	64.7	4.1	2.5	9.3	4.6	0.0	-0.2	4.0	2.4	7.9	4.1	7.9	4.1
17			33.0		39.7		38.6		34.1					
18			63.2		60.5		51.7		44.8					
19			C		C		E		K					
20			0		0		0		0					
21	29	89.0	-3.5		-4.1		-3.9		-3.8					
21	33	89.0	-3.5		-4.1		-3.9		-3.8					
21	37	89.0	-3.5		-4.1		-3.9		-3.8					

1	2	3	4	5	6	7	8	9	10	11	12
URS05900	URS	23.0	36.0	47.0	3.70	1.43	153	A883	A884	2	2.
			47.2	40.9	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13			22.0		19.9		22.0		27.9		28.7		48.8	
14			48.4		55.0		58.9		59.4		45.2		38.4	
15			E		E		C		E					
16			0		0		0		0					
16	27	65.2	-1.2	-0.2	5.6	6.5	6.1	6.9	8.3	9.0	2.9	3.8	6.9	7.7
17			52.5		57.8		56.0		43.9					
18			50.0		47.6		41.5		46.6					
19			E		E		C		E					
20			0		0		0		0					
21	27	89.0	11.4		11.4		11.5		11.6					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 55

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS05901	URS	23.0	36.0 29.5	47.0 51.4	3.70 2.00	1.43 2.00	153 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			22.0		19.9		22.0		27.9		28.7		48.8	
15			48.4		55.0		58.9		59.4		45.2		38.4	
16	31	65.2	-1.2	-0.2	5.7	6.7	6.2	7.2	8.4	9.4	2.9	3.9	6.9	7.9
17			33.0		39.7		38.6		34.1					
18			63.2		60.5		51.7		44.8					
19			C		C		E		K					
20			0		0		0		0					
21	31	89.0	22.5		22.0		22.2		22.3					

1	2	3	4	5	6	7	8	9	10	11	12
URS05902	URS	23.0	36.0 37.7	47.0 55.8	3.70 2.00	1.43 2.00	153 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			22.0		19.9		22.0		27.9		28.7		48.8	
15			48.4		55.0		58.9		59.4		45.2		38.4	
16	35	65.3	-1.2	-0.2	5.7	6.7	6.1	7.1	8.8	9.8	2.9	3.9	7.1	8.1
16	39	65.3	-1.3	-0.3	5.9	6.9	6.3	7.3	8.7	9.7	2.9	3.9	7.0	8.0
17			61.6	48.9	41.2	34.5	29.3	27.7	34.1					
18			69.3	56.5	48.4	45.5	48.0	55.5	66.7					
19			A	C	E	K	K	E	C					
20			0	0	0	0	0	0	0					
21	35	89.0	22.4	22.7	23.0	23.1	23.0	22.9	22.6					
21	39	89.0	22.4	22.7	22.9	23.0	23.0	22.8	22.5					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 56

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06000	URS	23.0	41.5 37.7	57.4 55.8	3.08 2.00	1.56 2.00	153 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			28.3		27.7		32.7		39.1		43.6		53.3	
15			68.9		60.5		53.2		49.8		47.5		54.0	
16	04	66.7	-0.3	0.2	2.9	3.0	8.7	6.9	10.2	7.6	8.6	6.8	11.0	7.9
16	08	66.8	-0.3	0.2	2.9	3.0	8.8	6.9	10.2	7.6	8.7	6.9	11.1	8.0
16	12	66.9	5.8	5.1	4.9	4.5	8.8	6.9	10.3	7.6	8.7	6.9	11.4	8.1
16	16	66.9	5.9	5.2	5.0	4.6	8.9	7.0	10.4	7.7	8.9	7.0	13.1	8.6
17			61.6	48.9	41.2	34.5	29.3	27.7	34.1					
18			69.3	56.5	48.4	45.5	48.0	55.5	66.7					
19			A	C	E	K	K	E	C					
20			0	0	0	0	0	0	0					
21	04	89.0	0.1	0.4	0.6	0.7	0.7	0.5	0.2					
21	08	89.0	0.1	0.4	0.6	0.7	0.7	0.5	0.2					
21	12	89.0	0.1	0.4	0.7	0.8	0.7	0.6	0.3					
21	16	89.0	0.1	0.4	0.6	0.7	0.7	0.5	0.2					

1	2	3	4	5	6	7	8	9	10	11	12
URS06100	URS	23.0	24.7 24.8	56.6 56.7	0.88 2.00	0.64 2.00	12 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			21.0		21.3		22.8		28.0		23.5		25.8	
15			56.8		55.3		54.4		59.4		59.2		54.1	
16	03	65.0	1.2	1.7	0.6	1.2	0.5	1.1	0.9	1.4	1.9	2.3	0.0	0.6
16	07	65.1	1.2	1.7	0.7	1.3	0.5	1.1	1.0	1.5	1.9	2.3	0.0	0.6
16	15	65.2	1.4	1.9	0.8	1.4	0.6	1.2	1.2	1.7	2.3	2.7	0.0	0.6
16	19	65.2	2.1	2.6	1.3	1.8	1.1	1.7	1.1	1.7	2.5	2.9	0.6	1.2
16	23	65.3	0.1	-3.2	-0.9	-3.6	-0.2	-3.3	3.1	-2.3	2.9	-2.4	-0.6	-3.5
17			37.5	35.0	30.3									
18			69.3	56.9	49.0									
19			C	E	K									
20			0	0	0									
21	03	89.0	1.5	1.9	2.0									
21	07	89.0	1.5	1.9	2.1									
21	15	89.0	1.6	1.9	2.1									
21	19	89.0	1.8	2.1	2.3									
21	23	89.0	-11.2	-10.9	-10.7									

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 57

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06101	URS	23.0	24.7 29.5	56.6 51.4	0.88 2.00	0.64 2.00	12 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			21.0		21.3		22.8		28.0		23.5		25.8	
15			56.8		55.3		54.4		59.4		59.2		54.1	
16	11	65.1	1.3	1.8	0.7	1.3	0.6	1.2	1.1	1.6	2.0	2.4	0.0	0.6
17			33.0		39.7		38.6		34.1					
18			63.2		60.5		51.7		44.8					
19			C		C		E		K					
20			0		0		0		0					
21	11	89.0	2.1		1.5		1.7		1.9					

1	2	3	4	5	6	7	8	9	10	11	12
URS06400	URS	23.0	45.6 47.2	40.8 40.9	2.16 2.00	0.60 2.00	163 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			46.6		48.9		50.3		44.0		41.5		40.0	
15			38.8		38.4		40.3		40.0		41.5		43.4	
16	01	63.9	1.4	2.3	2.1	3.0	3.1	4.0	1.3	2.2	1.5	2.4	0.7	1.6
16	05	63.9	0.6	1.4	1.2	1.9	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	09	64.0	0.6	1.4	1.2	1.9	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	13	64.1	0.6	1.4	1.2	1.9	2.1	2.8	0.5	1.3	0.5	1.3	-0.5	0.3
16	17	64.1	0.7	1.5	1.4	2.1	2.5	3.2	0.6	1.4	0.6	1.4	-0.2	0.6
17			52.5		57.8		56.0		43.9					
18			50.0		47.6		41.5		46.6					
19			E		E		C		E					
20			0		0		0		0					
21	01	89.0	10.5		10.5		10.6		10.7					
21	05	89.0	4.2		4.2		4.3		4.3					
21	09	89.0	4.2		4.2		4.3		4.3					
21	13	89.0	4.1		4.1		4.3		4.3					
21	17	89.0	4.4		4.4		4.5		4.5					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 58

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS064X0	URS	23.0	45.6 47.2	40.8 40.9	2.16 2.00	0.60 2.00	163 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			46.6		48.9		50.3		44.0		41.5		40.0	
15			38.8		38.4		40.3		40.0		41.5		43.4	
16	23	64.2	4.5	-2.2	5.5	-2.1	8.6	-1.7	6.4	-1.9	7.8	-1.8	6.5	-1.9
17			52.5		57.8		56.0		43.9					
18			50.0		47.6		41.5		46.6					
19			E		E		C		E					
20			0		0		0		0					
21	23	89.0	-11.4		-11.4		-11.3		-11.2					

1	2	3	4	5	6	7	8	9	10	11	12
URS06500	URS	23.0	32.4 37.7	63.1 55.8	1.18 2.00	0.60 2.00	175 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			29.5		30.0		31.7		32.7		37.8		34.8	
15			66.6		63.8		62.9		60.8		61.5		66.6	
16	20	66.6	4.5	3.5	6.1	4.5	6.8	4.8	5.2	4.0	4.6	3.6	5.4	4.1

17			61.6		48.9		41.2		34.5		29.3		27.7	34.1
18			69.3		56.5		48.4		45.5		48.0		55.5	66.7
19			A		C		E		K		K		E	C
20			0		0		0		0		0		0	0
21	20	89.0	-2.1		-1.8		-1.5		-1.4		-1.5		-1.6	-1.9

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 59

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
COM20700	COM	29.0	44.1	-12.1	0.76	0.60	149	A883	A884	2	
			44.1	-12.1	0.76	0.60	149	A887	A882	1	

			1		2		3		4		5		6	
13														
14			43.1		43.1		43.5		44.2		44.4		44.1	
15			-11.4		-11.3		-12.0		-12.0		-12.2		-12.4	
16	03	63.1	5.6	6.3	5.4	6.1	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
16	07	63.1	5.5	6.2	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.2	8.7
16	11	63.2	5.6	6.3	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
16	15	63.3	5.6	6.3	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.7	8.3	8.8
17			43.1		43.1		43.5		44.2		44.4		44.1	
18			-11.4		-11.3		-12.0		-12.0		-12.2		-12.4	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	03	84.0	8.4		8.2		10.0		10.3		10.7		10.3	
21	07	84.0	8.4		8.2		10.0		10.3		10.7		10.3	
21	11	84.0	8.4		8.2		10.0		10.3		10.7		10.3	
21	15	84.0	8.4		8.2		10.0		10.3		10.7		10.3	

1	2	3	4	5	6	7	8	9	10	11	12
MAU24200	MAU	29.0	59.8	-18.9	1.62	1.24	55	A883	A884	1	
			59.8	-18.9	1.62	1.24	55	A887	A882	2	

			1		2		3		4		5		6	
13														
14			55.0		62.0		65.0		60.0		56.0		58.0	
15			-18.0		-16.0		-20.0		-14.0		-20.0		-16.0	
16	02	64.0	5.6	5.9	14.0	11.6	15.2	12.1	5.1	5.5	8.7	8.4	7.3	7.3
16	06	64.0	5.6	5.9	14.0	11.6	15.1	12.0	5.1	5.5	8.7	8.4	7.3	7.3
16	10	64.1	5.6	5.9	14.1	11.6	15.4	12.2	5.1	5.5	8.8	8.5	7.4	7.4
16	14	64.1	5.7	6.0	14.5	11.8	16.2	12.4	5.2	5.6	8.9	8.5	7.5	7.5
16	18	64.2	5.7	6.2	14.4	12.7	16.0	13.5	5.2	5.8	8.8	8.9	7.4	7.7
17			55.0		62.0		65.0		60.0		56.0		58.0	
18			-18.0		-16.0		-20.0		-14.0		-20.0		-16.0	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	02	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	06	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	10	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	14	84.0	4.3		6.4		4.2		4.2		6.0		6.3	
21	18	84.0	6.2		8.3		6.1		6.0		7.8		8.2	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 60

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MAU24300	MAU	29.0	56.8	-13.9	1.56	1.38	65	A883	A884	1	
			56.8	-13.9	1.56	1.38	65	A887	A882	2	

			1		2		3		4		5		6	
13														
14			56.0		58.0		62.0		55.0		53.0		60.0	
15			-10.0		-10.0		-14.0		-18.0		-15.0		-17.0	
16	04	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.4	7.7	6.1	6.0	11.7	9.7
16	08	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0	11.7	9.7
16	12	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0	11.7	9.7
16	16	63.9	8.3	7.7	9.3	8.3	10.7	9.2	8.5	7.8	6.2	6.1	11.8	9.7
17			56.0		58.0		62.0		55.0		53.0		60.0	
18			-10.0		-10.0		-14.0		-18.0		-15.0		-17.0	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	04	84.0	4.0		3.7		2.7		3.1		4.1		3.8	
21	08	84.0	4.0		3.7		2.7		3.1		4.1		3.8	
21	12	84.0	4.0		3.7		2.7		3.1		4.1		3.8	
21	16	84.0	4.0		3.7		2.7		3.1		4.1		3.8	

1	2	3	4	5	6	7	8	9	10	11	12
MDG23600	MDG	29.0	46.6	-18.8	2.72	1.14	65	A883	A884	2	
			46.2	-18.6	2.57	0.80	67	A887	A882	1	

			1		2		3		4		5		6	
13														
14			49.0		49.2		46.3		43.4		44.0		46.2	
15			-12.3		-18.0		-21.2		-23.2		-18.0		-15.4	
16	01	63.4	12.4	11.4	12.8	11.7	15.3	13.0	15.0	12.9	13.4	12.0	14.0	12.4
16	05	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	09	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	13	63.5	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9	11.0	9.1
16	17	63.5	8.0	7.3	9.6	8.4	12.9	10.0	12.6	9.9	10.6	8.9	11.1	9.2
17			49.0		49.2		46.3		43.4		44.0		46.2	
18			-12.3		-18.0		-21.2		-23.2		-18.0		-15.4	
19			P		P		P		P		P		P	
20			0		0		0		0		0		0	
21	01	84.0	8.2		5.8		10.6		8.6		6.5		10.2	
21	05	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	09	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	13	84.0	4.7		2.3		7.1		5.2		3.1		6.7	
21	17	84.0	4.7		2.3		7.1		5.2		3.1		6.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 61

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MYT09800	F	29.0	45.1	-12.8	0.60	0.60	0	A883	A884	1	8/GR6
			45.1	-12.8	0.60	0.60	0	A887	A882	2	

13			1	
14			45.0	
15			-12.8	
16	24	63.4	18.3	19.3
16	28	63.5	19.0	20.0
16	32	63.5	19.0	20.0
16	36	63.6	19.0	20.0
17			45.0	
18			-12.8	
19			N	
20			0	
21	24	84.0	43.9	
21	28	84.0	44.9	
21	32	84.0	44.9	
21	36	84.0	44.9	

1	2	3	4	5	6	7	8	9	10	11	12
MYT09801	F	29.0	45.1	-12.8	0.60	0.60	0	A883	A884	1	8/GR6
			3.7	45.6	1.98	1.71	22	A887	A882	2	

13			1				
14			45.0				
15			-12.8				
16	40	63.6	19.5	20.1			
17			2.5	8.1	9.5	3.0	-1.9	-4.5
18			51.2	49.1	41.2	48.5	43.3	48.5
19			E	H	K	K	H	H
20			0	0	0	0	0	0
21	40	84.0	20.8	20.4	20.5	22.1	20.2	20.5

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 62

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
REU09700	F	29.0	55.6	-19.2	1.56	0.78	96	A883	A884	1	8/GR5
			55.6	-19.2	1.56	0.78	96	A887	A882	2	

13			1		2		3		4	
14			54.7		55.4		55.8		58.0	
15			-15.7		-21.1		-21.4		-20.0	
16	22	63.9	15.4	16.4	18.1	19.1	18.3	19.3	16.3	17.3
16	26	64.0	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
16	30	64.1	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
16	34	64.1	16.1	17.1	19.0	20.0	19.2	20.2	17.3	18.3
17			54.7	55.4	55.8	58.0				
18			-15.7	-21.1	-21.4	-20.0				
19			N	P	N	N				
20			0	0	0	0				
21	22	84.0	37.5	38.5	38.7	35.8				
21	26	84.0	40.3	41.3	41.4	38.5				
21	30	84.0	40.2	41.2	41.4	38.5				
21	34	84.0	40.3	41.3	41.4	38.6				

1	2	3	4	5	6	7	8	9	10	11	12
REU09701	F	29.0	55.6	-19.2	1.56	0.78	96	A883	A884	1	8/GR5
			3.7	45.2	1.94	1.68	24	A887	A882	2	

13			1		2		3		4	
14			54.7		55.4		55.8		58.0	
15			-15.7		-21.1		-21.4		-20.0	
16	38	64.2	16.2	16.9	19.0	19.4	19.2	19.6	17.3	17.9
17			2.6	8.1	9.5	3.0	-1.9	-1.5		
18			51.2	43.1	41.2	42.5	43.3	48.5		
19			E	H	K	K	H	H		
20			0	0	0	0	0	0		
21	38	84.0	18.7	19.9	18.8	20.2	18.5	19.6		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 63

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IRN10900	IRN	34.0	54.2 54.2	32.4 32.4	3.82 3.82	1.82 1.82	149 149	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			60.2		61.5		61.1		48.2		46.1		44.9	
15			25.2		31.0		36.5		30.3		33.1		39.4	
16	03	62.8	7.3	7.8	6.8	7.4	7.8	8.3	11.6	11.4	12.3	11.9	10.8	10.8
16	07	62.8	7.3	7.8	6.7	7.3	7.7	8.2	11.6	11.4	12.2	11.9	10.7	10.7
16	11	62.9	7.3	8.0	6.8	7.5	7.6	8.3	11.7	11.9	12.5	12.5	11.1	11.4
16	15	63.0	8.5	9.2	7.6	8.3	8.1	8.8	11.9	12.2	12.6	12.8	11.2	11.6
16	19	63.0	7.2	8.0	8.9	9.6	6.8	7.6	10.4	11.0	10.5	11.1	8.6	9.3

17			48.0		44.6		56.5		61.2		61.8		63.3	
18			39.7		39.8		38.2		36.6		31.3		27.1	
19			K		K		C		C		E		E	
20			0		0		0		0		0		0	
21	03	84.0	8.8		8.0		8.5		7.6		9.5		8.6	
21	07	84.0	8.8		8.1		8.6		7.6		9.5		8.6	
21	11	84.0	10.6		9.8		10.3		9.4		11.2		10.4	
21	15	84.0	12.0		11.3		11.8		10.8		12.7		11.8	
21	19	84.0	12.7		11.9		12.4		11.5		13.3		12.5	

17			45.4											
18			34.0											
19			K											
20			0											
21	03	84.0	8.9											
21	07	84.0	8.9											
21	11	84.0	10.6											
21	15	84.0	12.1											
21	19	84.0	12.7											

1	2	3	4	5	6	7	8	9	10	11	12
PAK12700	PAK	38.0	69.6 69.6	29.5 29.5	2.30 2.30	2.16 2.16	14 14	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			70.0		74.5		75.0		74.5		71.7		66.5	
15			34.0		35.7		32.3		30.8		28.4		30.9	
16	02	63.9	4.7	5.6	1.8	2.8	4.2	5.2	5.4	6.3	7.8	8.7	8.0	8.9
16	06	64.0	4.7	5.6	1.8	2.8	4.3	5.2	5.4	6.3	7.8	8.7	8.0	8.9
16	10	64.0	4.8	5.7	1.8	2.8	4.3	5.3	5.4	6.3	7.9	8.8	8.1	9.0

17			70.0		74.5		75.0		74.5		71.7		66.5	
18			34.0		35.7		32.3		30.8		28.4		30.9	
19			C		E		E		E		E		E	
20			0		0		0		0		0		0	
21	02	84.0	15.6		14.7		16.0		16.2		16.7		16.3	
21	06	84.0	14.5		13.6		14.9		15.1		15.6		15.2	
21	10	84.0	15.9		15.1		16.3		16.6		17.1		16.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 64

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK21000	PAK	38.0	72.1 72.1	30.8 30.8	1.16 1.16	0.72 0.72	90 90	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			75.2		70.1		72.3		73.7		71.8		70.4	
15			32.2		27.8		33.7		33.9		28.0		31.3	
16	12	63.5	-0.1	0.8	0.1	1.0	-1.4	-0.5	-0.6	0.3	-0.6	0.3	1.6	2.5
16	14	63.6	1.5	2.5	6.2	7.2	2.0	3.0	2.1	3.1	5.1	6.1	4.5	5.5

17			75.2		70.1		72.3		73.7		71.8		70.4	
18			32.2		27.8		33.7		33.9		28.0		31.3	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	12	84.0	7.2		8.5		8.0		8.7		8.4		8.1	
21	14	84.0	17.8		19.1		18.6		19.4		19.0		18.8	

1	2	3	4	5	6	7	8	9	10	11	12
PAK28100	PAK	38.0	65.2 65.2	27.9 27.9	1.52 1.52	1.42 1.42	28 28	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			69.5		61.8		61.3		66.8		69.3		66.4	
15			32.2		25.2		29.5		25.0		28.6		30.5	
16	18	63.0	2.5	3.4	6.4	7.2	7.2	8.0	8.8	9.5	5.6	6.5	8.6	9.3
16	22	63.1	2.8	3.7	13.5	13.9	13.0	13.5	12.5	13.0	6.1	7.0	9.8	10.5

17			69.5		61.8		61.3		66.8		69.3		66.4	
18			32.2		25.2		29.5		25.0		28.6		30.5	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	18	84.0	11.8		13.3		12.1		12.6		13.4		14.1	
21	22	84.0	13.0		14.4		13.2		13.8		14.5		15.2	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 65

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PAK28200	PAK	38.0	68.5	25.8	1.32	0.62	133	A883	A884	1	
			68.5	25.8	1.32	0.62	133	A887	A882	2	

13			1		2		3		4		5				
14			66.8		71.0		68.3		68.1		67.2				
15			25.2		24.2		28.7		24.1		27.2				
16	20	63.3	3.8	4.8	3.8	4.8	-1.0	0.0	5.4	6.4	2.9	3.9			
16	24	63.4	2.5	3.5	3.3	4.3	-1.3	-0.3	4.2	5.2	2.2	3.2			
17			66.8		71.0		68.3		68.1		67.2				
18			25.2		24.3		28.7		24.1		27.2				
19			E		K		E		E		E				
20			0		0		0		0		0				
21	20	84.0	16.4		17.3		16.3		17.6		19.1				
21	24	84.0	21.6		22.5		21.6		22.8		24.3				

1	2	3	4	5	6	7	8	9	10	11	12
PAK28300	PAK	38.0	74.7	33.9	1.34	1.13	160	A883	A884	1	
			74.7	33.9	1.34	1.13	160	A887	A882	2	

13			1		2		3		4		5		6				
14			70.3		79.8		79.1		75.1		72.8		70.0				
15			31.2		35.6		32.7		37.2		36.7		34.0				
16	04	64.3	3.0	4.0	4.7	5.7	2.5	3.5	6.9	7.9	6.7	7.7	5.5	6.5			
16	08	64.3	3.0	4.0	4.8	5.7	2.5	3.5	7.0	7.9	6.8	7.7	5.5	6.4			
17			70.3		79.8		75.1		72.8		70.0		79.0				
18			31.2		35.6		37.2		36.7		34.0		32.5				
19			E		C		C		E		C		E				
20			0		0		0		0		0		0				
21	04	84.0	19.8		20.5		20.1		19.8		20.2		19.7				
21	08	84.0	13.7		14.3		13.9		13.7		14.0		13.5				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 66

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLD30600	MLD	44.0	73.1	6.0	0.96	0.60	90	A883	A884	1	
			73.1	6.0	0.96	0.60	90	A887	A882	1	

13			1		2		3		4		5		6				
14			71.0		71.0		75.0		75.0		73.0		73.0				
15			5.0		7.5		5.0		7.0		3.0		8.0				
16	12	63.7	4.4	4.8	2.3	2.9	4.5	4.8	4.3	4.7	5.1	5.4	5.8	5.9			
16	16	63.7	6.2	6.3	4.6	5.0	6.4	6.5	6.4	6.5	6.8	6.8	8.4	8.0			
17			73.1														
18			6.0														
19			N														
20			0														
21	12	84.0	3.4														
21	16	84.0	3.6														

1	2	3	4	5	6	7	8	9	10	11	12
URS06600	URS	44.0	64.3	44.6	4.56	2.48	169	A883	A884	2	2.
			64.8	38.3	2.00	2.00	0	A886	A882	1	

13			1		2		3		4		5		6				
14			53.9		62.4		71.6		69.0		87.3		46.6				
15			37.3		35.2		37.3		59.1		49.2		48.7				
16	20	65.4	7.7	8.3	9.1	9.6	7.5	8.1	16.7	15.3	8.9	9.4	12.1	12.1			
17			68.4		73.4		72.7		57.6		61.2						
18			46.6		44.4		38.7		38.0		43.7						
19			E		C		E		C		E						
20			0		0		0		0		0						
21	20	89.0	9.0		9.0		9.1		9.3		9.1						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 67

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06601	URS	44.0	64.3 73.8	44.6 41.4	4.56 2.00	2.48 2.00	169 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	24	65.4	7.8	8.4	10.2	10.6	8.5	9.1	17.1	15.7	14.5	14.0	16.0	15.1
16	32	65.5	8.1	9.1	12.1	13.0	17.9	18.6	19.2	19.8	1.7	2.7	13.6	14.5
17			81.2	87.1	65.4	71.0								
18			50.8	48.6	40.9	47.2								
19			E	E	E	E								
20			0	0	0	0								
21	24	89.0	9.5	9.5	9.8	9.7								
21	32	89.0	20.8	20.8	21.1	21.0								

1	2	3	4	5	6	7	8	9	10	11	12
URS06602	URS	44.0	64.3 58.0	44.6 59.0	4.56 2.00	2.48 2.00	169 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	28	65.5	8.1	9.1	12.0	13.0	17.8	18.6	13.8	14.7	13.8	14.7	13.5	14.4
17			70.4	61.5	54.4	48.9	47.0	56.1						
18			59.8	50.8	47.7	50.4	58.7	74.0						
19			C	E	C	E	C	A						
20			0	0	0	0	0	0						
21	28	89.0	22.9	23.1	23.2	23.2	23.0	22.6						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 68

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06603	URS	44.0	64.3 37.7	44.6 55.8	4.56 2.00	2.48 2.00	169 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			53.9		62.4		71.6		69.0		87.3		46.6	
15			37.3		35.2		37.3		59.1		49.2		48.7	
16	36	65.6	8.1	9.1	12.1	13.1	18.2	19.0	19.6	20.3	16.7	17.6	13.6	14.5
16	40	65.6	8.1	9.1	12.1	13.1	18.2	19.0	19.7	20.4	16.7	17.6	14.5	15.4
17			45.0	47.5	44.5	39.1	32.9	27.5						
18			67.0	55.7	48.2	45.5	48.3	56.2						
19			A	C	E	K	K	E						
20			0	0	0	0	0	0						
21	36	89.0	22.6	22.9	23.1	23.1	23.0	22.8						
21	40	89.0	22.7	23.0	23.2	23.2	23.1	23.0						

1	2	3	4	5	6	7	8	9	10	11	12
URS06700	URS	44.0	62.4 37.7	58.5 55.8	3.20 2.00	1.52 2.00	169 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			50.9		47.3		48.8		61.5		74.3		85.9	
15			51.9		62.3		67.3		50.8		53.5		61.6	
16	05	66.4	11.4	12.2	12.6	13.3	12.3	13.1	12.9	13.6	13.4	14.1	15.4	15.9
16	09	66.4	11.4	12.2	12.6	13.3	12.3	13.1	12.9	13.6	13.4	14.1	15.4	15.9
17			45.0	47.5	44.5	39.1	32.9	27.5						
18			67.0	55.7	48.2	45.5	48.3	56.2						
19			A	C	E	K	K	E						
20			100	100	100	100	100	100						
21	05	89.0	15.6	15.9	16.1	16.1	16.0	15.9						
21	09	89.0	15.6	15.9	16.1	16.1	16.0	15.9						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 69

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06701	URS	44.0	62.4 58.0	58.5 59.0	3.20 2.00	1.52 2.00	169 0	A883 A886	A884 A882	1 1	2.

			1	2	3	4	5	6
13								
14			50.9	47.3	48.8	61.5	74.3	85.9
15			51.9	62.3	67.3	50.8	53.5	61.6
16	13	66.5	11.2 9.9	12.4 10.5	12.4 10.5	11.7 10.2	12.2 10.4	14.8 11.6
17			70.4	61.5	54.4	48.9	47.0	56.1
18			59.8	50.8	47.7	50.4	58.7	74.0
19			C	E	C	E	C	A
20			0	0	0	0	0	0
21	13	89.0	3.9	4.2	4.3	4.2	4.0	3.7

1	2	3	4	5	6	7	8	9	10	11	12
URS06702	URS	44.0	62.4 73.8	58.5 41.4	3.20 2.00	1.52 2.00	169 0	A883 A886	A884 A882	1 1	2.

			1	2	3	4	5	6
13								
14			50.9	47.3	48.8	61.5	74.3	85.9
15			51.9	62.3	67.3	50.8	53.5	61.6
16	01	66.3	13.4 11.1	15.9 12.1	15.3 11.9	13.7 11.3	13.8 11.3	16.4 12.3
17			81.2	87.1	65.4	71.0		
18			50.8	48.6	40.9	47.2		
19			E	E	E	E		
20			1000	1000	1000	1000		
21	01	89.0	3.9	3.9	4.2	4.1		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 70

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06800	URS	44.0	59.0 73.8	38.8 41.4	2.24 2.00	1.00 2.00	164 0	A883 A886	A884 A882	2 1	2.

			1	2	3	4	5	6
13								
14			62.5	66.5	57.3	58.9	53.7	52.5
15			35.2	37.4	38.3	42.7	37.4	41.8
16	26	64.0	17.3 18.3	17.2 18.2	18.8 19.8	15.4 16.4	14.6 15.6	12.2 13.2
17			81.2	87.1	65.4	71.0		
18			50.8	48.6	40.9	47.2		
19			E	E	E	E		
20			0	0	0	0		
21	26	89.0	33.5	33.4	33.8	33.6		

1	2	3	4	5	6	7	8	9	10	11	12
URS06801	URS	44.0	59.0 64.8	38.8 38.3	2.24 2.00	1.00 2.00	164 0	A883 A886	A884 A882	2 1	2.

			1	2	3	4	5	6
13								
14			62.5	66.5	57.3	58.9	53.7	52.5
15			35.2	37.4	38.3	42.7	37.4	41.8
16	30	64.1	17.3 18.3	17.2 18.2	18.9 19.8	15.4 16.4	14.6 15.6	12.1 13.1
17			68.4	73.4	72.7	57.6	61.2	
18			46.6	44.4	38.7	38.0	43.7	
19			E	C	E	C	E	
20			0	0	0	0	0	
21	30	89.0	27.9	27.9	28.0	28.2	28.0	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 71

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS06900	URS	44.0	70.8 64.8	38.5 38.3	1.36 2.00	0.74 2.00	161 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13														
14			67.9		71.9		75.1		74.9		70.3		67.3	
15			37.0		36.6		37.3		38.5		41.3		39.5	
16	12	64.1	4.2	2.4	1.1	0.5	-0.8	-0.9	1.6	0.8	4.7	2.6	5.7	3.1
16	16	64.1	6.2	3.7	5.0	3.1	3.7	2.4	5.7	3.5	6.9	4.0	7.7	4.3
17			68.4		73.4		72.7		57.6		61.2			
18			46.6		44.4		38.7		38.0		43.7			
19			E		C		E		C		E			
20			0		0		0		0		0			
21	12	89.0	-4.4		-4.4		-4.3		-4.1		-4.3			
21	16	89.0	-3.7		-3.7		-3.6		-3.4		-3.6			

1	2	3	4	5	6	7	8	9	10	11	12
URS07000	URS	44.0	73.9 73.8	41.0 41.4	1.34 2.00	0.84 2.00	5 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			78.2		74.2		80.3		73.8		69.3		70.2	
15			41.1		43.3		42.2		38.4		39.5		41.5	
16	18	64.5	8.9	9.0	12.3	11.5	8.7	8.8	4.0	4.7	7.5	7.8	10.4	10.1
16	22	64.6	9.8	9.7	12.8	11.8	10.5	10.2	4.2	4.9	7.9	8.1	10.9	10.5
17			81.2		87.1		65.4		71.0					
18			50.8		48.6		40.9		47.2					
19			E		E		E		E					
20			0		0		0		0					
21	18	89.0	6.1		6.1		6.4		6.3					
21	22	89.0	6.0		6.0		6.3		6.2					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 72

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07100	URS	44.0	63.1 73.8	42.0 41.4	2.64 2.00	0.84 2.00	170 0	A883 A886	A884 A882	2 1	2.

			1		2		3		4		5		6	
13														
14			67.8		73.1		71.0		61.8		56.0		56.0	
15			37.2		40.8		42.2		41.1		41.3		45.0	
16	34	64.4	14.0	15.0	9.3	10.3	9.8	10.8	18.8	19.8	15.8	16.8	14.8	15.8
16	38	64.5	14.0	15.0	9.3	10.3	9.8	10.8	18.7	19.7	16.1	17.1	13.6	14.6
17			81.2		87.1		65.4		71.0					
18			50.8		48.6		40.9		47.2					
19			E		E		E		E					
20			0		0		0		0					
21	34	89.0	34.0		33.9		34.2		34.1					
21	38	89.0	32.9		32.8		33.1		33.0					

1	2	3	4	5	6	7	8	9	10	11	12
URS07200	URS	44.0	70.1 58.0	61.5 59.0	2.38 2.00	0.66 2.00	173 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			75.0		69.4		65.9		59.8		85.9		63.1	
15			58.6		59.9		58.6		61.9		61.9		66.2	
16	07	67.1	15.6	16.0	16.0	16.3	14.0	14.6	13.8	14.4	16.0	16.3	13.1	13.7
17			70.4		61.5		54.4		48.9		47.0		56.1	
18			59.8		50.8		47.7		50.4		58.7		74.0	
19			C		E		C		E		C		A	
20			0		0		0		0		0		0	
21	07	89.0	15.0		15.3		15.4		15.3		15.1		14.8	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 73

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07300	URS	44.0	54.3 58.0	63.5 59.0	1.58 2.00	0.66 2.00	3 0	A883 A886	A884 A882	1 2	2.

			1		2		3		4		5		6	
13														
14			49.5		45.8		47.3		52.4		59.2		66.0	
15			59.3		64.2		62.2		67.1		61.6		67.5	
16	03	66.9	10.6	11.4	11.6	12.3	12.4	13.1	13.1	13.7	13.1	13.7	13.4	14.0
17			70.4		61.5		54.4		48.9		47.0		56.1	
18			59.8		50.8		47.7		50.4		58.7		74.0	
19			C		E		C		E		C		A	
20			0		0		0		0		0		0	
21	03	89.0	15.1		15.3		15.4		15.3		15.1		14.8	

1	2	3	4	5	6	7	8	9	10	11	12
AFG24500	AFG	50.0	70.2 67.0	35.5 34.3	1.32 1.89	1.13 1.19	53 18	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			74.8		71.0		67.7		67.2		68.0		68.8	
15			37.2		38.5		37.3		34.0		31.6		31.6	
16	03	62.8	2.9	3.7	4.2	4.9	2.0	2.8	1.9	2.7	0.5	1.4	0.7	1.6
16	07	62.9	2.6	3.4	4.0	4.7	1.8	2.6	1.8	2.6	0.4	1.3	0.6	1.5
16	11	62.9	3.0	3.8	4.0	4.7	1.8	2.6	2.0	2.8	0.7	1.6	0.8	1.6
16	15	63.0	3.6	4.3	4.5	5.2	2.1	2.9	2.5	3.3	1.1	1.9	1.3	2.1
17			69.2		62.1		64.8		70.0		62.2		70.6	
18			34.5		32.4		35.9		33.3		34.4		37.2	
19			E		E		C		E		C		E	
20			0		0		0		0		0		0	
21	03	84.0	8.4		6.8		6.9		7.0		6.4		7.0	
21	07	84.0	8.4		6.8		6.9		7.0		6.3		7.0	
21	11	84.0	8.4		6.8		6.9		7.0		6.3		7.0	
21	15	84.0	8.4		6.8		6.9		7.0		6.3		7.0	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 74

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AFG24600	AFG	50.0	64.5 67.0	33.1 34.3	1.44 1.89	1.40 1.19	21 18	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			67.7		65.6		61.2		60.5		61.0		62.5	
15			37.3		37.5		35.4		34.0		29.9		29.3	
16	01	63.4	-0.2	0.5	0.1	0.8	2.9	3.4	5.1	5.3	7.6	7.3	7.4	7.1
16	05	63.4	-0.3	0.6	-0.1	0.8	2.8	3.6	5.0	5.7	7.5	8.0	7.1	7.6
16	09	63.4	-0.3	0.6	-0.1	0.8	2.8	3.6	5.0	5.7	7.5	7.9	7.1	7.6
16	13	63.4	-0.3	0.6	-0.1	0.8	3.0	3.8	5.4	6.0	8.9	9.1	8.7	8.9
17			69.2		62.1		64.8		70.0		62.2		70.6	
18			34.5		32.4		35.9		33.3		34.4		37.2	
19			E		E		C		E		C		E	
20			0		0		0		0		0		0	
21	01	84.0	5.0		3.5		3.6		3.7		3.0		3.7	
21	05	84.0	9.2		7.6		7.7		7.8		7.2		7.8	
21	09	84.0	9.2		7.6		7.7		7.8		7.1		7.8	
21	13	84.0	8.7		7.1		7.3		7.3		6.7		7.3	

1	2	3	4	5	6	7	8	9	10	11	12
CLN21900	CLN	50.0	80.6 80.6	7.7 7.7	1.18 1.18	0.60 0.60	106 106	A883 A887	A884 A882	1 2	

			1		2		3		4	
13										
14			80.0		79.8		81.0		82.0	
15			10.0		7.5		6.0		7.4	
16	02	63.7	2.9	3.5	6.0	6.2	8.6	8.3	6.5	6.7
16	06	63.6	2.8	3.4	6.0	6.2	8.5	8.2	6.4	6.6
16	10	63.7	2.8	3.4	6.0	6.2	8.6	8.3	6.5	6.7
16	14	63.8	2.8	3.4	6.0	6.2	8.6	8.3	6.5	6.7
17			80.0		79.8		81.0		82.0	
18			10.0		7.5		6.0		7.4	
19			N		N		N		N	
20			0		0		0		0	
21	02	84.0	5.2		5.6		6.3		4.2	
21	06	84.0	5.3		5.6		6.3		4.2	
21	10	84.0	5.2		5.6		6.3		4.2	
21	14	84.0	5.3		5.6		6.3		4.2	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 75

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NPL12200	NPL	50.0	83.7	28.3	1.72	0.60	163	A883	A884	2	
			83.7	28.3	1.72	0.60	163	A887	A882	1	

			1		2		3		4		5		6	
13														
14			80.2		82.0		84.2		88.0		88.0		83.0	
15			28.8		30.1		29.1		27.9		26.5		27.5	
16	17	64.6	3.8	4.8	3.3	4.3	8.3	9.2	6.0	7.0	3.0	4.0	7.8	8.7
16	19	64.6	3.7	4.2	2.9	3.5	7.5	7.5	5.4	5.7	2.5	3.1	7.2	7.2
16	21	64.6	4.4	4.9	3.5	4.1	8.5	8.2	5.8	6.1	2.8	3.4	8.3	8.1
17			80.2		82.0		84.2		88.0		88.0		83.0	
18			28.8		30.1		29.1		27.9		26.5		27.5	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	17	84.0	19.4		17.8		18.5		18.9		17.6		18.4	
21	19	84.0	6.1		4.4		5.2		5.5		4.2		5.0	
21	21	84.0	6.1		4.4		5.2		5.5		4.2		5.0	

1	2	3	4	5	6	7	8	9	10	11	12
IND03800	IND	56.0	75.9	33.4	1.52	1.08	33	A883	A884	1	3.
			75.9	33.4	1.52	1.08	33	A887	A882	2	

			1		2		3		4		5		6	
13														
14			73.9		73.6		72.5		74.6		80.3		79.0	
15			30.0		33.1		35.9		37.0		35.7		31.2	
16	19	64.3	0.5	1.2	5.1	5.4	2.5	3.1	4.1	4.5	7.3	7.2	-3.4	-2.5
16	21	64.4	1.5	2.3	7.3	7.5	6.1	6.4	6.9	7.1	9.8	9.4	-3.1	-2.2
17			73.9		73.6		72.5		74.6		80.3		79.0	
18			30.0		33.1		35.9		37.0		35.7		31.2	
19			E		E		E		K		K		K	
20			0		0		0		0		0		0	
21	19	84.0	6.8		8.6		3.5		4.1		7.2		4.3	
21	21	84.0	8.4		10.1		5.0		5.7		8.7		5.9	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 76

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03900	IND	56.0	72.7	11.2	1.26	0.60	107	A883	A884	1	3.
			72.7	11.2	1.26	0.60	107	A887	A882	2	

			1		2		3	
13								
14			71.9		73.7		73.0	
15			12.3		10.9		8.3	
16	01	63.2	9.2	10.2	9.6	10.6	10.2	11.2
16	09	63.2	8.1	8.6	8.5	8.9	8.7	9.1
17			71.9		73.7		73.0	
18			12.3		10.9		8.3	
19			N		N		N	
20			0		0		0	
21	01	84.0	30.0		28.7		27.9	
21	09	84.0	9.8		8.5		7.8	

1	2	3	4	5	6	7	8	9	10	11	12
IND04000	IND	56.0	73.0	25.0	1.82	1.48	58	A883	A884	2	3.
			73.0	25.0	1.82	1.48	58	A887	A882	1	

			1		2		3		4		5		6	
13														
14			67.8		69.5		73.5		78.2		76.8		73.1	
15			24.0		27.0		30.0		27.0		24.2		20.1	
16	08	63.7	8.8	8.7	3.9	4.5	-0.7	0.2	3.0	3.7	7.5	7.7	8.6	8.6
16	16	63.8	8.1	9.0	6.6	7.5	2.7	3.7	2.3	3.3	8.3	9.2	8.5	9.4
17			67.8		69.5		73.5		78.2		76.8		73.1	
18			24.0		27.0		30.0		27.0		24.2		20.1	
19			K		E		E		K		K		N	
20			0		0		0		0		0		0	
21	08	84.0	5.4		5.9		6.0		5.9		6.4		5.6	
21	16	84.0	16.7		17.3		17.3		17.3		17.8		17.0	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 77

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04100	IND	56.0	78.4	16.0	2.08	1.38	35	A883	A884	2	3.
			78.4	16.0	2.08	1.38	35	A887	A882	1	

13			1		2		3		4		5		
14			73.6		78.3		84.9		80.2		76.8		
15			15.7		19.8		19.0		13.5		11.8		
16	18	63.8	10.4	10.4	3.3	4.1	1.9	2.8	12.2	11.8	11.3	11.2	
16	24	63.9	11.6	12.4	3.2	4.2	2.1	3.1	12.7	13.4	13.0	13.7	
17			73.6	78.6	84.9	80.2	76.8						
18			15.7	19.8	19.0	13.5	11.8						
19			N	N	N	N	N						
20			0	0	0	0	0						
21	18	84.0	8.2	7.8	7.5	8.1	7.8						
21	24	84.0	16.3	15.9	15.6	16.3	16.0						

1	2	3	4	5	6	7	8	9	10	11	12
IND04300	IND	56.0	77.8	11.1	1.36	1.28	172	A883	A884	1	3.
			77.8	11.1	1.36	1.28	172	A887	A882	2	

13			1		2		3		4		5		
14			77.5		74.8		80.3		79.8		79.5		
15			8.1		12.8		13.5		10.2		9.1		
16	03	63.4	5.6	6.6	6.2	7.2	5.8	6.8	5.0	6.0	3.9	4.9	
16	11	63.5	5.4	6.4	6.1	7.1	5.8	6.8	4.9	5.9	3.8	4.8	
17			77.5	74.8	80.3	79.8	79.5						
18			8.1	12.8	13.5	10.2	9.1						
19			N	N	N	N	N						
20			0	0	0	0	0						
21	03	84.0	20.3	20.0	20.2	21.9	21.1						
21	11	84.0	20.2	19.9	20.1	21.8	21.0						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 78

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04500	IND	56.0	76.2	19.5	1.58	1.58	21	A883	A884	2	3.
			76.2	19.5	1.58	1.58	21	A887	A882	1	

13			1		2		3		4		5		6			
14			74.0		72.6		74.4		80.0		80.2		74.0			
15			15.7		19.9		22.0		21.6		18.8		15.7			
16	06	63.6	4.4	5.3	4.0	4.9	3.1	4.0	4.9	5.8	6.5	7.4	4.4	5.3		
16	14	63.7	5.1	6.0	8.5	9.3	8.2	9.0	7.4	8.2	7.7	8.5	5.1	6.0		
17			74.0	72.6	74.4	80.0	80.2									
18			15.7	19.9	22.0	21.6	18.8									
19			N	N	K	N	N									
20			0	0	0	0	0									
21	06	84.0	12.5	13.3	13.5	13.0	12.8									
21	14	84.0	12.4	13.2	13.4	12.8	12.6									

1	2	3	4	5	6	7	8	9	10	11	12
CHN15400	CHN	62.0	83.9	40.5	2.75	2.05	177	A883	A884	1	
			101.9	33.5	5.10	2.80	143	A887	A882	2	

13			1		2		3		4		5		6			
14			73.6		80.0		87.6		96.3		79.0		90.0			
15			39.0		45.0		49.0		42.8		34.3		36.3			
16	02	63.2	0.6	0.6	5.5	4.0	6.7	4.7	4.2	3.3	-0.5	-0.3	1.7	1.5		
16	06	63.3	0.6	0.9	5.5	4.7	6.6	5.4	4.2	3.8	-0.5	0.0	1.7	1.9		
16	10	63.3	0.6	0.6	5.5	4.0	6.7	4.7	4.2	3.3	-0.5	-0.3	1.7	1.5		
17			118.0	128.2	112.3	116.4	86.5									
18			48.0	43.3	22.9	40.0	32.6									
19			F	K	N	K	K									
20			0	0	0	0	0									
21	02	84.0	-2.2	-2.3	-1.5	-0.7	-1.4									
21	06	84.0	-0.5	-0.5	0.3	1.0	0.3									
21	10	84.0	-2.3	-2.3	-1.5	-0.8	-1.5									

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 79

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15401	CHN	62.0	83.9	40.5	2.75	2.05	177	A883	A884	1	
			83.9	40.5	2.75	2.05	177	A887	A882	2	

13			1		2		3		4		5		6		
14			73.6		80.0		87.6		96.3		79.0		90.0		
15			39.0		45.0		49.0		42.8		34.3		36.3		
16	14	63.4	5.2	5.5	11.3	9.8	12.0	10.2	10.7	9.5	2.5	3.1	6.3	6.4	
17			73.6	80.0	87.6		96.3	79.0	90.0						
18			39.0	45.0	49.0		42.8	34.3	36.3						
19			C	C	E		C	C	K						
20			0	0	0		0	0	0						
21	14	84.0	3.7	4.7	3.5		3.6	4.2	3.9						

1	2	3	4	5	6	7	8	9	10	11	12
CHN15500	CHN	62.0	88.3	31.5	3.38	1.45	162	A883	A884	2	
			101.9	33.5	5.10	2.80	143	A887	A882	1	

13			1		2		3		4		5		6		
14			90.0		99.0		92.4		89.0		86.0		78.5		
15			36.3		30.0		26.9		27.5		28.0		32.5		
16	01	62.9	5.7	5.6	1.9	2.4	0.8	1.4	2.5	2.9	1.9	2.4	1.8	2.3	
16	05	62.9	2.6	2.5	0.7	0.9	0.0	0.3	0.3	0.6	-0.5	-0.1	0.3	0.6	
16	09	63.0	2.6	2.6	0.6	1.0	0.0	0.4	0.4	0.8	-0.4	0.1	0.3	0.7	
17			118.0	128.2	112.3		116.4	86.5							
18			48.0	43.3	22.9		40.0	32.6							
19			F	K	N		K	K							
20			0	0	0		0	0							
21	01	84.0	2.0	1.9	2.7		3.5	2.8							
21	05	84.0	-1.0	-1.1	-0.3		0.5	-0.2							
21	09	84.0	-0.3	-0.4	0.4		1.1	0.5							

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 80

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15501	CHN	62.0	88.3	31.5	3.38	1.45	162	A883	A884	2	
			88.3	31.5	3.38	1.45	162	A887	A882	1	

13			1		2		3		4		5		6		
14			90.0		99.0		92.4		89.0		86.0		78.5		
15			36.3		30.0		26.9		27.5		28.0		32.5		
16	13	63.0	2.8	2.6	1.0	1.2	0.1	0.4	0.5	0.7	-0.4	0.0	0.5	0.7	
17			90.0	99.0	92.4		89.0	86.0	78.5						
18			36.3	30.0	26.9		27.5	28.0	32.5						
19			K	K	K		K	K	C						
20			0	0	0		0	0	0						
21	13	84.0	-1.3	-0.6	-0.5		-0.2	-0.5	-0.5						

1	2	3	4	5	6	7	8	9	10	11	12
CHN15600	CHN	62.0	97.8	36.3	2.56	1.58	157	A883	A884	1	
			101.9	33.5	5.10	2.80	143	A887	A882	2	

13			1		2		3		4		5		6		
14			90.2		96.4		105.2		108.5		105.2		95.9		
15			38.6		42.7		41.7		35.4		32.6		31.7		
16	04	63.5	3.4	2.7	6.0	4.3	5.4	3.9	0.9	0.9	1.8	1.6	3.1	2.5	
16	08	63.5	3.4	3.2	5.9	4.9	6.2	5.1	4.2	3.8	3.1	3.0	3.1	3.0	
16	12	63.6	5.9	4.0	7.6	4.8	7.1	4.6	3.2	2.4	2.4	1.9	3.6	2.7	
17			118.0	128.2	112.3		116.4	86.5							
18			48.0	43.3	22.9		40.0	32.6							
19			F	K	N		K	K							
20			0	0	0		0	0							
21	04	84.0	-2.4	-2.4	-1.6		-0.9	-1.6							
21	08	84.0	-0.6	-0.7	0.1		0.8	0.1							
21	12	84.0	-2.7	-2.8	-2.0		-1.2	-1.9							

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 81

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15700	CHN	62.0	102.3	27.8	2.56	1.58	127	A883	A884	2	
			101.9	33.5	5.10	2.80	143	A887	A882	1	

13			1		2		3		4		5		6		
14			101.7		97.7		97.5		109.2		105.6		105.8		
15			21.3		24.0		33.0		28.5		23.2		33.0		
16	03	65.2	1.0	1.3	3.1	3.1	3.7	3.6	6.1	5.3	2.6	2.7	5.6	4.9	
16	07	65.1	0.9	1.2	3.0	2.9	3.5	3.3	6.1	5.1	2.5	2.5	5.5	4.7	
16	11	65.2	1.1	1.4	3.1	3.1	3.6	3.5	5.7	5.0	2.5	2.6	5.5	4.9	
17			118.0	128.2	112.3	116.4	86.5								
18			48.0	43.3	22.9	40.0	32.6								
19			F	K	N	K	K								
20			0	0	0	0	0								
21	03	84.0	0.0	-0.1	0.7	1.5	0.8								
21	07	84.0	-0.4	-0.5	0.3	1.1	0.4								
21	11	84.0	0.0	-0.1	0.7	1.5	0.8								

1	2	3	4	5	6	7	8	9	10	11	12
CHN18300	CHN	62.0	104.8	39.0	1.48	0.60	142	A883	A884	1	
			104.8	39.0	1.48	0.60	142	A887	A882	2	

13			1		2		3		4		5		6		
14			105.2		103.0		104.5		107.5		106.0		103.2		
15			41.7		42.0		41.8		37.8		35.4		38.0		
16	22	63.8	8.3	9.1	9.5	10.2	8.8	9.6	4.8	5.7	1.3	2.3	7.2	8.0	
17			105.2	103.0	104.5	107.5	106.0	103.2							
18			41.7	42.0	41.8	37.8	35.4	38.0							
19			C	C	C	K	K	K							
20			0	0	0	0	0	0							
21	22	84.0	13.9	13.8	14.1	14.9	12.6	13.8							

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 82

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18400	CHN	62.0	101.0	37.9	2.78	0.82	144	A883	A884	1	
			101.0	37.9	2.78	0.82	144	A887	A882	2	

13			1		2		3		4		5		6		
14			103.0		96.3		93.7		100.7		105.8		107.3		
15			42.0		42.7		40.7		34.0		32.9		37.1		
16	20	63.7	3.3	4.2	3.3	4.2	2.1	3.1	3.7	4.6	0.3	1.3	2.2	3.1	
17			103.0	96.3	93.7	100.7	105.8	107.3							
18			42.0	42.7	40.7	34.0	32.9	37.1							
19			C	C	K	K	K	K							
20			0	0	0	0	0	0							
21	20	84.0	12.5	14.1	12.9	13.4	13.7	13.5							

1	2	3	4	5	6	7	8	9	10	11	12
CHN18500	CHN	62.0	95.7	35.4	2.10	1.14	156	A883	A884	1	
			95.7	35.4	2.10	1.14	156	A887	A882	2	

13			1		2		3		4		5		6		
14			90.2		101.0		90.4		96.6		101.3		100.0		
15			38.4		37.7		33.0		31.5		33.1		39.0		
16	18	63.4	8.2	9.0	7.6	8.4	5.7	6.6	6.2	7.1	3.8	4.7	8.7	9.4	
17			90.2	101.0	90.4	96.6	101.3	100.0							
18			38.4	37.7	33.0	31.5	33.1	39.0							
19			K	K	K	K	K	K							
20			0	0	0	0	0	0							
21	18	84.0	12.7	12.7	12.0	12.7	13.1	11.9							

1	2	3	4	5	6	7	8	9	10	11	12
CHN18600	CHN	62.0	102.5	30.2	1.91	1.23	147	A883	A884	2	
			102.5	30.2	1.91	1.23	147	A887	A882	1	

13			1		2		3		4		5		6		
14			102.0		99.3		97.4		102.7		110.0		109.0		
15			26.0		28.0		33.2		34.0		31.8		28.1		
16	16	65.5	10.7	11.6	11.7	12.6	11.5	12.4	11.8	12.7	6.6	7.6	10.8	11.7	
17			102.0	99.3	97.4	102.7	110.0	109.0							
18			26.0	28.0	33.2	34.0	31.8	28.1							
19			K	K	K	K	K	K							
20			0	0	0	0	0	0							
21	16	84.0	19.1	20.3	19.1	19.8	18.7	19.0							

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 83

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18800	CHN	62.0	101.5	25.1	1.86	1.08	132	A883	A884	2	
			101.5	25.1	1.86	1.08	132	A887	A882	1	

			1		2		3		4		5		6	
13														
14			101.8		99.1		97.5		98.1		106.0		105.6	
15			21.1		22.1		24.0		28.1		23.4		27.7	
16	24	65.0	8.6	9.3	4.7	5.6	2.2	3.1	5.5	6.3	10.8	11.3	3.5	4.4
17			101.5		99.1		97.5		98.1		106.0		105.6	
18			21.5		22.1		24.0		28.1		23.4		27.7	
19			N		N		N		K		N		K	
20			0		0		0		0		0		0	
21	24	84.0	12.3		11.6		11.6		12.2		12.1		10.9	

1	2	3	4	5	6	7	8	9	10	11	12
CBG29900	CBG	68.0	105.0	12.7	1.01	0.90	110	A883	A884	1	
			105.0	12.7	1.01	0.90	110	A887	A882	2	

			1		2		3		4		5		6	
13														
14			103.5		102.5		104.0		106.5		107.5		106.0	
15			10.5		13.0		14.1		14.0		12.5		11.0	
16	18	64.3	1.7	2.4	2.0	2.6	2.2	2.8	2.3	2.9	2.3	2.9	2.9	3.5
16	20	64.3	1.6	0.7	1.9	0.9	2.2	1.1	2.2	1.1	2.2	1.1	2.9	1.5
16	22	64.3	1.7	0.5	2.0	0.7	2.2	0.8	2.3	0.9	2.3	0.9	3.0	1.3
16	24	64.3	2.3	2.9	2.8	3.4	3.1	3.6	3.3	3.8	3.2	3.7	3.6	4.1
17			103.5		102.5		104.0		106.5		107.5		106.0	
18			10.5		13.0		14.1		14.0		12.5		11.0	
19			P		P		N		N		N		N	
20			0		0		0		0		0		0	
21	18	84.0	3.6		4.2		5.3		5.2		4.4		4.7	
21	20	84.0	-4.8		-4.2		-3.2		-3.3		-4.1		-3.7	
21	22	84.0	-5.4		-4.8		-3.7		-3.8		-4.6		-4.3	
21	24	84.0	3.6		4.2		5.3		5.2		4.4		4.7	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 84

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2	3.
			93.0	25.5	1.46	1.13	40	A887	A882	1	

			1		2		3		4		5		6	
13														
14			93.0		91.6		89.8		91.5		96.0		97.1	
15			22.0		23.0		26.0		27.8		29.5		27.1	
16	02	64.0	1.9	2.8	4.4	5.3	1.8	2.7	0.5	1.5	-1.0	0.0	-0.5	0.5
16	10	64.0	1.8	2.7	4.3	5.2	1.7	2.6	0.4	1.3	-1.1	-0.1	-0.8	0.2
17			93.0		91.6		89.8		91.5		96.0		97.1	
18			22.0		23.0		26.0		27.8		29.5		27.1	
19			P		N		K		K		K		K	
20			0		0		0		0		0		0	
21	02	84.0	11.3		13.7		12.5		12.1		11.7		12.9	
21	10	84.0	10.3		12.7		11.5		11.1		10.7		11.9	

1	2	3	4	5	6	7	8	9	10	11	12
IND04200	IND	68.0	79.3	27.7	2.14	1.16	147	A883	A884	2	3.
			79.3	27.7	2.14	1.16	147	A887	A882	1	

			1		2		3		4		5		6	
13														
14			78.7		74.5		81.0		83.6		84.6		83.0	
15			24.2		29.9		30.2		27.5		25.8		23.9	
16	20	63.8	1.4	1.7	2.0	2.2	3.0	3.1	1.0	1.4	-1.6	-0.9	-1.1	-0.5
16	22	63.8	1.9	2.1	2.8	2.8	5.6	4.9	1.8	2.0	-1.3	-0.7	-0.9	-0.3
17			78.7		74.5		81.0		83.6		84.6		83.0	
18			24.2		29.9		30.2		27.5		25.8		23.9	
19			K		E		K		K		K		K	
20			0		0		0		0		0		0	
21	20	89.0	0.2		1.1		0.8		1.1		0.6		0.9	
21	22	89.0	-0.2		0.7		0.3		0.6		0.1		0.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 85

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04400	IND	68.0	79.5	22.3	2.19	1.42	146	A883	A884	1	3.
			79.5	22.3	2.19	1.42	146	A887	A882	2	

			1		2		3		4		5		6	
13														
14			74.1		75.2		78.2		81.5		84.3		81.2	
15			22.6		25.0		26.9		25.2		23.0		17.8	
16	05	63.5	5.8	5.5	4.4	4.4	0.4	1.0	0.8	1.3	0.6	1.1	7.7	6.8
16	13	63.5	6.0	5.4	4.6	4.4	0.4	0.9	0.8	1.3	0.6	1.1	7.8	6.6
17			74.1		75.2		78.2		81.5		84.3		81.2	
18			22.6		25.0		26.9		25.2		23.0		17.8	
19			K		K		K		K		N		N	
20			0		0		0		0		0		0	
21	05	84.0	1.2		2.4		1.6		2.0		1.5		1.6	
21	13	84.0	0.5		1.7		0.9		1.3		0.8		0.9	

1	2	3	4	5	6	7	8	9	10	11	12
IND04600	IND	68.0	84.7	20.5	1.60	0.86	30	A883	A884	1	3.
			84.7	20.5	1.60	0.86	30	A887	A882	2	

			1		2		3		4		5	
13												
14			81.4		84.0		87.5		84.3		82.3	
15			17.8		22.4		21.7		18.8		21.0	
16	17	63.6	5.9	5.6	0.8	1.4	0.6	1.2	5.1	5.0	3.9	4.1
16	23	63.7	4.5	3.0	1.4	1.0	0.6	0.4	4.8	3.1	3.3	2.3
17			81.4		84.0		87.5		84.3		82.3	
18			17.8		22.4		21.7		18.8		21.0	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	17	84.0	2.6		1.6		4.2		3.5		2.7	
21	23	84.0	-2.6		-3.5		-0.9		-1.6		-2.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 86

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
IND04700	IND	68.0	93.3	11.1	1.92	0.60	96	A883	A884	1	3.
			93.3	11.1	1.92	0.60	96	A887	A882	2	

			1		2		3		4	
13										
14			93.8		94.2		93.8		92.2	
15			14.8		13.4		6.8		11.5	
16	07	63.5	6.1	7.1	7.6	8.6	10.3	11.3	10.0	11.0
16	15	63.6	2.7	3.7	7.0	8.0	12.8	13.7	10.4	11.4
17			93.8		94.2		93.8		92.2	
18			14.8		13.4		6.8		11.5	
19			P		P		P		N	
20			0		0		0		0	
21	07	84.0	22.4		22.5		21.8		21.1	
21	15	84.0	23.6		23.7		22.9		22.3	

1	2	3	4	5	6	7	8	9	10	11	12
IND04800	IND	68.0	86.2	25.0	1.56	0.90	120	A883	A884	2	3.
			86.2	25.0	1.56	0.90	120	A887	A882	1	

			1		2		3		4		5		6	
13														
14			83.3		83.8		88.6		89.8		89.0		89.0	
15			25.2		27.4		28.2		26.7		25.3		23.2	
16	04	63.7	0.4	0.7	0.1	0.5	-2.7	-2.0	-2.9	-2.2	1.3	1.5	3.5	3.3
16	12	63.8	0.4	0.3	0.2	0.2	-2.6	-2.2	-2.8	-2.3	1.3	1.0	3.5	2.5
17			83.3		83.8		88.6		89.8		89.0		89.0	
18			25.2		27.4		28.2		26.7		25.3		23.2	
19			K		K		K		K		N			
20			0		0		0		0		0			
21	04	86.0	2.3		3.6		0.5		-0.7		2.3		3.0	
21	12	86.0	-0.1		1.1		-1.9		-3.1		-0.2		0.6	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 87

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BGD22000	BGD	74.0	90.3	23.6	1.46	0.84	135	A883	A884	1	
			90.3	23.6	1.46	0.84	135	A887	A882	1	

			1		2		3		4		5		6	
13														
14			89.8		88.0		88.0		89.0		92.5		92.5	
15			26.0		27.0		24.0		22.0		21.5		25.0	
16	15	63.7	7.0	4.9	5.6	4.2	6.9	4.9	5.8	4.3	-2.3	-1.8	1.4	1.3
16	18	63.7	0.0	0.9	-1.9	-1.0	-1.5	-0.6	-1.6	-0.7	0.7	1.5	-1.1	-0.2
16	20	63.7	0.3	0.5	-1.6	-1.1	-1.5	-1.0	-1.6	-1.1	0.7	0.8	-0.8	-0.4
16	22	63.8	0.6	0.3	-1.3	-1.2	-1.4	-1.3	-1.6	-1.4	0.7	0.4	-0.6	-0.6
16	24	63.8	0.3	0.1	-1.4	-1.3	-0.9	-0.9	-0.8	-0.8	0.2	0.0	-2.3	-2.0

17		89.8	88.0	88.0	89.0	92.5	92.5	
18		26.0	27.0	24.0	22.0	21.5	25.0	
19		K	K	N	N	P	K	
20		0	0	0	0	0	0	
21	12	84.0	0.3	-1.4	0.1	-0.9	0.2	-2.1
21	14	84.0	8.0	6.3	7.8	6.8	7.9	5.6
21	18	84.0	0.8	-0.9	0.6	-0.5	0.6	-1.7
21	20	84.0	-1.3	-3.0	-1.6	-2.6	-1.5	-3.8
21	22	84.0	-1.4	-3.1	-1.6	-2.6	-1.5	-3.8

1	2	3	4	5	6	7	8	9	10	11	12
BRM29800	BRM	74.0	97.1	19.1	3.58	1.48	104	A883	A884	2	
			97.1	19.1	3.58	1.48	104	A887	A882	2	

			1		2		3		4		5		6	
13														
14			101.0		98.9		99.6		98.0		97.5		92.4	
15			21.7		16.4		11.8		9.5		28.3		21.4	
16	17	63.9	6.3	5.4	9.6	7.2	2.2	2.3	1.2	1.5	3.8	3.6	-0.1	0.4
16	19	63.9	2.8	2.5	7.6	5.5	1.8	1.7	1.0	1.1	2.1	2.0	-1.0	-0.6
16	21	63.9	4.2	3.7	8.3	6.1	1.9	1.9	1.1	1.3	3.9	3.5	-0.9	-0.4
16	23	64.0	4.0	3.7	8.3	6.5	1.9	2.1	1.1	1.4	3.6	3.4	-0.9	-0.4

17		101.0	98.9	99.6	98.0	97.5	92.4	
18		21.7	16.4	11.8	9.5	28.3	21.4	
19		N	P	P	P	K	P	
20		0	0	0	0	0	0	
21	17	84.0	0.6	2.8	1.3	0.6	1.1	-0.2
21	19	84.0	-0.9	1.4	-0.2	-0.9	-0.4	-1.6
21	21	84.0	-0.3	2.0	0.4	-0.3	0.2	-1.0
21	23	84.0	0.4	2.7	1.1	0.4	0.9	-0.3

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 88

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
BRU33000	BRU	74.0	114.7	4.4	0.60	0.60	0	A883	A884	1	
			114.7	4.4	0.60	0.60	0	A887	A882	2	

			1		2		3	
13								
14			114.6		114.2		115.0	
15			4.0		4.6		4.9	
16	12	62.5	11.3	12.1	11.8	12.6	11.3	12.1
16	14	62.6	9.1	10.0	9.7	10.6	9.1	10.0

17		114.6	114.2	115.0	
18		4.0	4.6	4.9	
19		P	P	P	
20		0	0	0	
21	03	84.0	16.6	16.1	15.7
21	07	84.0	16.6	16.0	15.6

1	2	3	4	5	6	7	8	9	10	11	12
LAO28400	LAO	74.0	103.7	18.1	2.16	0.78	133	A883	A884	1	
			103.7	18.1	2.16	0.78	133	A887	A882	1	

			1		2		3		4		5		6	
13														
14			100.0		102.0		104.5		101.0		105.5		107.5	
15			20.5		22.5		20.0		17.6		14.0		14.5	
16	02	63.8	4.2	3.9	3.2	3.1	5.2	4.6	3.5	3.3	4.2	3.9	5.9	5.0
16	04	63.9	4.6	4.3	3.2	3.2	5.0	4.6	3.5	3.5	4.2	4.0	5.9	5.2
16	06	63.8	4.2	4.0	3.2	3.2	5.2	4.7	3.5	3.5	4.2	4.0	5.9	5.2
16	08	63.8	4.6	4.3	3.2	3.2	5.2	4.7	3.5	3.5	4.3	4.1	6.0	5.3
16	10	63.9	3.3	3.2	-0.9	-0.4	3.6	3.4	3.4	3.3	4.3	3.9	6.0	5.1

17		100.0	102.0	104.5	101.0	105.5	107.5	
18		20.5	22.5	20.0	17.6	14.0	14.5	
19		N	N	N	N	N	N	
20		0	0	0	0	0	0	
21	02	84.0	1.5	0.4	0.9	-0.4	0.7	1.4
21	04	84.0	2.1	1.0	1.5	0.2	1.3	1.9
21	06	84.0	2.1	1.1	1.6	0.2	1.3	2.0
21	08	84.0	2.1	1.1	1.6	0.2	1.3	2.0
21	10	84.0	1.4	0.4	0.9	-0.4	0.6	1.3

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 89

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MNG24800	MNG	74.0	102.2 107.5	46.6 47.8	3.60 2.00	1.13 2.00	169 0	A883 A886	A884 A882	1 1	2.

			1		2		3		4		5		6	
13			98.8		118.9		110.0		103.4		95.0		87.9	
14			51.9		47.4		43.2		42.3		43.2		48.9	
16	25	64.1	-1.6	-0.8	5.6	5.5	7.5	7.0	6.5	6.2	4.5	4.7	1.5	2.1
16	29	64.2	2.1	0.9	8.7	3.6	9.8	3.8	8.5	3.5	5.8	2.7	2.0	0.8
16	33	64.2	1.1	-0.3	8.2	2.4	9.0	2.5	7.7	2.3	5.3	1.6	1.1	-0.3
16	37	64.3	3.1	3.6	9.4	8.5	10.1	8.9	8.7	8.0	6.0	6.0	2.6	3.1
16	39	64.3	-2.0	-1.2	-1.2	-0.4	1.5	2.1	3.0	3.4	4.0	4.3	1.6	2.2
17			98.8		118.9		110.0		103.4		96.0		87.9	
18			51.9		47.4		43.2		42.3		43.2		48.9	
19			E		F		K		C		C		E	
20			0		0		0		0		0		0	
21	25	89.0	11.1		12.4		13.8		15.0		12.7		2.2	
21	29	89.0	3.7		5.0		6.4		7.6		5.3		-5.2	
21	33	89.0	2.3		3.6		5.0		6.1		3.9		-6.6	
21	37	89.0	11.9		13.1		14.6		15.7		13.4		3.0	
21	39	89.0	11.4		12.6		14.1		15.2		12.9		2.5	

1	2	3	4	5	6	7	8	9	10	11	12
THA14200	THA	74.0	100.7 100.7	13.2 13.2	2.82 2.82	1.54 1.54	106 106	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13			99.5		97.3		97.8		101.6		105.4		103.7	
14			20.5		18.5		7.4		5.5		14.3		18.6	
16	01	63.7	1.9	2.4	5.2	5.2	5.9	5.8	5.9	5.8	1.2	1.8	0.6	1.2
16	05	63.7	0.4	0.7	3.9	3.5	3.3	3.1	3.3	3.1	-0.1	0.3	-0.7	-0.2
16	09	63.7	0.3	0.6	3.9	3.5	5.7	4.8	5.7	4.8	-0.1	0.3	-0.8	-0.3
16	13	63.8	5.0	5.2	8.3	7.8	10.1	8.9	5.5	5.6	2.8	3.3	4.4	4.7
17			99.5		97.3		97.8		101.6		105.4		103.7	
18			20.5		18.5		7.4		5.5		14.3		18.6	
19			N		P		P		P		N		N	
20			0		0		0		0		0		0	
21	01	84.0	3.1		3.1		2.1		2.6		2.6		2.9	
21	05	84.0	0.1		0.1		-0.9		-0.4		-0.4		-0.1	
21	09	84.0	0.1		0.2		-0.8		-0.3		-0.4		-0.1	
21	13	84.0	4.0		4.1		3.0		3.5		3.5		3.8	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 90

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07400	URS	74.0	88.8 37.7	57.6 55.8	3.08 2.00	1.68 2.00	162 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13			87.3		97.2		74.9		112.6		78.7		104.5	
14			49.2		49.7		58.6		71.3		69.9		58.5	
16	26	67.9	10.8	11.5	8.3	9.1	15.7	15.7	10.7	11.4	16.3	16.2	11.1	11.7
16	30	68.0	10.9	11.5	8.6	9.4	15.8	15.8	10.7	11.4	16.3	16.2	11.7	12.3
16	34	68.0	10.2	10.9	8.4	9.2	15.8	15.8	10.7	11.4	16.3	16.2	11.7	12.3
16	38	68.1	7.6	8.3	5.6	6.4	13.2	13.2	9.9	10.4	14.2	13.9	9.5	10.0
17			29.5		50.3		51.8		46.8		37.3			
18			67.2		54.7		47.4		45.1		48.4			
19			C		E		C		C		K			
20			0		0		0		0		0			
21	26	89.0	12.7		13.1		13.2		13.3		13.1			
21	30	89.0	12.6		13.0		13.1		13.1		12.9			
21	34	89.0	12.7		13.1		13.2		13.2		13.1			
21	38	89.0	9.9		10.3		10.4		10.4		10.2			

1	2	3	4	5	6	7	8	9	10	11	12
URS07500	URS	74.0	94.0 92.8	51.7 56.1	1.52 2.00	0.60 2.00	172 0	A883 A886	A884 A882	2 2	2.

			1		2		3		4		5		6	
13			90.0		95.0		87.9		98.0		99.0		92.5	
14			50.5		50.0		51.5		50.0		52.9		51.7	
16	32	65.1	1.1	1.7	2.0	2.5	0.3	1.0	1.2	1.8	1.6	2.2	3.1	3.5
17			90.0		95.0		87.9		98.0		99.0		92.5	
18			50.5		50.0		51.5		50.0		52.9		51.7	
19			E		E		E		E		E		E	
20			0		0		0		0		0		0	
21	32	89.0	5.1		3.8		5.1		2.3		3.4		5.2	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 91

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07600	URS	74.0	98.0 92.8	63.2 56.1	1.84 2.00	0.69 2.00	170 0	A883 A886	A884 A882	2 2	2.

13			1		2		3		4		5		6		
14			104.4		108.3		99.4		106.5		88.8		91.2		
15			58.7		64.1		60.2		69.5		65.4		60.7		
16	28	68.1	3.1	3.5	4.5	4.7	6.0	5.9	3.0	3.4	5.5	5.5	5.4	5.4	
17			104.4		108.3		99.4		106.5		88.8		91.2		
18			58.7		64.1		60.2		69.5		65.4		60.7		
19			C		C		C		A		C		C		
20			0		0		0		0		0		0		
21	28	89.0	3.4		3.6		5.2		3.7		2.4		4.9		

1	2	3	4	5	6	7	8	9	10	11	12
CHN15800	CHN	79.8	111.8 106.0	38.0 32.5	2.60 5.00	1.74 3.70	124 150	A883 A887	A884 A882	1 2	

13			1		2		3		4		5		6		
14			105.8		105.2		111.8		119.8		115.3		119.8		
15			32.9		41.6		45.0		46.8		31.5		40.0		
16	15	64.9	5.5	5.4	11.1	8.9	12.1	9.4	7.9	7.1	3.2	3.5	5.0	5.0	
16	19	64.9	-0.9	-1.6	-0.3	-1.2	0.3	-0.8	-0.6	-1.4	-1.0	-1.6	1.3	-0.2	
16	23	65.0	-0.8	-1.4	-0.6	-1.3	-0.5	-1.2	-1.6	-2.0	-0.5	-1.2	1.0	-0.3	
17			116.4		102.0		104.0		121.3						
18			40.0		36.4		30.8		31.3						
19			K		C		K		M						
20			0		0		0		0						
21	15	84.0	2.3		3.5		3.9		1.8						
21	19	84.0	-6.1		-4.9		-4.5		-6.6						
21	23	84.0	-5.8		-4.7		-4.3		-6.4						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 92

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN15900	CHN	79.8	109.4 106.0	27.3 32.5	2.14 5.00	1.72 3.70	107 150	A883 A887	A884 A882	2 1	

13			1		2		3		4		5		6		
14			105.6		103.6		109.5		113.8		115.3		109.8		
15			23.2		27.1		33.1		25.4		31.5		21.6		
16	18	64.5	1.4	-1.1	-0.4	-2.0	-1.0	-2.3	1.5	-1.0	0.5	-1.5	-0.3	-1.9	
16	20	64.6	1.5	-1.1	-0.3	-2.0	-1.9	-2.9	1.0	-1.3	-1.1	-2.4	-0.3	-2.0	
16	22	64.6	1.6	-1.1	0.2	-1.7	-0.8	-2.3	1.7	-1.0	-0.1	-1.9	0.0	-1.8	
17			116.4		102.0		104.0		121.3						
18			40.0		36.4		30.8		31.3						
19			K		C		K		M						
20			0		0		0		0						
21	18	84.0	-7.9		-6.8		-6.4		-8.5						
21	20	84.0	-8.0		-6.8		-6.4		-8.6						
21	22	84.0	-8.0		-6.8		-6.4		-8.6						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16300	CHN	80.0	116.0 116.0	39.2 39.2	1.20 1.20	0.80 0.80	132 132	A883 A887	A884 A882	1 2	

13			1		2		3		4		5				
14			115.4		114.6		117.7		119.5		116.0				
15			36.1		42.1		42.6		38.8		39.2				
16	01	64.4	2.8	3.6	7.1	7.6	6.3	6.9	3.1	3.9	6.0	6.6			
17			115.4		114.6		117.7		119.5		116.0				
18			36.1		42.1		42.6		38.8		39.2				
19			K		K		K		K		K				
20			0		0		0		0		0				
21	01	84.0	7.8		7.3		7.4		7.3		10.8				

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16400	CHN	80.0	112.2	37.4	1.06	0.76	111	A883	A884	1	
			112.2	37.4	1.06	0.76	111	A887	A882	2	

			1		2		3		4		5		6	
13														
14			111.5		114.1		113.6		110.3		110.3		114.1	
15			39.6		40.7		35.6		34.5		37.0		37.6	
16	05	64.2	5.8	6.4	5.0	5.7	2.1	2.9	2.3	3.1	5.2	5.9	4.2	5.0
17			111.5	114.1	113.6	110.3	110.3	114.1						
18			39.6	40.7	35.6	34.5	37.0	37.6						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	05	84.0	8.1	7.5	7.7	7.6	8.7	8.7						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16500	CHN	80.0	111.4	41.8	1.58	1.20	15	A883	A884	1	
			111.4	41.8	1.58	1.20	15	A887	A882	2	

			1		2		3		4		5		6	
13														
14			120.0		112.0		105.3		107.6		111.1		116.8	
15			45.5		45.1		41.6		37.8		39.5		41.9	
16	09	63.6	5.7	6.1	9.3	9.1	7.3	7.5	4.8	5.3	6.8	7.1	5.7	6.1
17			120.0	112.0	105.3	107.6	111.1	116.8						
18			45.5	45.1	41.6	37.8	39.5	41.9						
19			F	F	C	K	K	K						
20			0	0	0	0	0	0						
21	09	84.0	5.2	5.8	5.2	5.6	6.8	6.0						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17600	CHN	80.0	113.7	33.9	1.20	0.80	141	A883	A884	1	
			113.7	33.9	1.20	0.80	141	A887	A882	2	

			1		2		3		4		5		6	
13														
14			116.1		116.6		115.2		111.9		110.2		114.0	
15			36.1		34.0		31.3		32.5		34.5		36.3	
16	21	64.3	-0.1	0.2	0.3	0.5	-1.2	-0.8	-0.2	0.1	-1.3	-0.8	0.4	0.6
17			116.1	116.6	115.2	111.9	110.2	114.0						
18			36.1	34.0	31.3	32.5	34.5	36.3						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	21	84.0	-1.6	-0.4	-1.3	-0.3	-1.5	-0.4						

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17700	CHN	80.0	111.8	30.8	1.42	0.82	160	A883	A884	2	
			111.8	30.8	1.42	0.82	160	A887	A882	1	

			1		2		3		4		5		6	
13														
14			109.2		109.5		116.0		116.0		113.6		113.6	
15			29.1		33.2		31.0		29.6		29.1		32.4	
16	24	64.7	-0.6	0.1	-0.2	0.5	1.2	1.8	0.9	1.5	1.4	2.0	1.3	1.9
17			109.2	109.5	116.0	116.0	113.6	113.6						
18			29.1	33.2	31.0	29.6	29.1	32.4						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	24	84.0	2.5	2.6	3.2	2.9	4.0	3.2						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17800	CHN	80.0	111.5	27.4	1.22	0.86	130	A883	A884	2	
			111.5	27.4	1.22	0.86	130	A887	A882	1	

			1		2		3		4		5		6	
13														
14			109.2		113.6		113.7		111.5		108.9		114.3	
15			29.1		29.8		25.2		24.7		27.0		28.4	
16	12	64.4	4.9	5.8	2.8	3.7	8.7	9.4	7.9	8.7	6.0	6.8	5.5	6.4
17			109.2	113.6	113.7	111.5	108.9	114.3						
18			29.1	29.8	25.2	24.7	27.0	28.4						
19			K	K	N	N	K	K						
20			0	0	0	0	0	0						
21	12	84.0	12.3	11.4	11.8	12.3	12.3	11.8						

1	2	3	4	5	6	7	8	9	10	11	12
CHN18100	CHN	80.0	108.5	23.8	1.41	1.08	153	A883	A884	2	
			108.5	23.8	1.41	1.08	153	A887	A882	1	

			1		2		3		4		5		6	
13														
14			105.6		108.0		104.5		109.7		111.3		112.1	
15			23.1		21.5		24.5		21.3		26.3		24.3	
16	14	64.1	4.2	5.0	4.7	5.5	2.7	3.6	5.2	6.0	5.2	6.0	6.4	7.2
17			105.6	108.0	104.5	109.7	111.3	112.1						
18			23.1	21.5	24.5	21.3	26.3	24.3						
19			N	N	N	N	N	N						
20			0	0	0	0	0	0						
21	14	84.0	11.3	11.1	10.1	10.7	9.7	10.8						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 95

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN18700	CHN	80.0	106.6 106.6	26.7 26.7	1.14 1.14	0.94 0.94	179 179	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			104.7		103.6		107.5		109.0		106.0		109.5	
15			24.6		27.0		29.2		25.5		28.6		27.0	
16	10	64.0	0.6	1.3	1.0	1.7	5.0	5.2	5.6	5.7	4.2	4.5	6.9	6.8
17			104.7		103.6		107.5		109.0		106.0		109.5	
18			24.6		27.0		29.2		25.5		28.6		27.0	
19			N		K		K		K		K		K	
20			0		0		0		0		0		0	
21	10	84.0	3.6		3.8		3.1		3.6		4.0		4.4	

1	2	3	4	5	6	7	8	9	10	11	12
CHN18200	CHN	80.0	108.7 108.7	35.1 35.1	1.42 1.42	0.88 0.88	109 109	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			111.5		111.0		109.6		105.7		107.3		106.4	
15			39.5		33.3		31.8		32.9		37.5		35.0	
16	17	64.2	-0.1	0.1	-0.3	-0.1	-0.3	-0.1	-1.4	-1.0	0.7	0.7	0.3	0.4
17			111.5		111.0		109.6		105.7		107.3		106.4	
18			39.5		33.3		31.8		32.9		37.5		35.0	
19			K		K		K		K		K		K	
20			0		0		0		0		0		0	
21	17	84.0	-2.2		-1.8		-1.3		-2.2		-0.9		-1.0	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 96

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS02800	INS	80.2	101.5 113.6	0.0 -1.4	3.00 6.73	1.20 3.33	133 160	A883 A887	A884 A882	2 1	

			1		2		3		4		5		6	
13														
14			95.3		104.4		106.7		106.7		100.0		101.5	
15			5.5		0.9		-3.8		-5.9		-4.0		0.0	
16	02	63.3	7.5	5.3	0.2	0.4	2.6	2.3	4.6	3.7	7.4	5.2	6.5	4.8
16	04	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.4	5.2	6.5	4.8
16	06	63.3	7.5	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.3	5.2	6.5	4.8
16	08	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.5	5.3	6.5	4.8
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	02	84.0	-0.3	2.8	1.4	-0.3	1.1	0.2	0.7	-1.9	0.3	0.9		
21	04	84.0	-0.3	2.8	1.5	-0.3	1.1	0.2	0.8	-1.9	0.3	0.9		
21	06	84.0	-0.3	2.8	1.5	-0.2	1.1	0.2	0.8	-1.9	0.3	0.9		
21	08	84.0	-0.3	2.9	1.5	-0.2	1.1	0.2	0.8	-1.9	0.4	0.9		

1	2	3	4	5	6	7	8	9	10	11	12
INS03000	INS	80.2	112.3 113.6	-8.1 -1.4	3.14 6.73	1.46 3.33	169 160	A883 A887	A884 A882	1 2	

			1		2		3		4		5			
13														
14			105.3		114.0		120.0		120.0		113.1			
15			-6.5		-5.8		-8.0		-10.5		-10.0			
16	18	64.2	1.9	0.6	0.6	-0.2	1.2	0.2	1.9	0.6	2.6	1.0		
16	20	64.2	1.9	0.6	0.6	-0.2	1.2	0.2	1.9	0.6	2.6	1.0		
16	22	64.2	1.9	0.6	0.6	-0.2	1.2	0.2	1.9	0.6	2.6	1.0		
16	24	64.3	5.3	1.5	3.9	1.0	4.4	1.2	5.4	1.5	6.3	1.8		
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	18	84.0	-3.9	-0.8	-2.1	-3.9	-2.5	-3.4	-2.9	-5.5	-3.3	-2.7		
21	20	84.0	-4.0	-0.8	-2.2	-3.9	-2.5	-3.4	-2.9	-5.6	-3.3	-2.7		
21	22	84.0	-4.0	-0.8	-2.2	-3.9	-2.5	-3.4	-2.9	-5.6	-3.3	-2.7		
21	24	84.0	-5.2	-2.1	-3.4	-5.2	-3.8	-4.7	-4.1	-6.8	-4.6	-4.0		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 97

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03200	INS	80.2	112.3	-0.3	2.66	2.32	109	A883	A884	2	
			113.6	-1.4	6.73	3.33	160	A887	A882	1	

			1		2		3		4		5		6	
13			117.5		112.7		109.1		110.2		114.7		118.7	
14			3.7		1.3		1.8		-2.4		-4.2		0.7	
15														
16	17	64.0	5.0	-3.2	6.8	-3.1	3.8	-3.4	4.8	-3.3	4.6	-3.3	5.4	-3.2
16	19	64.1	0.4	-1.8	2.7	-0.8	1.1	-1.4	1.3	-1.4	0.5	-1.7	0.7	-1.6
16	21	64.1	4.8	-3.4	6.5	-3.3	3.6	-3.6	3.8	-3.6	3.1	-3.7	5.0	-3.4
16	23	64.1	0.7	-2.6	3.0	-1.9	1.3	-2.4	1.5	-2.3	0.8	-2.6	1.1	-2.5

17		91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0	
18		3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	-9.1	-4.0	
19		P	P	P	P	P	P	P	P	P	P	
20		0	0	0	0	0	0	0	0	0	0	
21	17	84.0	-11.1	-8.0	-9.3	-11.0	-9.7	-10.6	-10.0	-12.7	-10.4	-9.9
21	19	84.0	-7.3	-4.2	-5.6	-7.3	-5.9	-6.8	-6.3	-8.9	-6.7	-6.1
21	21	84.0	-11.3	-8.1	-9.5	-11.2	-9.9	-10.8	-10.2	-12.9	-10.6	-10.0
21	23	84.0	-9.0	-5.9	-7.2	-9.0	-7.6	-8.5	-7.9	-10.6	-8.4	-7.8

1	2	3	4	5	6	7	8	9	10	11	12
BTN03100	BTN	86.0	90.5	27.2	1.13	0.82	0	A883	A884	1	6.
			90.5	27.3	1.13	0.82	0	A887	A882	2	

			1		2		3		4		5		6	
13			88.7		90.0		92.1		91.3		92.2		90.1	
14			27.1		26.8		26.9		28.1		27.3		28.7	
15														
16	05	63.6	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	09	63.7	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9
16	13	63.8	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
16	17	63.8	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9

17		88.7	90.0	92.1	91.3	92.2	90.1					
18		27.1	26.8	26.9	28.1	27.3	28.3					
19		K	K	K	K	K	K					
20		0	0	0	0	0	0					
21	05	84.0	7.6	8.7	7.8	8.0	7.8	7.8				
21	09	84.0	9.4	10.5	9.5	9.8	9.6	9.5				
21	13	84.0	17.0	18.1	17.1	17.4	17.2	17.1				
21	17	84.0	6.3	7.4	6.4	6.6	6.4	6.4				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 98

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MLA22700	MLA	86.0	102.1	4.1	1.62	0.82	135	A883	A884	1	
			102.1	4.1	1.62	0.82	135	A887	A882	2	

			1		2		3		4		5		6	
13			102.6		105.4		103.8		101.3		98.8		99.8	
14			6.2		2.2		1.2		2.6		6.2		6.8	
15														
16	16	63.2	7.8	6.9	6.9	6.3	7.6	6.7	9.3	7.8	9.7	8.0	9.8	8.0
16	18	63.3	6.5	5.3	0.7	1.0	-1.1	-0.6	3.0	2.9	8.4	6.4	8.0	6.2
16	20	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.3	7.4	7.9	7.1
16	22	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.3	8.4	7.4	7.9	7.1
16	24	63.4	7.6	6.9	1.0	1.6	-1.0	-0.3	3.3	3.6	9.8	8.3	9.2	7.9

17		102.6	105.4	103.8	101.3	98.8	99.8					
18		6.2	2.2	1.2	2.6	6.2	6.8					
19		P	P	P	P	P	P					
20		0	0	0	0	0	0					
21	16	84.0	1.3	1.9	2.3	1.9	1.8	2.7				
21	18	84.0	-0.6	0.0	0.4	0.0	-0.1	0.7				
21	20	84.0	1.8	2.4	2.8	2.4	2.3	3.1				
21	22	84.0	1.8	2.4	2.8	2.4	2.3	3.1				
21	24	84.0	1.8	2.5	2.8	2.5	2.4	3.2				

1	2	3	4	5	6	7	8	9	10	11	12
MLA22800	MLA	86.0	114.1	3.9	2.34	1.12	45	A883	A884	1	
			114.1	3.9	2.34	1.12	45	A887	A882	2	

			1		2		3		4		5	
13			109.0		117.0		119.5		113.6		110.2	
14			2.4		7.0		5.2		1.0		0.6	
15												
16	02	63.6	3.4	3.5	9.6	7.7	9.5	7.6	9.0	7.4	4.5	4.4
16	04	63.7	3.4	3.4	9.7	7.4	9.6	7.4	9.1	7.1	4.5	4.2
16	06	63.6	3.4	3.4	9.6	7.4	9.5	7.3	9.0	7.1	4.5	4.2
16	08	63.7	3.5	3.5	9.8	7.5	9.8	7.5	9.4	7.3	4.6	4.3

17		109.0	117.0	119.5	113.6	110.2				
18		2.4	7.0	5.2	1.0	0.6				
19		P	P	P	P	P				
20		0	0	0	0	0				
21	02	84.0	1.0	2.9	0.8	2.2	2.5			
21	04	84.0	0.4	2.3	0.2	1.6	1.9			
21	06	84.0	0.4	2.3	0.2	1.6	1.9			
21	08	84.0	0.4	2.3	0.2	1.6	1.9			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG. 99

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
VTN32500	VTN	86.0	105.3	16.1	3.03	1.40	116	A883	A884	2	
			108.0	14.8	3.80	1.90	126	A887	A882	1	

			1		2		3		4		5		6	
13														
14			102.0		108.0		109.0		109.5		104.5		103.8	
15			22.8		21.6		16.0		12.0		8.5		10.2	
16	03	63.5	-1.4	-0.8	-1.1	-0.5	4.6	4.2	6.9	5.8	6.1	5.3	7.1	5.9
16	07	63.5	-1.4	-0.8	-1.1	-0.5	4.6	4.2	6.9	5.7	6.1	5.2	7.1	5.9
16	11	63.5	-1.7	-0.8	-1.6	-0.7	5.3	5.9	9.2	9.3	11.0	10.7	10.3	10.2
16	15	63.6	4.0	4.2	-0.1	0.6	9.4	8.1	11.9	9.4	7.8	7.1	9.7	8.3
17			102.2		105.3		108.0		111.9		104.7		103.9	108.2
18			22.4		23.4		21.5		8.7		8.6		10.3	16.1
19			N		N		N		N		P		P	N
20			0		0		0		0		0		0	0
21	03	84.0	1.7		1.6		2.1		2.7		-0.1		0.5	4.2
21	07	84.0	1.6		1.6		2.1		2.7		-0.2		0.4	4.2
21	11	84.0	8.5		8.5		9.0		9.6		6.7		7.3	11.1
21	15	84.0	3.8		3.7		4.2		4.8		2.0		2.6	6.3

1	2	3	4	5	6	7	8	9	10	11	12
CHN16000	CHN	92.0	122.8	45.3	2.50	1.45	150	A883	A884	2	
			108.1	33.7	5.00	4.00	148	A887	A882	1	

			1		2		3		4		5		6	
13														
14			122.5		115.6		122.5		134.8		128.3		116.8	
15			38.3		48.0		53.4		48.5		41.4		42.5	
16	03	65.1	-0.5	-0.1	6.4	4.9	6.7	5.1	2.1	2.0	1.2	1.3	3.3	2.9
16	07	65.1	0.3	0.5	7.3	5.3	7.7	5.5	2.5	2.3	1.6	1.6	4.2	3.5
16	11	65.2	1.0	1.1	8.2	5.7	8.8	6.0	2.9	2.6	2.1	2.0	5.1	4.1
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	03	84.0	-1.5		-1.0		-1.1		0.4					
21	07	84.0	-1.6		-1.1		-1.2		0.3					
21	11	84.0	-1.7		-1.2		-1.2		0.3					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.100

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16100	CHN	92.0	118.1	31.1	2.49	1.69	117	A883	A884	1	
			108.1	33.7	5.00	4.00	148	A887	A882	2	

			1		2		3		4		5		6	
13														
14			116.0		120.2		123.8		114.0		115.4		122.6	
15			25.0		39.6		30.2		29.1		36.0		37.4	
16	02	64.5	4.9	4.4	1.9	2.1	3.2	3.1	6.9	5.7	5.3	4.6	0.7	1.0
16	04	64.5	4.6	4.1	0.5	0.9	2.8	2.8	5.4	4.7	2.9	2.9	0.0	0.4
16	06	64.5	4.8	4.3	2.1	2.2	3.0	2.9	6.8	5.6	5.4	4.7	0.7	1.0
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	02	84.0	-0.4		0.1		0.0		1.5					
21	04	84.0	-0.4		0.1		0.0		1.5					
21	06	84.0	-0.4		0.1		0.1		1.6					

1	2	3	4	5	6	7	8	9	10	11	12
CHN16200	CHN	92.0	115.9	21.0	2.74	2.42	23	A883	A884	2	
			108.1	33.7	5.00	4.00	148	A887	A882	1	

			1		2		3		4		5		6	
13														
14			110.0		107.6		112.5		125.0		119.0		118.4	
15			15.0		20.0		25.1		25.9		19.3		28.3	
16	01	64.0	4.6	4.7	3.2	3.5	4.2	4.4	0.0	0.7	6.0	5.8	0.9	1.5
16	05	64.0	3.9	3.4	2.6	2.4	2.3	2.2	-1.3	-0.8	4.4	3.7	-0.9	-0.5
16	09	64.0	4.6	3.8	3.1	2.7	3.3	2.9	-0.3	0.0	5.9	4.6	-0.2	0.1
17			124.3		117.0		93.2		116.4					
18			45.4		23.1		33.4		40.0					
19			F		N		K		K					
20			0		0		0		0					
21	01	84.0	2.0		2.5		2.4		3.9					
21	05	84.0	-1.4		-0.9		-0.9		0.6					
21	09	84.0	-1.6		-1.1		-1.1		0.4					

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16600	CHN	92.0	121.1	41.7	1.52	0.78	154	A883	A884	2	
			121.1	41.7	1.52	0.78	154	A887	A882	1	

			1		2		3		4		5		6	
13														
14			118.8		125.6		119.3		116.3		123.8		120.8	
15			40.7		40.8		45.2		43.1		43.5		38.5	
16	24	64.5	4.4	5.4	0.5	1.5	1.6	2.6	3.5	4.5	1.5	2.5	1.3	2.3
17			118.8	125.6	119.3	116.3	123.8	120.8						
18			40.7	40.8	45.2	43.1	43.5	38.5						
19			K	K	F	K	K	K						
20			0	0	0	0	0	0						
21	24	84.0	22.8	22.1	21.3	21.5	21.7	21.0						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16700	CHN	92.0	124.3	43.7	1.98	0.72	156	A883	A884	2	
			124.3	43.7	1.98	0.72	156	A887	A882	1	

			1		2		3		4		5		6	
13														
14			119.5		131.0		125.7		121.0		119.2		124.0	
15			47.3		42.9		40.6		42.1		45.1		46.3	
16	17	64.7	7.5	7.5	9.2	8.8	6.7	6.9	6.6	6.8	7.3	7.3	11.2	10.2
17			119.5	131.0	125.7	121.0	119.2	124.0						
18			47.3	42.9	40.6	42.1	45.1	46.3						
19			F	K	K	K	F	F						
20			0	0	0	0	0	0						
21	17	84.0	4.8	5.0	5.4	4.4	6.0	5.9						

1	2	3	4	5	6	7	8	9	10	11	12
CHN16800	CHN	92.0	124.8	48.1	2.68	0.92	157	A883	A884	2	
			124.8	48.1	2.68	0.92	157	A887	A882	1	

			1		2		3		4		5		6	
13														
14			135.0		123.5		120.0		115.5		119.5		129.0	
15			48.4		53.5		52.7		48.0		47.3		43.5	
16	22	65.4	5.1	4.8	9.9	7.7	10.1	7.8	6.4	5.7	7.6	6.4	0.5	1.0
17			123.5	120.0	115.5	119.5	129.0							
18			53.5	52.7	48.0	47.3	43.5							
19			C	C	F	F	K							
20			0	0	0	0	0							
21	22	84.0	1.2	1.8	0.5	2.3	1.5							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN16900	CHN	92.0	118.5	36.4	1.16	0.76	11	A883	A884	1	
			118.5	36.4	1.16	0.76	11	A887	A882	2	

			1		2		3		4		5		6	
13														
14			117.7		115.9		114.7		118.4		122.8		121.8	
15			38.2		37.3		35.0		34.2		38.4		36.7	
16	16	64.7	2.6	3.0	2.7	3.0	1.8	2.3	1.1	1.6	-1.0	-0.3	0.6	1.2
17			117.7	115.9	114.7	118.4	122.8	121.8						
18			38.2	37.3	35.0	34.2	38.4	36.7						
19			K	K	K	K	K	K						
20			0	0	0	0	0	0						
21	16	84.0	2.2	2.6	3.0	1.6	2.4	3.6						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17000	CHN	92.0	119.5	33.0	1.34	0.64	155	A883	A884	1	
			119.5	33.0	1.34	0.64	155	A887	A882	2	

			1		2		3		4		5		6	
13														
14			119.1		116.4		121.3		122.4		121.5		118.7	
15			35.2		34.8		34.1		31.0		30.6		31.2	
16	12	64.4	1.3	1.8	1.4	1.9	1.2	1.7	2.0	2.5	1.9	2.4	0.9	1.5
17			119.1	116.4	121.3	122.4	121.5	118.7						
18			35.2	34.8	34.1	31.0	30.6	31.2						
19			K	K	K	M	K	K						
20			0	0	0	0	0	0						
21	12	84.0	2.4	3.0	2.4	2.7	2.2	1.7						

1	2	3	4	5	6	7	8	9	10	11	12
CHN17100	CHN	92.0	117.2	32.0	1.20	0.74	126	A883	A884	1	
			117.2	32.0	1.20	0.74	126	A887	A882	2	

			1		2		3		4		5		6	
13														
14			116.1		114.9		116.1		119.2		119.6		118.1	
15			29.8		33.1		34.6		32.6		31.1		29.3	
16	10	64.2	3.0	3.5	4.1	4.5	4.9	5.2	4.2	4.6	3.9	4.3	4.1	4.5
17			116.1	114.9	116.1	119.2	119.6	118.1						
18			29.8	33.1	34.6	32.6	31.1	29.3						
19			K	K	K	K	K	N						
20			0	0	0	0	0	0						
21	10	84.0	3.7	3.7	4.1	3.7	3.5	4.0						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.103

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17200	CHN	92.0	120.4	29.1	0.96	0.84	123	A883	A884	1	
			120.4	29.1	0.96	0.84	123	A887	A882	2	

			1		2		3		4		5		6	
13														
14			120.9		118.8		118.0		119.6		122.8		123.1	
15			27.0		27.5		29.1		31.1		30.9		30.2	
16	14	64.3	2.8	3.0	2.3	2.6	2.5	2.7	3.9	3.9	3.4	3.5	3.9	3.9
17			120.9		118.8		118.0		119.6		122.8		123.1	
18			27.0		27.5		29.1		31.1		30.9		30.2	
19			N		N		N		K		M		N	
20			0		0		0		0		0		0	
21	14	84.0	1.2		1.7		1.1		1.2		0.6		0.6	

1	2	3	4	5	6	7	8	9	10	11	12
CHN17300	CHN	92.0	115.7	27.4	1.14	0.94	99	A883	A884	1	
			115.7	27.4	1.14	0.94	99	A887	A882	2	

			1		2		3		4		5		6	
13														
14			114.1		118.5		118.1		116.8		113.9		113.5	
15			24.6		28.4		29.5		30.0		29.0		27.5	
16	08	64.0	3.5	3.7	3.8	3.9	3.9	4.0	4.4	4.4	3.9	4.0	4.5	4.5
17			114.1		118.5		118.1		116.8		113.9		113.5	
18			24.6		28.4		29.5		30.0		29.0		27.5	
19			N		N		K		K		K		K	
20			0		0		0		0		0		0	
21	08	84.0	1.6		1.3		1.6		2.4		1.7		2.1	

1	2	3	4	5	6	7	8	9	10	11	12
CHN17400	CHN	92.0	118.1	25.9	1.02	0.84	82	A883	A884	2	
			118.1	25.9	1.02	0.84	82	A887	A882	1	

			1		2		3		4		5		6	
13														
14			119.7		120.7		118.7		117.3		115.8		117.4	
15			25.0		27.1		28.3		27.8		25.0		23.2	
16	15	64.1	-0.2	0.3	-1.7	-1.0	-1.8	-1.1	-2.0	-1.3	-0.9	-0.3	0.1	0.6
17			119.7		120.7		118.7		117.3		115.8		117.4	
18			25.0		27.1		28.3		27.8		25.0		23.2	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	15	84.0	0.8		0.3		1.0		0.6		0.7		0.3	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.104

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CHN17500	CHN	92.0	121.4	23.8	1.14	0.82	64	A883	A884	2	
			121.4	23.8	1.14	0.82	64	A887	A882	1	

			1		2		3		4		5		6	
13														
14			124.5		122.8		121.9		121.1		118.9		119.6	
15			25.8		24.5		21.6		25.6		23.5		21.7	
16	21	64.3	4.6	4.5	5.9	5.5	2.1	2.5	4.8	4.7	3.7	3.8	3.8	3.9
17			124.5		122.8		121.9		121.1		118.9		119.6	
18			25.8		24.5		21.6		25.6		23.5		21.7	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	21	84.0	1.8		4.2		1.2		2.4		1.7		3.1	

1	2	3	4	5	6	7	8	9	10	11	12
CHN17900	CHN	92.0	112.2	21.9	1.84	1.22	37	A883	A884	2	
			112.2	21.9	1.84	1.22	37	A887	A882	1	

			1		2		3		4		5		6	
13														
14			117.6		112.0		108.0		108.4		110.0		116.0	
15			23.2		24.7		19.9		18.0		18.0		24.9	
16	19	63.8	1.8	2.8	1.0	2.0	4.6	5.6	4.6	5.6	5.0	6.0	2.0	3.0
17			117.6		112.0		108.0		108.4		110.0		116.0	
18			23.2		24.7		19.9		18.0		18.0		24.9	
19			N		N		N		N		N		N	
20			0		0		0		0		0		0	
21	19	84.0	15.8		16.7		17.1		16.1		16.3		17.2	

1	2	3	4	5	6	7	8	9	10	11	12
CHN18000	CHN	92.0	113.7	12.9	3.76	2.18	72	A883	A884	2	
			113.1	23.1	4.70	3.50	96	A887	A882	1	

			1		2		3		4		5		6	
13														
14			112.0		119.0		119.0		109.0		108.3		115.3	
15			3.0		12.0		19.2		17.2		6.5		21.5	
16	13	63.6	6.6	5.3	5.5	4.6	5.0	4.3	3.6	3.3	4.9	4.2	5.0	4.3
17			102.7		105.6		117.7		116.4		111.4			
18			22.9		31.8		38.5		40.0		10.2			
19			N		K		K		K		N			
20			0		0		0		0		0			
21	13	84.0	-0.2		-0.3		-0.4		-0.9		0.0			

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00400	AUS	98.0	121.8	-24.9	3.60	1.90	54	A883	A884	2	1.
			130.5	-24.3	6.22	4.71	51	A887	A885	1	

			1		2		3		4		5		6	
			124.5		116.7		114.6		115.9		126.6		128.3	
			-15.5		-20.7		-28.8		-32.0		-31.0		-17.8	
16	03	63.0	9.8	10.1	11.9	11.8	12.3	12.1	12.5	12.2	7.3	7.9	10.0	10.2
16	07	63.1	9.7	10.0	11.9	11.8	12.3	12.1	12.5	12.2	7.3	7.9	10.0	10.2
16	11	63.1	9.8	10.1	12.0	11.8	12.3	12.1	12.6	12.3	7.3	7.9	10.0	10.2
16	15	63.2	1.7	2.5	8.6	8.6	9.0	8.9	9.2	9.0	5.9	6.3	5.2	5.7
16	19	63.2	-1.2	-0.4	6.4	6.4	7.2	7.1	7.4	7.2	4.8	5.1	2.7	3.3
16	23	63.3	-1.1	-0.2	6.7	7.0	7.4	7.6	7.6	7.8	5.0	5.5	3.1	3.8

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	03 87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2
21	07 87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2
21	11 87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2
21	15 87.0	5.5	5.8	5.9	6.3	5.3	7.1	6.1	5.9	7.0	8.4
21	19 87.0	3.7	4.0	4.1	4.5	3.5	5.3	4.3	4.2	5.3	6.6
21	23 87.0	5.6	5.9	6.0	6.3	5.4	7.2	6.1	6.0	7.1	8.4

1	2	3	4	5	6	7	8	9	10	11	12
AUS00500	AUS	98.0	133.5	-18.8	2.70	1.40	76	A883	A884	2	1.
			130.5	-24.3	6.22	4.71	51	A887	A885	1	

			1		2		3		4		5		6	
			130.8		131.7		137.9		129.0		135.6		137.7	
			-12.5		-25.3		-17.2		-16.5		-12.0		-23.5	
16	01	64.3	1.8	2.7	5.9	6.6	9.6	9.9	3.2	4.0	6.0	6.7	7.7	8.2
16	05	64.4	1.8	2.7	5.9	6.6	9.5	9.8	3.2	4.0	5.9	6.6	7.6	8.1
16	09	64.4	1.7	2.6	5.8	6.5	9.4	9.7	3.1	3.9	5.9	6.6	7.6	8.1
16	13	64.4	1.7	2.6	5.8	6.5	9.4	9.7	3.1	3.9	5.9	6.6	7.5	8.0
16	17	64.5	-1.6	-0.7	5.3	5.8	8.2	8.2	2.7	3.4	2.4	3.1	6.3	6.7
16	21	64.5	-1.7	-0.8	5.3	5.8	8.1	8.2	2.6	3.3	2.3	3.0	6.3	6.7

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	01 87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2
21	05 87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2
21	09 87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.8	11.2
21	13 87.0	8.2	8.5	8.7	9.0	8.0	9.8	8.8	8.7	9.8	11.1
21	17 87.0	5.5	5.8	6.0	6.3	5.3	7.1	6.1	6.0	7.1	8.4
21	21 87.0	5.5	5.8	5.9	6.3	5.3	7.1	6.1	5.9	7.1	8.4

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00600	AUS	98.0	135.4	-30.3	2.00	1.40	44	A883	A884	1	1.
			130.5	-24.3	6.22	4.71	51	A887	A885	2	

			1		2		3		4		5		6	
			141.0		140.9		138.6		133.2		129.5		140.8	
			-32.1		-35.3		-34.9		-26.6		-30.7		-27.7	
16	02	63.2	4.6	5.6	5.5	6.5	7.0	8.0	4.4	5.4	5.8	6.8	1.0	2.0
16	06	63.3	4.6	5.6	5.5	6.5	7.0	8.0	4.4	5.4	5.8	6.8	1.1	2.1
16	10	63.3	4.7	5.7	5.7	6.7	7.3	8.3	4.6	5.6	6.0	7.0	1.1	2.1
16	14	63.4	4.8	5.8	5.8	6.8	7.3	8.3	4.6	5.6	6.0	7.0	1.1	2.1
16	18	63.4	-0.9	0.1	-1.7	-0.7	-0.7	0.3	-0.9	0.1	-1.1	-0.1	-2.6	-1.6
16	22	63.5	-0.9	0.1	-1.8	-0.8	-0.7	0.3	-0.9	0.1	-1.1	-0.1	-2.6	-1.6

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7
19		P	P	P	F	F	F	K	F	P	E
20		0	0	0	0	0	0	0	0	0	0
21	28 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	32 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	36 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	40 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.9	23.2
21	26 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	30 87.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2

1	2	3	4	5	6	7	8	9	10	11	12
PHL28500	PHL	98.0	121.3	11.1	3.46	1.76	99	A883	A884	2	
			121.3	11.1	3.46	1.76	99	A887	A882	2	

			1		2		3		4		5		6	
			122.0		120.0		126.0		126.0		117.0		125.0	
			21.0		5.0		6.0		11.0		7.5		15.0	
16	16	63.7	6.4	6.1	9.0	7.9	7.6	7.0	8.4	7.5	7.7	7.0	8.7	7.7
16	18	63.7	2.6	3.0	4.8	4.9	3.5	3.8	4.4	4.5	3.6	3.9	4.8	4.9
16	20	63.7	1.9	2.4	8.4	7.5	7.4	6.8	8.5	7.5	7.2	6.7	8.8	7.7
16	22	63.7	0.6	1.2	4.8	4.8	3.6	3.9	4.3	4.4	3.6	3.9	4.6	4.7
16	24	63.8	9.0	8.7	11.4	10.4	10.6	9.9	11.3	10.3	10.1	9.5	11.5	10.5

17		122.0	120.0	126.0	126.0	117.0	125.0
18		21.0	5.0	6.0	11.0	7.5	15.0
19		N	P	P	N	P	N
20		0	0	0	0	0	0
21	16 84.0	2.0	3.6	2.0	2.4	2.1	3.0
21	18 84.0	2.0	3.6	2.0	2.4	2.1	3.0
21	20 84.0	1.9	3.5	2.0	2.4	2.1	2.9
21	22 84.0	1.9	3.5	2.0	2.4	2.1	2.9
21	24 84.0	4.7	6.3	4.7	5.1	4.9	5.7

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
INS03500	INS	104.0	124.3 115.2	-3.2 -1.7	3.34 9.14	1.94 3.43	82 170	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			128.1		128.6		123.6		119.4		119.8		125.5	
15			-3.6		0.8		-10.2		-5.1		-0.9		4.0	
16	01	63.3	8.7	4.3	10.0	4.7	7.9	4.1	13.8	5.3	14.0	5.3	6.7	3.6
16	05	63.3	8.5	4.3	9.4	4.5	7.7	4.0	13.3	5.2	13.3	5.2	5.9	3.3
16	09	63.3	8.5	4.3	9.3	4.5	7.7	4.0	13.3	5.2	13.5	5.3	5.8	3.3
16	13	63.4	8.4	4.0	8.7	4.1	7.6	3.8	8.6	4.1	5.5	3.0	4.3	2.4
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	-1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	9.1	-4.0		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	01	84.0	2.2	4.5	3.4	1.8	2.8	1.7	2.8	0.3	-4.2	3.2		
21	05	84.0	2.2	4.5	3.4	1.8	2.8	1.7	2.8	0.3	-4.2	3.2		
21	09	84.0	2.2	4.5	3.4	1.8	2.8	1.7	2.8	0.3	-4.2	3.2		
21	13	84.0	1.9	4.2	3.1	1.5	2.5	1.4	2.6	0.0	-4.5	3.0		

1	2	3	4	5	6	7	8	9	10	11	12
INS03600	INS	104.0	135.2 115.2	-3.8 -1.7	2.46 9.14	2.00 3.43	147 170	A883 A887	A884 A882	1 2	

			1		2		3		4		5		6	
13														
14			140.6		140.3		128.0		131.8		128.1		135.2	
15			-2.6		-8.5		-7.0		-7.3		-3.6		-3.8	
16	03	63.8	5.0	2.8	3.8	2.2	4.0	2.3	6.2	3.4	9.1	4.4	9.2	4.4
16	07	63.8	5.0	2.8	3.7	2.1	3.9	2.2	6.1	3.3	9.0	4.3	9.1	4.3
16	11	63.9	5.0	2.8	3.7	2.2	3.9	2.3	6.1	3.3	9.0	4.3	9.1	4.4
16	15	63.9	5.2	2.9	3.9	2.3	3.8	2.2	6.1	3.3	8.8	4.3	9.2	4.4
16	19	64.0	12.7	5.1	9.6	4.6	1.5	0.8	5.5	3.1	4.4	2.6	11.3	4.9
17			91.2	104.0	118.0	140.8	120.0	95.5	106.0	130.0	141.0	100.0		
18			3.8	1.4	4.4	-1.0	-10.0	7.8	-7.4	6.6	9.1	0.8		
19			P	P	P	P	P	P	P	P	P	P		
20			0	0	0	0	0	0	0	0	0	0		
21	03	84.0	2.1	4.4	3.2	1.6	2.7	1.5	2.7	0.1	-4.3	3.9		
21	07	84.0	2.0	4.3	3.2	1.6	2.6	1.5	2.7	0.1	-4.4	3.9		
21	11	84.0	2.1	4.4	3.3	1.7	2.7	1.6	2.7	0.2	-4.3	4.0		
21	15	84.0	2.1	4.4	3.3	1.6	2.7	1.6	2.7	0.1	-4.3	3.9		
21	19	84.0	2.3	4.6	3.4	1.8	2.9	1.7	2.9	0.3	-4.2	4.1		

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
J 11100	J	110.0	134.5 134.5	31.5 31.5	3.52 3.52	3.30 3.30	68 68	A883 A887	A884 A882	1 1	

			1		2		3		4		5		6	
13														
14			141.9		129.3		123.7		142.3		145.8		145.3	
15			45.5		34.7		24.3		26.4		43.4		44.3	
16	01	63.2	8.1	6.9	3.0	3.2	-1.2	-0.5	7.2	6.3	8.5	7.1	8.4	7.0
16	03	64.2	2.3	2.0	1.3	1.2	4.8	3.7	10.2	6.2	5.1	3.9	4.4	3.5
16	05	64.2	8.1	5.4	2.3	2.0	-0.4	-0.1	8.1	5.4	8.5	5.6	8.4	5.6
16	07	64.2	2.4	2.1	1.4	1.3	5.1	3.9	10.3	6.3	5.1	3.9	4.4	3.5
16	09	64.3	7.7	5.3	2.5	2.2	-0.2	0.0	8.2	5.5	8.5	5.6	8.4	5.6
16	11	64.3	2.4	2.1	1.4	1.3	5.3	4.0	10.3	6.3	5.1	3.9	4.4	3.5
16	13	64.3	7.8	5.9	3.6	3.3	1.8	1.9	9.6	6.7	8.5	6.2	8.4	6.2
16	15	64.4	5.4	5.0	4.3	4.2	4.4	4.2	10.2	7.8	7.4	6.3	7.0	6.1
17			142.0	131.9	129.3	123.5	123.8	142.3	139.7	130.4	141.4			
18			45.5	37.3	34.7	25.8	24.3	26.4	35.7	33.6	43.1			
19			K	K	K	N	N	N	M	M	K			
20			5	5	5	5	5	5	5	5	5			
21	01	87.0	0.8	2.9	3.0	1.4	1.2	1.4	3.5	3.5	1.6			
21	03	87.0	-2.1	0.0	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2			
21	05	87.0	-2.1	0.0	0.1	-1.5	-1.7	-1.4	0.7	0.7	-1.2			
21	07	87.0	-2.1	0.0	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2			
21	09	87.0	-2.1	0.0	0.1	-1.5	-1.7	-1.4	0.7	0.7	-1.2			
21	11	87.0	-2.1	0.0	0.2	-1.5	-1.7	-1.4	0.7	0.7	-1.2			
21	13	87.0	-1.0	1.2	1.3	-0.4	-0.5	-0.3	1.8	1.8	-0.1			
21	15	87.0	0.5	2.7	2.8	1.2	1.0	1.2	3.3	3.3	1.4			

1	2	3	4	5	6	7	8	9	10	11	12
KOR11200	KOR	110.0	127.5 127.5	36.0 36.0	1.24 1.24	1.02 1.02	168 168	A883 A887	A884 A882	2 2	

			1		2		3		4		5		6	
13														
14			124.6		125.0		126.2		129.0		130.8		128.4	
15			37.9		34.0		33.0		35.1		37.4		38.4	
16	02	63.6	-2.9	-2.1	-2.6	-1.9	-3.0	-2.2	-0.5	0.1	-1.4	-0.7	-1.1	-0.5
16	04	63.6	-2.0	-1.3	-1.5	-0.8	-1.8	-1.1	0.7	1.2	-0.1	0.4	0.0	0.5
16	06	63.6	-3.0	-2.2	-2.6	-1.9	-3.0	-2.2	-0.6	0.0	-1.5	-0.8	-1.2	-0.6
16	08	63.7	1.3	1.7	1.9	2.2	1.2	1.6	2.8	3.0	1.5	1.9	2.3	2.5
16	10	63.7	-0.7	-0.1	-0.4	0.2	-1.0	-0.4	0.7	1.2	-0.4	0.2	0.3	0.8
16	12	63.7	0.6	1.1	-0.6	0.0	-0.9	-0.3	2.3	2.5	1.4	1.8	2.2	2.5
17			126.3	131.9	125.1	129.1	126.9	124.7	126.6	127.2	127.9	128.4		
18			33.1	37.3	34.1	35.1	37.5	38.0	37.9	38.3	38.3	38.5		
19			M	K	K	K	K	K	K	K	K	K		
20			0	0	0	0	0	0	0	0	0	0		
21	02	89.0	1.3	0.5	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1		
21	04	89.0	1.3	0.5	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1		
21	06	89.0	1.3	0.5	2.0	3.3	3.3	1.1	2.7	2.4	2.5	2.1		
21	08	89.0	1.3	0.5	2.0	3.4	3.3	1.1	2.7	2.4	2.5	2.1		
21	10	89.0	1.3	0.5	2.0	3.3	3.3	1.0	2.7	2.3	2.4	2.1		
21	12	89.0	1.2	0.5	2.0	3.3	3.3	1.0	2.7	2.3	2.4	2.1		

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.109

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
KRE28600	KRE	110.0	127.0	39.1	1.30	1.10	31	A883	A884	2	
			127.0	39.1	1.30	1.10	31	A887	A882	2	

			1		2		3		4		5		6	
13														
14			126.5		128.4		130.7		130.0		124.0		124.7	
15			37.7		38.6		42.3		43.0		39.9		38.1	
16	14	64.0	1.8	2.0	1.6	1.9	0.2	0.7	0.1	0.6	0.7	1.1	1.7	2.0
16	16	64.0	2.5	3.0	3.5	3.9	3.7	4.1	3.8	4.2	0.0	0.7	0.9	1.6
16	18	64.0	7.3	7.8	8.1	8.5	7.6	8.0	7.1	7.6	5.1	5.8	6.3	6.9
16	20	64.0	2.2	3.0	1.2	2.1	-2.3	-1.4	-2.5	-1.6	1.0	1.9	2.3	3.1
16	22	64.0	4.8	5.5	4.2	4.9	-0.1	0.8	-0.9	0.0	1.1	1.9	3.9	4.6

17		126.6	128.4	130.7	130.0	124.2	124.7	132.5	123.5	
18		37.8	38.6	42.3	43.0	39.8	38.1	40.2	38.5	
19		N	K	K	K	M	K	M	M	
20		0	0	0	0	0	0	0	0	
21	14 87.0	4.1	3.8	1.8	1.4	2.3	3.6	0.0	2.3	
21	16 87.0	6.9	6.6	4.6	4.2	5.1	6.4	2.8	5.1	
21	18 87.0	11.2	10.9	8.9	8.5	9.4	10.7	7.1	9.4	
21	20 87.0	11.1	10.7	8.7	8.4	9.2	10.5	7.0	9.2	
21	22 87.0	10.7	10.4	8.4	8.0	8.9	10.2	6.6	8.9	

1	2	3	4	5	6	7	8	9	10	11	12
URS07700	URS	110.0	112.7	57.3	2.67	1.75	2	A883	A884	1	2.
			137.0	50.5	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			117.8		110.8		103.6		103.0		125.0		106.2	
15			49.4		49.1		50.1		59.6		55.0		69.5	
16	19	64.1	0.3	0.6	1.9	1.9	4.1	3.6	11.7	7.3	2.3	2.2	12.7	7.6
16	23	66.1	2.4	2.8	3.9	4.1	6.3	6.0	14.5	10.3	4.5	4.6	15.8	10.6
16	27	67.2	19.1	20.1	19.6	20.6	16.0	17.0	13.1	14.1	16.1	17.1	11.6	12.6

17		156.2	160.8	127.3	135.4	
18		65.3	61.3	49.9	58.5	
19		A	A	F	C	
20		0	0	0	0	
21	19 89.0	-1.2	-1.2	-0.7	-1.0	
21	23 89.0	1.8	1.8	2.3	2.0	
21	27 89.0	35.1	35.2	35.6	35.4	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.110

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS07701	URS	110.0	112.7	57.3	2.67	1.75	2	A883	A884	1	2.
			137.0	50.5	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			117.8		110.8		103.6		103.0		125.0		106.2	
15			49.4		49.1		50.1		59.6		55.0		69.5	
16	31	67.2	19.1	20.1	19.4	20.4	15.0	16.0	15.3	16.3	16.1	17.1	14.2	15.2
16	35	67.3	19.1	20.1	19.7	20.7	16.1	17.1	15.7	16.7	16.1	17.1	14.2	15.2
16	39	67.4	3.8	4.8	3.4	4.4	2.0	3.0	9.3	10.3	6.4	7.4	12.6	13.6

17		156.2	160.8	127.3	135.4	
18		65.3	61.3	49.9	58.5	
19		A	A	F	C	
20		0	0	0	0	
21	31 89.0	35.0	35.1	35.5	35.3	
21	35 89.0	35.0	35.0	35.5	35.3	
21	39 89.0	26.8	26.8	27.3	27.1	

1	2	3	4	5	6	7	8	9	10	11	12
URS07800	URS	110.0	108.2	53.4	2.16	0.78	10	A883	A884	1	2.
			110.0	60.0	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			107.8		98.5		100.2		114.2		108.5		116.5	
15			50.0		52.2		53.2		53.1		56.6		54.8	
16	25	65.0	0.5	1.5	0.7	1.7	2.0	3.0	3.5	4.5	4.7	5.7	4.2	5.2

17		121.3	116.2	103.8	98.7	
18		60.2	51.4	51.4	60.2	
19		C	E	E	C	
20		0	0	0	0	
21	25 89.0	24.1	24.4	24.4	24.1	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.111

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CAR33800	USA	122.0	149.5	8.0	5.36	0.77	178	A883	A884	1	
			151.1	11.6	6.48	3.49	179	A887	A882	2	

13			1		2		3		4		5		
14			134.6		138.1		151.7		158.3		145.0		
15			7.5		9.5		7.5		7.0		7.0		
16	01	62.5	4.1	5.0	6.4	7.2	17.9	16.9	17.4	16.6	12.0	12.4	
16	05	62.5	3.7	4.6	5.7	6.5	16.3	15.8	16.7	16.1	10.7	11.2	
16	09	62.6	3.7	4.6	5.8	6.6	16.3	15.8	16.7	16.1	10.8	11.3	
16	13	62.6	3.6	4.5	5.7	6.5	15.4	15.1	14.9	14.8	10.5	11.0	
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1		
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1		
19			P	P	N	N	P	P	D	N	P		
20			0	0	0	0	0	0	0	0	0		
21	01	87.0	11.7	13.0	13.8	11.4	12.0	12.9	11.3	12.2	11.2		
21	05	87.0	11.7	13.0	13.8	11.4	12.0	12.9	11.2	12.2	11.2		
21	09	87.0	11.7	13.0	13.8	11.4	12.0	12.9	11.2	12.2	11.2		
21	13	87.0	11.6	12.9	13.8	11.4	11.9	12.8	11.2	12.1	11.1		

1	2	3	4	5	6	7	8	9	10	11	12
CAR33801	USA	122.0	149.5	8.0	5.36	0.77	178	A883	A884	1	
			-157.5	21.0	2.02	0.60	115	A887	A882	2	

13			1		2		3		4		5		
14			134.6		138.1		151.7		158.3		145.0		
15			7.5		9.5		7.5		7.0		7.0		
16	17	62.7	11.0	11.8	12.9	13.6	18.7	18.7	16.5	16.9	13.5	14.2	
17			-158.0	-160.0	-158.0								
18			20.0	23.0	22.5								
19			D	D	D								
20			0	0	0								
21	17	87.0	16.3	15.8	16.1								

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.112

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
GUM33100	USA	122.0	144.5	13.1	0.60	0.60	0	A883	A884	2	
			151.1	11.6	6.48	3.49	179	A887	A882	1	

13			1										
14			144.7										
15			13.4										
16	02	63.4	7.1	8.1									
16	06	63.4	7.1	8.1									
16	10	63.4	7.2	8.2									
16	14	63.5	7.2	8.2									
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1		
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1		
19			P	P	N	N	P	P	D	N	P		
20			0	0	0	0	0	0	0	0	0		
21	21	87.0	24.1	25.4	26.2	23.8	24.4	25.3	23.6	24.6	23.6		
21	25	87.0	30.0	31.3	32.1	29.8	30.3	31.2	29.6	30.5	29.5		
21	29	87.0	32.5	33.8	34.6	32.2	32.8	33.7	32.0	33.0	32.0		
21	33	87.0	35.1	36.4	37.2	34.9	35.4	36.3	34.7	35.6	34.6		

1	2	3	4	5	6	7	8	9	10	11	12
GUM33101	USA	122.0	144.5	13.1	0.60	0.60	0	A883	A884	2	
			-157.5	21.0	2.02	0.60	115	A887	A882	1	

13			1										
14			144.7										
15			13.4										
16	18	63.5	7.3	8.3									
17			-158.0	-160.0	-158.0								
18			20.0	23.0	22.5								
19			D	D	D								
20			0	0	0								
21	37	87.0	60.1	59.7	59.9								

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.113

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRA33200	USA	122.0	145.9 151.1	16.9 11.6	1.20 6.48	0.60 3.49	76 179	A883 A887	A884 A882	1 2	

13			1		2		3							
14			145.0		145.6		146.9							
15			20.0		15.1		15.1							
16	03	63.5	-3.5	-2.5	4.5	5.4	2.6	3.5						
16	07	63.5	-3.6	-2.6	4.5	5.4	2.6	3.5						
16	11	63.6	-3.6	-2.6	4.5	5.4	2.6	3.5						
16	15	63.6	-3.6	-2.6	4.5	5.4	2.6	3.5						
17			134.6	138.6	144.5		145.0	146.0	158.3	166.6	170.2	171.1		
18			7.5	9.5	13.0		20.0	4.0	7.0	19.3	12.5	7.1		
19			P	P	N		N	P	P	D	N	P		
20			0	0	0		0	0	0	0	0	0		
21	03	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.1	13.1	12.1		
21	07	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.1	13.1	12.1		
21	11	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.2	13.1	12.1		
21	15	87.0	12.6	13.9	14.7		12.3	12.9	13.8	12.2	13.1	12.1		

1	2	3	4	5	6	7	8	9	10	11	12
MRA33201	USA	122.0	145.9 -157.5	16.9 21.0	1.20 2.02	0.60 0.60	76 115	A883 A887	A884 A882	1 2	

13			1		2		3							
14			145.0		145.6		146.9							
15			20.0		15.1		15.1							
16	19	63.7	9.5	10.5	7.6	8.6	6.2	7.2						
17			-158.0	-160.0	-158.0									
18			20.0	23.0	22.5									
19			D	D	D									
20			0	0	0									
21	19	87.0	37.9	37.4	37.6									

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.114

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00700	AUS	128.0	145.0 133.6	-38.1 -24.4	1.83 6.75	1.39 5.90	134 172	A883 A887	A884 A885	2 1	1.

13			1		2		3		4		5		6							
14			141.0		140.0		147.4		149.6		144.7		146.9							
15			-34.0		-37.3		-42.9		-37.5		-36.1		-36.1							
16	04	63.3	1.9	2.9	2.0	3.0	3.0	4.0	1.3	2.3	3.2	4.2	2.2	3.2						
16	08	63.4	1.9	2.9	2.0	3.0	3.0	4.0	1.3	2.3	3.3	4.3	2.2	3.2						
16	12	63.4	1.8	2.7	1.9	2.8	2.8	3.7	1.1	2.0	3.1	3.9	2.0	2.9						
16	16	63.5	6.7	7.4	8.1	8.6	9.9	10.2	5.8	6.5	7.7	8.3	6.2	6.9						
16	20	63.5	6.6	7.3	8.0	8.5	9.8	10.1	5.8	6.5	7.6	8.2	6.2	6.9						
16	24	63.6	7.0	8.0	8.5	9.5	11.7	12.7	6.6	7.6	8.0	9.0	6.8	7.8						
17			142.2	153.0	151.2		145.0	147.3	138.6		115.9	114.1	130.8		133.9					
18			-10.6	-27.5	-33.9		-37.2	-42.9	-34.9		-32.0	-21.6	-12.5		-23.7					
19			P	P	P		F	F	F		K	F	P		E					
20			0	0	0		0	0	0		0	0	0		0					
21	04	87.0	27.4	27.6	27.7		28.1	27.0	28.9		27.4	27.2	28.7		30.1					
21	08	87.0	27.4	27.6	27.7		28.1	27.0	29.0		27.4	27.2	28.7		30.2					
21	12	87.0	9.0	9.2	9.3		9.7	8.6	10.6		9.0	8.8	10.3		11.8					
21	16	87.0	9.0	9.2	9.3		9.8	8.6	10.6		9.0	8.8	10.3		11.8					
21	20	87.0	9.0	9.2	9.3		9.7	8.5	10.5		8.9	8.8	10.3		11.7					
21	24	87.0	28.1	28.3	28.4		28.8	27.7	29.7		28.1	27.9	29.4		30.9					

1	2	3	4	5	6	7	8	9	10	11	12
AUS00800	AUS	128.0	145.9 133.7	-21.5 -24.4	2.90 6.78	2.00 5.90	120 172	A883 A887	A884 A885	2 1	1.

13			1		2		3		4		5		6							
14			139.3		142.8		149.0		141.1		149.2		153.4							
15			-17.3		-14.5		-29.0		-24.2		-21.2		-28.0							
16	02	63.8	7.3	8.3	4.2	5.2	2.9	3.9	3.1	4.1	10.4	11.4	5.2	6.2						
16	06	63.7	7.2	8.2	4.1	5.1	2.8	3.8	3.0	4.0	10.3	11.3	5.2	6.2						
16	10	63.8	7.3	8.3	4.2	5.2	2.8	3.8	3.1	4.1	10.4	11.4	5.2	6.2						
16	14	63.9	7.0	7.6	4.1	4.9	2.7	3.6	3.0	3.8	10.0	10.3	4.7	5.5						
16	18	63.9	7.3	7.9	8.3	8.8	2.7	3.6	3.0	3.9	11.3	11.4	4.7	5.5						
16	22	64.0	7.3	7.9	8.5	9.0	2.7	3.6	3.0	3.9	11.4	11.5	4.7	5.5						
17			142.2	153.0	151.2		145.0	147.3	138.6		115.9	114.1	130.8		133.9					
18			-10.6	-27.5	-33.9		-37.2	-42.9	-34.9		-32.0	-21.6	-12.5		-23.7					
19			P	P	P		F	F	F		K	F	P		E					
20			0	0	0		0	0	0		0	0	0		0					
21	02	87.0	21.5	21.8	21.9		22.3	21.1	23.1		21.5	21.3	22.8		24.3					
21	06	87.0	21.5	21.8	21.9		22.3	21.1	23.1		21.5	21.3	22.8		24.3					
21	10	87.0	22.3	22.5	22.6		23.0	21.9	23.8		22.3	22.1	23.6		25.0					
21	14	87.0	8.8	9.1	9.2		9.6	8.4	10.4		8.8	8.6	10.1		11.6					
21	18	87.0	9.0	9.2	9.3		9.7	8.6	10.5		8.9	8.8	10.3		11.7					
21	22	87.0	9.0	9.2	9.3		9.7	8.6	10.5		8.9	8.8	10.3		11.7					

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.115

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
AUS00900	AUS	128.0	147.2	-32.0	2.10	1.40	15	A883	A884	1	1.
			133.7	-24.4	6.78	5.90	172	A887	A885	2	

			1		2		3		4		5		6	
13														
14			150.0		141.9		153.0		149.0		144.7		141.0	
15			-36.5		-29.3		-30.0		-29.0		-36.1		-34.0	
16	03	64.1	4.4	5.4	4.1	5.1	5.5	6.5	5.8	6.8	4.0	5.0	3.8	4.8
16	07	64.1	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9	3.6	4.6
16	11	64.2	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9	3.6	4.6
16	15	64.2	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5	5.5	4.3	5.3
16	19	64.3	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5	5.5	4.3	5.3
16	23	64.3	5.1	6.1	4.8	5.8	6.4	7.4	6.6	7.6	4.5	5.5	4.3	5.3

17		142.2	153.0	151.2	145.0	147.3	138.6	115.9	114.1	130.8	133.9	
18		-10.6	-27.5	-33.9	-37.2	-42.9	-34.9	-32.0	-21.6	-12.5	-23.7	
19		P	P	P	F	F	F	K	F	P	E	
20		0	0	0	0	0	0	0	0	0	0	
21	28	87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
21	32	87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
21	36	87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
21	40	87.0	20.5	20.7	20.8	21.2	20.0	22.0	20.4	20.3	21.7	23.2
21	26	87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2
21	30	87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7	23.2

1	2	3	4	5	6	7	8	9	10	11	12
NZL28700	NZL	128.0	173.0	-41.0	3.30	1.28	48	A883	A884	1	
			173.0	-41.0	3.30	1.28	48	A887	A882	2	

			1		2		3		4		5	
13												
14			171.8		175.9		166.3		180.0		175.0	
15			-34.1		-44.3		-45.5		-40.0		-47.0	
16	13	64.8	1.5	2.1	2.8	3.3	1.3	1.9	3.0	3.4	2.8	3.3
16	17	64.8	15.0	11.0	14.9	11.0	12.0	9.8	16.0	11.3	14.1	10.7
16	21	64.9	15.3	11.1	15.1	11.1	12.1	9.9	16.3	11.4	14.3	10.8

17		171.8	175.9	166.3	180.0	175.0	
18		-34.1	-44.3	-45.5	-40.0	-47.0	
19		K	K	K	K	K	
20		0	0	0	0	0	
21	13	84.0	3.4	4.4	2.6	3.3	4.0
21	17	84.0	3.5	4.5	2.7	3.4	4.1
21	21	84.0	3.5	4.5	2.7	3.4	4.1

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.116

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NRU30900	NRU	134.0	167.0	-0.5	0.60	0.60	0	A883	A884	2	
			167.0	-0.5	0.60	0.60	0	A887	A882	1	

			1		2		3		4		5	
13												
14			167.0		167.0		166.0		167.0		166.9	
15			-0.5		-0.5		-2.0		-2.0		-0.5	
16	03	62.5	15.2	16.2	15.2	16.2	9.9	10.9	11.2	12.2	15.2	16.2
16	07	62.6	15.3	16.3	15.3	16.3	9.9	10.9	11.2	12.2	15.2	16.2
16	11	62.6	15.3	16.3	15.3	16.3	9.9	10.9	11.2	12.2	15.2	16.2
16	15	62.7	15.5	16.5	15.5	16.5	10.2	11.2	11.5	12.5	15.5	16.5

17		167.0					
18		-0.5					
19		N					
20		0					
21	03	84.0	31.6				
21	07	84.0	31.6				
21	11	84.0	31.6				
21	15	84.0	31.6				

1	2	3	4	5	6	7	8	9	10	11	12
NCL10000	F	140.0	166.0	-21.0	1.14	0.72	146	A883	A884	1	8/GR7
			166.0	-21.0	1.14	0.72	146	A887	A882	2	

			1		2		3	
13								
14			164.0		167.2		167.5	
15			-19.7		-20.8		-23.0	
16	02	63.8	-2.0	-6.0	-2.8	-6.2	-3.3	-6.4
16	06	63.8	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4
16	10	63.8	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4

17		164.0	167.2	167.5		
18		-19.7	-20.8	-23.0		
19		N	N	N		
20		0	0	0		
21	02	84.0	-12.9	-12.8	-14.3	
21	06	84.0	-12.9	-12.8	-14.3	
21	10	84.0	-12.9	-12.8	-14.3	

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NCL10001	F	140.0	166.0	-21.0	1.14	0.72	146	A883	A884	1	8/GR7
			-177.1	-13.6	1.22	0.60	46	A887	A882	2	

			1		2		3	
13								
14			164.0		167.2		167.5	
15			-19.7		-20.8		-23.0	
16	14	63.9	-2.0	-7.0	-2.8	-7.3	-3.3	-7.4
17			-178.0	-176.1	-176.6	-178.1		
18			-14.0	-13.1	-13.3	-14.2		
19			N	N	N	N		
20			0	0	0	0		
21	14	84.0	-15.7	-15.8	-15.3	-15.8		

1	2	3	4	5	6	7	8	9	10	11	12
URS07900	URS	140.0	138.0	53.6	3.16	2.12	62	A883	A884	2	2.
			137.0	50.5	2.00	2.00	0	A886	A882	1	

			1		2		3		4		5		6	
13														
14			130.6		143.4		152.5		131.0		128.4		140.7	
15			42.2		46.0		64.6		47.6		73.2		72.9	
16	20	67.7	2.9	3.9	16.4	17.2	24.7	24.5	9.0	10.0	19.5	20.1	22.1	22.4
16	24	67.8	6.5	7.5	19.8	20.8	23.6	24.5	10.5	11.5	17.8	18.8	20.2	21.1
16	28	67.8	22.9	23.8	24.5	25.3	25.0	25.8	21.4	22.3	0.8	1.8	20.1	21.0
16	32	67.9	23.6	24.6	25.3	26.2	25.0	26.0	21.7	22.7	17.5	18.5	20.1	21.1
16	36	68.0	24.3	25.3	26.3	27.2	25.0	26.0	22.1	23.1	17.7	18.7	20.1	21.1
16	40	68.0	24.4	25.4	26.3	27.2	25.0	26.0	22.1	23.1	17.7	18.7	20.1	21.1
17			135.6	143.8	132.1	128.3	128.5							
18			63.5	58.9	44.0	50.7	59.1							
19			C	A	K	F	C							
20			0	0	0	0	0							
21	20	89.0	20.8	20.9	21.2	21.0	20.9							
21	24	89.0	30.4	30.5	30.8	30.6	30.5							
21	28	89.0	29.9	30.0	30.3	30.1	30.0							
21	32	89.0	35.6	35.7	36.0	35.9	35.7							
21	36	89.0	36.3	36.4	36.7	36.6	36.4							
21	40	89.0	36.3	36.4	36.7	36.6	36.4							

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
URS08000	URS	140.0	155.3	55.4	2.90	2.36	35	A883	A884	1	2.
			137.0	50.5	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			-179.2		179.5		176.3		145.4		151.8		145.6	
15			65.5		62.6		68.0		43.6		46.8		63.8	
16	26	67.9	99.0	45.0	36.1	36.4	99.0	45.0	24.9	25.8	44.2	42.1	22.3	23.3
16	30	67.9	99.0	46.1	36.5	36.9	99.0	46.1	24.9	25.9	45.8	43.4	22.6	23.6
16	34	68.0	99.0	47.9	36.5	37.1	99.0	47.9	24.9	25.9	45.8	44.3	22.6	23.6
16	38	68.1	99.0	47.8	36.5	37.1	99.0	47.8	23.3	24.3	45.8	44.3	22.6	23.6
17			135.6	143.8	132.1	128.3	128.5							
18			63.5	58.9	44.0	50.7	59.1							
19			C	A	K	F	C							
20			0	0	0	0	0							
21	26	89.0	35.0	35.1	35.4	35.3	35.1							
21	30	89.0	36.1	36.3	36.5	36.4	36.2							
21	34	89.0	37.9	38.0	38.3	38.2	38.0							
21	38	89.0	37.8	37.9	38.2	38.1	37.9							

1	2	3	4	5	6	7	8	9	10	11	12
URS08100	URS	140.0	168.5	65.5	1.96	0.60	168	A883	A884	1	2.
			168.5	65.5	2.00	2.00	0	A886	A882	2	

			1		2		3		4		5		6	
13														
14			-179.2		179.5		158.1		176.3		174.3		168.6	
15			65.5		62.6		67.8		68.0		61.7		63.1	
16	22	68.1	32.3	33.0	28.0	28.9	12.9	13.9	33.1	33.7	28.7	29.5	29.7	30.5
17			167.2	157.7	152.2	153.0								
18			55.1	51.2	54.2	64.3								
19			C	C	A	A								
20			0	0	0	0								
21	22	89.0	34.3	34.4	34.4	34.1								

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.119

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
VUT12800	VUT	140.0	168.0	-16.4	1.52	0.68	87	A883	A884	2	
			168.0	-16.4	1.52	0.68	87	A887	A882	1	

			1		2		3	
13								
14			166.9		169.8		168.3	
15			-15.0		-20.0		-17.7	
16	03	62.8	12.1	10.2	6.6	6.6	11.6	10.0
16	07	62.9	12.2	10.3	6.7	6.7	11.7	10.0
16	11	63.0	12.2	10.3	6.7	6.7	11.7	10.0
16	15	63.0	12.5	10.5	6.7	6.7	11.8	10.1
17			166.9	169.8	168.3			
18			-15.0	-20.0	-17.7			
19			P	N	N			
20			0	0	0			
21	03	84.0	5.6	3.4	6.9			
21	07	84.0	5.6	3.4	6.9			
21	11	84.0	5.6	3.4	6.9			
21	15	84.0	5.7	3.5	7.0			

1	2	3	4	5	6	7	8	9	10	11	12
WAL10200	F	140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	8/GR8
			-176.8	-14.0	0.74	0.60	29	A887	A882	2	

			1		2		3		4	
13										
14			-178.0		-176.1		-176.6		-178.1	
15			-14.0		-13.1		-13.3		-14.2	
16	02	64.5	-1.6	-5.4	-1.2	-5.3	-0.8	-5.2	-2.0	-5.6
16	06	64.4	-1.6	-5.4	-1.2	-5.3	-0.8	-5.2	-1.9	-5.5
16	10	64.5	-1.6	-5.4	-1.2	-5.3	-0.8	-5.2	-1.9	-5.5
17			-178.0	-176.1	-176.6	-178.1				
18			-14.0	-13.1	-13.3	-14.2				
19			N	N	N	N				
20			0	0	0	0				
21	02	84.0	-12.8	-13.7	-13.0	-13.0				
21	06	84.0	-12.8	-13.7	-13.0	-13.0				
21	10	84.0	-12.8	-13.7	-13.0	-13.0				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.120

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
WAL10201	F	140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	8/GR8
			166.1	-21.3	1.31	0.82	133	A887	A882	2	

			1		2		3		4	
13										
14			-178.0		-176.1		-176.6		-178.1	
15			-14.0		-13.1		-13.3		-14.2	
16	14	64.6	-1.6	-5.4	-1.2	-5.3	-0.8	-5.2	-2.0	-5.6
17			164.0	167.2	167.5					
18			-19.7	-20.8	-23.0					
19			N	N	N					
20			0	0	0					
21	14	84.0	-13.3	-13.7	-13.1					

1	2	3	4	5	6	7	8	9	10	11	12
WAK33400	USA	140.0	166.5	19.2	0.60	0.60	0	A883	A884	1	
			152.5	11.7	7.89	3.52	0	A887	A882	1	

			1								
13											
14			166.6								
15			19.3								
16	01	63.6	17.8	15.3							
16	05	63.7	17.5	15.2							
16	09	63.7	17.4	15.1							
16	13	63.7	17.3	15.1							
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1
19			P	P	N	N	P	P	D	N	P
20			0	0	0	0	0	0	0	0	0
21	01	87.0	8.2	9.4	10.3	8.0	8.4	9.7	7.9	9.0	8.0
21	05	87.0	8.2	9.4	10.3	8.0	8.4	9.7	7.9	9.0	7.9
21	09	87.0	8.2	9.4	10.3	8.0	8.4	9.7	7.9	9.0	8.0
21	13	87.0	8.3	9.5	10.4	8.1	8.5	9.8	8.0	9.1	8.0

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.121

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
WAK33401	USA	140.0	166.5	19.2	0.60	0.60	0	A883	A884	1	
			-157.5	21.0	1.63	0.67	131	A887	A882	2	

13			1						
14			166.6						
15			19.3						
16	17	63.8	22.0	20.5					
17			-155.0	-158.0	-160.0	-158.0	-156.0	-155.0	
18			19.0	20.0	23.0	22.5	21.5	21.0	
19			N	D	D	D	D	D	
20			0	0	0	0	0	0	
21	17	87.0	14.2	14.8	14.3	14.7	14.5	14.6	

1	2	3	4	5	6	7	8	9	10	11	12
MRL33300	USA	146.0	166.7	7.9	1.50	1.50	177	A883	A884	1	
			153.1	11.5	7.87	3.64	1	A887	A882	2	

13			1		2		3		4		5			
14			162.1		167.3		171.1		169.5		170.2			
15			11.5		9.1		7.1		6.0		12.5			
16	02	63.3	12.8	13.6	17.1	17.7	13.6	14.4	14.0	14.8	15.6	16.3		
16	06	63.3	12.8	13.6	17.1	17.7	13.6	14.4	14.0	14.8	15.6	16.3		
16	10	63.4	13.2	14.0	17.3	17.9	13.8	14.6	14.1	14.9	15.9	16.6		
16	14	63.5	13.3	14.1	17.3	17.9	13.8	14.6	14.1	14.9	16.0	16.7		
17			134.6	138.6	144.5	145.0	146.0	158.3	166.6	170.2	171.1			
18			7.5	9.5	13.0	20.0	4.0	7.0	19.3	12.5	7.1			
19			P	P	N	N	P	P	D	N	P			
20			0	0	0	0	0	0	0	0	0			
21	02	87.0	18.2	19.4	20.3	18.0	18.7	19.9	18.1	19.0	18.1			
21	06	87.0	18.2	19.4	20.3	18.1	18.7	19.9	18.1	19.1	18.1			
21	10	87.0	18.6	19.8	20.6	18.4	19.1	20.3	18.4	19.4	18.4			
21	14	87.0	18.8	20.0	20.9	18.7	19.3	20.5	18.7	19.7	18.7			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.122

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
MRL33301	USA	146.0	166.7	7.9	1.50	1.50	177	A883	A884	1	
			-157.5	21.0	1.63	0.67	131	A887	A882	2	

13			1		2		3		4		5
14			162.1		167.3		171.1		169.5		170.2
15			11.5		9.1		7.1		6.0		12.5
16	18	63.5	15.8	16.7	19.6	20.3	16.9	17.7	18.5	19.3	19.0 19.7
17			-155.0	-158.0	-160.0	-158.0	-156.0	-155.0			
18			19.0	20.0	23.0	22.5	21.5	21.0			
19			N	D	D	D	D	D			
20			0	0	0	0	0	0			
21	18	87.0	22.0	22.4	22.0	22.5	21.8	21.9			

1	2	3	4	5	6	7	8	9	10	11	12
FJI19300	FJI	152.0	179.4	-17.9	1.04	0.98	67	A883	A884	1	
			179.4	-17.9	1.04	0.98	67	A887	A882	2	

13			1		2		3		4		5		6	
14			177.5		-178.5		176.9		180.0		-179.1		-178.3	
15			-19.0		-19.9		-17.1		-15.7		-16.1		-19.0	
16	01	63.7	6.4	7.4	4.9	5.9	10.3	11.3	10.6	11.6	9.9	10.9	7.1	8.1
16	05	63.8	6.3	7.3	4.8	5.8	10.2	11.2	10.5	11.5	9.7	10.7	6.9	7.9
16	09	63.8	6.2	7.2	4.7	5.7	10.1	11.1	10.5	11.5	9.7	10.7	6.8	7.8
17			177.5	-178.5	176.9	180.0	-179.1	-178.3						
18			-19.0	-19.9	-17.1	-15.7	-16.1	-19.0						
19			N	N	N	N	N	N						
20			0	0	0	0	0	0						
21	01	84.0	26.2	25.6	25.9	25.9	25.7	26.2						
21	05	84.0	26.2	25.5	25.9	25.9	25.7	26.2						
21	09	84.0	26.2	25.6	25.9	25.9	25.7	26.2						

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.123

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CKH05200	NZL	158.0	-161.0	-19.8	1.02	0.64	132	A883	A884	2	8/GR3
			-161.0	-19.8	1.02	0.64	132	A887	A882	1	

13			1		2		3		4		5		
14			-163.5		-158.5		-157.2		-157.6		-160.0		
15			-17.5		-19.4		-20.0		-22.0		-21.3		
16	02	64.7	15.0	11.9	16.3	12.4	15.3	12.1	17.6	12.8	18.6	13.0	
16	06	64.6	14.9	11.9	16.2	12.4	15.2	12.0	17.6	12.8	18.5	13.0	
16	10	64.7	14.9	11.9	16.2	12.4	15.2	12.0	17.6	12.8	18.5	13.0	
16	14	64.8	14.9	11.9	16.2	12.4	15.2	12.0	17.5	12.8	18.5	13.0	
17			-163.5	-158.5	-157.2	-157.6	-160.0						
18			-17.5	-19.4	-20.0	-22.0	-21.3						
19			D	D	D	D	D						
20			0	0	0	0	0						
21	02	84.0	7.0	5.2	4.1	7.1	8.4						
21	06	84.0	7.0	5.2	4.1	7.1	8.4						
21	10	84.0	7.0	5.2	4.1	7.1	8.4						
21	14	84.0	7.0	5.2	4.1	7.1	8.4						

1	2	3	4	5	6	7	8	9	10	11	12
CKH05300	NZL	158.0	-163.0	-11.2	1.76	0.72	30	A883	A884	2	8/GR4
			-161.0	-19.8	1.00	0.60	132	A887	A882	1	

13			1		2		3		4		5		
14			-158.0		-163.1		-165.0		-166.0		-165.0		
15			-9.0		-13.5		-12.5		-11.0		-10.5		
16	04	64.4	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.6	7.5	
16	08	64.3	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.5	7.4	
16	12	64.4	3.6	4.1	4.1	4.6	8.0	7.8	7.6	7.5	7.5	7.4	
17			-161.8	-159.7	-157.9	-156.9	-160.1	-162.3	-163.9	-164.5			
18			-17.6	-18.6	-19.9	-22.1	-22.0	-21.0	-19.7	-17.6			
19			D	D	D	D	D	D	D	D			
20			0	0	0	0	0	0	0	0			
21	04	84.0	5.2	4.1	4.9	6.2	5.2	4.2	5.0	6.4			
21	08	84.0	5.2	4.1	4.9	6.2	5.2	4.2	5.0	6.4			
21	12	84.0	5.2	4.1	4.9	6.2	5.2	4.2	5.0	6.4			

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.124

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
CKH05301	NZL	158.0	-163.0	-11.2	1.76	0.72	30	A883	A884	2	
			-161.0	-19.8	1.02	0.64	132	A887	A882	1	

13			1		2		3		4		5		
14			-158.0		-163.1		-165.0		-166.0		-165.0		
15			-9.0		-13.5		-12.5		-11.0		-10.5		
16	16	64.5	3.7	4.2	4.3	4.8	8.3	8.1	8.0	7.8	7.9	7.8	
17			-163.5	-158.5	-157.2	-157.6	-160.0						
18			-17.5	-19.4	-20.0	-22.0	-21.3						
19			D	D	D	D	D						
20			0	0	0	0	0						
21	16	84.0	7.0	5.3	4.1	7.2	8.4						

1	2	3	4	5	6	7	8	9	10	11	12
NIU05400	NZL	158.0	-169.8	-19.0	0.60	0.60	0	A883	A884	2	8/GR2
			-169.8	-19.0	0.60	0.60	0	A887	A882	1	

13			1										
14			-169.9										
15			-19.0										
16	19	64.1	27.4	26.7									
16	23	64.1	27.3	26.6									
17			-169.9										
18			-19.0										
19			N										
20			0										
21	19	84.0	21.5										
21	23	84.0	21.5										

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.125

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NZL05500	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR1
			172.3	-39.7	2.88	1.56	47	A887	A882	2	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	01	63.3	16.7	15.5	16.5	15.4	16.1	15.2	17.1	15.8
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	01	84.0	10.0	10.6	9.6	10.2				

1	2	3	4	5	6	7	8	9	10	11	12
NZL05501	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR1
			172.3	-39.7	2.88	1.56	47	A887	A882	2	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	05	63.4	15.4	13.3	15.3	13.2	15.2	13.2	16.1	13.6
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	13	84.0	6.6	7.3	6.2	6.8				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.126

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
NZL05502	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR3
			172.3	-39.7	2.88	1.56	47	A887	A882	2	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	09	63.4	15.5	13.3	15.4	13.2	15.2	13.1	16.1	13.6
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	09	84.0	6.6	7.2	6.1	6.7				

1	2	3	4	5	6	7	8	9	10	11	12
NZL05503	NZL	158.0	172.3	-39.7	2.88	1.56	47	A883	A884	1	8/GR2
			172.3	-39.7	2.88	1.56	47	A887	A882	2	

13			1		2		3		4	
14			166.3		171.8		179.0		174.0	
15			-45.5		-34.1		-37.6		-46.0	
16	13	63.5	0.0	0.9	0.1	1.0	-0.6	0.3	-0.6	0.3
17			166.3	171.8	179.0	174.0				
18			-45.5	-34.1	-37.6	-46.0				
19			K	K	K	K				
20			0	0	0	0				
21	05	84.0	6.6	7.2	6.2	6.8				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.127

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TKL05800	NZL	158.0	-171.8	-8.9	0.70	0.60	35	A883	A884	1	8/GR2
			-171.8	-8.9	0.70	0.60	35	A887	A882	2	

13			1		2		3			
14			-172.4		-171.2		-172.1			
15			-8.6		-9.5		-9.2			
16	20	63.8	26.7	25.8	25.6	25.1	26.8	25.9		
16	24	63.9	26.9	26.0	25.8	25.2	27.1	26.1		
17			-172.4	-171.2	-172.1					
18			-8.6	-9.5	-9.2					
19			N	N	N					
20			0	0	0					
21	20	84.0	21.2	20.4	22.4					
21	24	84.0	21.2	20.4	22.4					

1	2	3	4	5	6	7	8	9	10	11	12
SMO05700	SMO	158.0	-172.3	-13.7	0.60	0.60	0	A883	A884	1	
			-172.3	-13.7	0.60	0.60	0	A887	A882	2	

13			1		2		3		4	
14			-172.5		-171.3		-172.0		-171.0	
15			-13.6		-14.0		-13.8		-14.1	
16	03	63.7	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4
16	07	63.7	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4
16	11	63.8	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4
16	15	63.8	9.7	8.4	7.7	7.1	9.5	8.3	6.7	6.4
17			-172.5	-171.3	-172.0	-171.0				
18			-13.6	-14.0	-13.8	-14.1				
19			N	N	N	N				
20			0	0	0	0				
21	03	84.0	5.4	3.2	5.4	2.2				
21	07	84.0	5.4	3.2	5.4	2.2				
21	11	84.0	5.4	3.2	5.4	2.2				
21	15	84.0	5.4	3.3	5.4	2.2				

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.128

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
PLM33700	USA	170.0	-161.4	7.0	0.60	0.60	0	A883	A884	1	
			-166.3	-0.2	7.97	1.04	72	A887	A882	2	

13			1		2					
14			-162.0		-162.4					
15			5.8		6.1					
16	01	62.4	6.4	7.4	6.3	7.3				
16	05	62.4	5.5	6.5	5.5	6.5				
16	09	62.5	5.5	6.5	5.5	6.5				
16	13	62.6	5.5	6.5	5.5	6.5				
17			-170.7	-171.0	-169.6	-162.4	-162.0	-158.0		
18			-14.3	-11.0	-14.2	6.1	5.8	17.5		
19			N	N	N	N	N	N		
20			0	0	0	0	0	0		
21	01	87.0	25.9	25.8	25.6	26.3	25.7	25.1		
21	05	87.0	25.9	25.7	25.6	26.2	25.7	25.0		
21	09	87.0	25.9	25.8	25.6	26.3	25.7	25.0		
21	13	87.0	27.5	27.4	27.2	27.9	27.4	26.7		

1	2	3	4	5	6	7	8	9	10	11	12
PLM33701	USA	170.0	-161.4	7.0	0.60	0.60	0	A883	A884	1	
			-124.8	39.2	4.43	0.73	132	A887	A882	2	

13			1		2					
14			-162.0		-162.4					
15			5.8		6.1					
16	17	62.6	5.6	6.6	5.6	6.6				
17			-125.0	-123.0	-123.8	-117.1	-122.0	-120.0	-118.0	
18			48.2	49.0	39.0	32.5	52.0	40.0	33.0	
19			D	D	D	E	D	D	E	
20			0	0	0	0	0	0	0	
21	17	87.0	47.1	47.0	48.6	47.3	45.8	47.1	47.5	

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.129

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
SMA33500	USA	170.0	-170.1	-14.2	0.60	0.60	0	A883	A884	2	
			-166.3	-0.2	7.97	1.04	72	A887	A882	1	

			1		2		3		4	
			-170.7		-169.6		-169.5		-171.0	
			-14.3		-14.1		-14.2		-11.0	
01	61.2	12.6	13.3	13.5	14.1	13.3	14.0	0.4	1.4	
05	61.3	8.2	9.1	9.0	9.9	8.8	9.7	-3.4	-2.4	
09	61.3	8.2	9.1	9.0	9.9	8.8	9.7	-3.5	-2.5	
13	61.3	8.2	9.1	9.0	9.9	8.7	9.6	-3.5	-2.5	

		-170.7	-171.0	-169.6	-162.4	-162.0	-158.0
		-14.3	-11.0	-14.2	6.1	5.8	17.5
		N	N	N	N	N	N
		0	0	0	0	0	0
03	87.0	16.0	15.9	15.7	16.4	15.8	15.1
07	87.0	16.0	15.9	15.7	16.4	15.8	15.1
11	87.0	16.0	15.9	15.7	16.4	15.8	15.1
15	87.0	16.0	15.9	15.7	16.4	15.8	15.1

1	2	3	4	5	6	7	8	9	10	11	12
SMA33501	USA	170.0	-170.1	-14.2	0.60	0.60	0	A883	A884	2	
			-124.8	39.2	4.43	0.73	132	A887	A882	1	

			1		2		3		4	
			-170.7		-169.6		-169.5		-171.0	
			-14.3		-14.1		-14.2		-11.0	
17	61.4	8.8	9.8	9.5	10.5	9.2	10.2	-3.1	-2.1	

		-125.0	-123.0	-123.8	-117.1	-122.0	-120.0	-118.0
		48.2	49.0	39.0	32.5	52.0	40.0	33.0
		D	D	D	E	D	D	E
		0	0	0	0	0	0	0
19	87.0	47.4	47.3	48.9	47.7	46.2	47.5	47.8

PLAN 3 ANALYSIS OF THE PLAN ORB(2) PAG.130

MARGE DE PROTECTION GLOBALE EQUIVALENTE/ OVERALL EQUIVALENT PROTECTION MARGINS/ MARGEN DE PROTECCION GLOBAL EQUIVALENTE

1	2	3	4	5	6	7	8	9	10	11	12
TON21500	TON	170.0	-174.7	-18.0	1.41	0.68	85	A883	A884	1	
			-174.7	-18.0	1.41	0.68	85	A887	A882	1	

			1		2		3		4		5	
			-175.6		-173.7		-174.0		-174.7		-175.2	
			-15.6		-15.9		-18.6		-19.9		-21.1	
04	63.4	7.5	8.5	4.5	5.5	10.1	11.1	12.7	13.7	12.4	13.4	
08	63.3	7.5	8.5	4.6	5.6	10.1	11.1	12.7	13.7	12.4	13.4	
12	63.4	7.6	8.6	4.6	5.6	10.2	11.2	13.1	14.1	13.0	14.0	
16	63.5	7.7	8.7	4.6	5.6	10.3	11.3	13.2	14.2	13.2	14.2	

		-175.6	-173.7	-174.0	-174.7	-175.2
		-15.6	-15.9	-18.6	-19.9	-21.1
		N	N	N	N	N
		0	0	0	0	0
21	84.0	42.0	41.7	43.2	43.5	41.6
25	84.0	42.7	42.4	43.9	44.3	42.3
29	84.0	54.0	53.8	55.3	55.6	53.7
33	84.0	54.1	53.8	55.3	55.7	53.7

ANNEX 2

TEXT FOR SYMBOLS IN REMARKS
COLUMN OF THE PLAN

1. Fast roll-off space station receiving antenna as defined in Annex 3 (Section ...) of this Appendix.

2. For this assignment the diameter of the earth station antenna is 7 m and the system noise temperature is 3000 K.

3. India may also locate feeder-link earth stations near the point 29°N, 77.3°E on the condition of not affecting the EPMs of other administrations.

[4. and 5. not used]

6. During the Conference Bhutan became the 165th Member of the Union and the Conference decided to provide four assignments for a feeder-link to a BSS space station which had no assignments yet in Appendix 30.

7. [This assignment uses feeder-link frequencies which are not a linear translation of the down-link Plan, resulting in the potential radiation of a coherent unwanted frequency corresponding to the second harmonic of the shift frequency and falling in the frequency band allocated to down-links (11.7 - 12.5 GHz).

Every possible and sufficient technical means shall be adopted, on board of the spacecraft, to eliminate such unwanted frequency radiation.]

8. This assignment, if not part of a group, the number of which follows thee symbol. The group consists of the beams and has the number of channels assigned to it as indicated in Table 1.

a) The overall equivalent protection margin to be used for the application of Article 4 shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

TABLE 1

Group	Beams in the group	Number of channels assigned to the group
GR1	NZL05500, NZL05501,	4 channels
GR2	NZL05503, NIU054, TKL058	4 channels
GR3	NZL05502, CKH052	5 channels
GR4	CKH052, CKH053	7 channels
GR5	REU09700, REU09701	5 channels
GR6	NCL10000, NCL10001	4 channels
GR7	MYT09800, MYT09801	5 channels
GR8	WAL10200, WAL10201	4 channels

9. D and SUI have agreed that their feeder-link channels can be interchanged for a limited period of time ending in the year 2001 as follows:

2 with 22, 6 with 26, 10 with 30, 14 with 34, 18 with 38.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 342-E
26 September 1988
Original: English

WORKING GROUP 5-A

Report from Sub-Working Group 5-A-1
to Working Group 5-A

BSS FEEDER-LINK PLANNING

DRAFT PLAN

1. For all channels, except the first two in the 14 GHz and 17 GHz Plans, the assigned frequencies indicated are wrong and shall be replaced by those listed in Tables 2A and 2B (see pages 4 and 8, respectively).

2. On page 12 for Channel No. 06 on 17 423.38 GHz, insert after beam NCL10000 the following additional line:

"NCL10001 140.0 10 -177.1 -13.6 1.22 0.60 46 2 84.0 9.6 8/GR6"

3. On pages 11, 12, 14 and 16 in Column 10 replace "8/GR7" by "8/GR6".

4. On pages 21, 22, 24, 25 and 26 in Column 10 replace "8/GR6" by "8/GR7".

L. TOMATI
Chairman of Sub-Working Group 5-A-1

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

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WORKING GROUP 5-A

REPORT FROM SUB-WORKING GROUP 5-A-1 TO
WORKING GROUP 5-A

BSS FEEDER-LINK PLANNING

Draft Plan

The draft Plan for the feeder links in the fixed satellite service in the frequency bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3 as reproduced in the Annex is submitted for consideration by the Working Group.

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Chairman of Sub-Working Group 5-A-1

Annex 1

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ANNEX

ARTICLE [9A]

Plan for the Feeder Links in the Fixed-Satellite Service in the Frequency Bands 14.5 - 14.8 and 17.3 - 18.1 GHz in Regions 1 and 3

[9.1] COLUMN HEADINGS OF THE PLAN

Col. 1 Beam identification (Column 1 contains the symbol designating the country or the geographical area taken from Table B1 of the Preface to the International Frequency List followed by the symbol designating the service area).

Col. 2 Nominal orbital position, in degrees and tenths of degree.

Col. 3 Channel number (see Tables 2A and 2B showing channel numbers and corresponding assigned frequencies).

Col. 4 Boresight geographical coordinates, in degrees and tenths of a degree.

Col. 5 Antenna beamwidth. This column contains two figures corresponding to the major axis and the minor axis respectively of the elliptical cross-section half-power beam, in degrees and tenths of a degree.

Col. 6 Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree.

Col. 7 Polarization (1 = direct, 2 = indirect).

Col. 8 Nominal earth station e.i.r.p. in dBW.

Col. 9 Permitted increase in earth station e.i.r.p. in dB for purpose of power control (see [ ]).

Col. 10 Remarks.

[9.2] TEXT FOR SYMBOLS IN REMARKS COLUMN OF THE PLAN

1. Fast roll-off space station receiving antenna as defined in Annex 3 (Section ...) of this Appendix.

2. For this assignment the diameter of the earth station antenna is 7 m and the system noise temperature is 3000 K.

3. India may also locate feeder-link earth stations near the point 29°N, 77.3°E on the condition of not affecting the EPMs of other administrations.

[4, 5 not used]

6. During the Conference Bhutan became the 165th Member of the Union and the Conference decided to provide four assignments for a feeder-link to a BSS space station which had no assignments yet in Appendix 30.

7. [This assignment uses feeder-link frequencies which are not a linear translation of the down-link Plan, resulting in the potential radiation of a coherent unwanted frequency corresponding to the second harmonic of the shift frequency and falling in the frequency band allocated to down-links (11.7 - 12.5 GHz).

Every possible and sufficient technical means shall be adopted, on board of the spacecraft, to eliminate such unwanted frequency radiation.]

8. This assignment, if part of a group, the number of which follows the symbol. The group consists of the beams and has the number of channels assigned to it as indicated in Table 1.

a) The overall equivalent protection margin to be used for the application of Article 4 shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

TABLE 1

Group	Beams in the group	Number of channels assigned to the group
GR1	NZL05500, NZL05501,	4 channels
GR2	NZL05503, NIU054, TKL058	4 channels
GR3	NZL05502, CKH052	5 channels
GR4	CKH052, CKH053	7 channels
GR5	REU09700, REU09701	5 channels
GR6	NCL10000, NCL10001	4 channels
GR7	MYT09800, MYT09801	5 channels
GR8	WAL10200, WAL10201	4 channels

9. D and SUI have agreed that their feeder-link channels can be interchanged for a limited period of time ending in the year 2001 as follows:

2 with 22, 6 with 26, 10 with 30, 14 with 34, 18 with 38.

TABLE 2A

Table showing correspondence between channel numbers and assigned frequencies for the feeder links in the frequency band 14.5 - 14.8 GHz

Channel No.	Feeder assignm. (MHz)
1	14 525.30
2	14 544.48
3	14 563.66
4	14 582.84
5	14 602.02
6	14 621.20
7	14 640.38
8	14 659.56
9	14 678.74
10	14 697.92
11	14 717.10
12	14 736.28
13	14 755.46
14	14 774.64

1	2	3	4		5		6	7	8	9	10
											14525.30 MHZ (01)
MRC20900	-25.0	01	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	01	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
ISR11000	-13.0	01	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
IFB02100	5.0	01	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
YMS26700	11.0	01	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
IND04300	56.0	01	77.8	11.1	1.36	1.28	172	2	82.0	10.0	3.
IND04400	68.0	01	79.5	22.3	2.19	1.42	146	2	82.0	6.1	3.
SNG15100	74.0	01	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
											14544.48 MHZ (02)
CPV30100	-31.0	02	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
TGO22600	-25.0	02	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
NIG11900	-19.0	02	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
STP24100	-13.0	02	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
MOZ30700	-1.0	02	34.0	-18.0	3.57	1.38	55	1	82.0	3.7	
UGA05100	11.0	02	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
ETH09200	23.0	02	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
PAK12700	38.0	02	69.6	29.5	2.30	2.16	14	2	82.0	3.9	
IND04500	56.0	02	76.2	19.5	1.58	1.58	21	1	82.0	10.0	3.
IND04800	68.0	02	86.2	25.0	1.56	0.90	120	1	82.0	6.3	3.
PNG13100	110.0	02	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
											14582.84 MHZ (03)
ZMB31400	-1.0	03	27.5	-13.1	2.38	1.48	39	2	82.0	2.9	
IFB02100	5.0	03	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
YMS26700	11.0	03	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
IRN10900	34.0	03	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
IND03800	56.0	03	75.9	33.4	1.52	1.08	33	2	82.0	10.0	3.
IND04700	68.0	03	93.3	11.1	1.92	0.60	96	2	82.0	10.0	3.
SNG15100	74.0	03	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
											14640.38 MHZ (04)
CPV30100	-31.0	04	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
TGO22600	-25.0	04	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
NIG11900	-19.0	04	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
STP24100	-13.0	04	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
MOZ30700	-1.0	04	34.0	-18.0	3.57	1.38	55	1	82.0	3.7	
UGA05100	11.0	04	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
PAK28300	38.0	04	74.7	33.9	1.34	1.13	160	2	82.0	2.8	
IND04000	56.0	04	73.0	25.0	1.82	1.48	58	1	82.0	10.0	3.
IND04200	68.0	04	79.3	27.7	2.14	1.16	147	1	82.0	3.2	3.
PNG27100	128.0	04	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
											14717.10 MHZ (05)
MRC20900	-25.0	05	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	05	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
ISR11000	-13.0	05	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
ZMB31400	-1.0	05	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	
IFB02100	5.0	05	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
YMS26700	11.0	05	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
IND03900	56.0	05	72.7	11.2	1.26	0.60	107	2	82.0	10.0	3.
IND04600	68.0	05	84.7	20.5	1.60	0.86	30	2	82.0	10.0	3.

1	2	3	4		5		6	7	8	9	10
											14813.00 MHZ (06)
CPV30100	-31.0	06	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
TGO22600	-25.0	06	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
NIG11900	-19.0	06	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
STP24100	-13.0	06	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
MOZ30700	-1.0	06	34.0	-18.0	3.57	1.38	55	1	82.0	3.7	
UGA05100	11.0	06	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
ETH09200	23.0	06	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
PAK12700	38.0	06	69.6	29.5	2.30	2.16	14	2	82.0	3.9	
IND04100	56.0	06	78.4	16.0	2.08	1.38	35	1	82.0	10.0	3.
IND03700	68.0	06	93.0	25.5	1.46	1.13	40	1	82.0	6.4	3.
PNG13100	110.0	06	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
											14928.07 MHZ (07)
SEN22200	-37.0	07	-14.4	13.8	1.46	1.04	139	1	82.0	5.4	
MRC20900	-25.0	07	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
ZMB31400	-1.0	07	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	
IFB02100	5.0	07	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
YMS26700	11.0	07	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
IRN10900	34.0	07	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
IND04300	56.0	07	77.8	11.1	1.36	1.28	172	2	82.0	10.0	3.
IND04600	68.0	07	84.7	20.5	1.60	0.86	30	2	82.0	10.0	3.
SNG15100	74.0	07	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
											15062.33 MHZ (08)
CPV30100	-31.0	08	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
NIG11900	-19.0	08	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
STP24100	-13.0	08	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
MOZ30700	-1.0	08	34.0	-18.0	3.57	1.38	55	1	82.0	3.2	
UGA05100	11.0	08	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
ETH09200	23.0	08	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
PAK28300	38.0	08	74.7	33.9	1.34	1.13	160	2	82.0	2.8	
IND04100	56.0	08	78.4	16.0	2.08	1.38	35	1	82.0	10.0	3.
IND04800	68.0	08	86.2	25.0	1.56	0.90	120	1	82.0	6.3	3.
PNG27100	128.0	08	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
											15215.77 MHZ (09)
MRC20900	-25.0	09	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	09	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
ISR11000	-13.0	09	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
ZMB31400	-1.0	09	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	
YMS26700	11.0	09	48.8	15.2	1.76	1.54	176	1	82.0	2.9	
IND03800	56.0	09	75.9	33.4	1.52	1.08	33	2	82.0	10.0	3.
IND04400	68.0	09	79.5	22.3	2.19	1.42	146	2	82.0	10.0	3.

1	2	3	4		5		6	7	8	9	10
											15388.39 MHZ (10)
TGO22600	-25.0	10	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
NIG11900	-19.0	10	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
UGA05100	11.0	10	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
ETH09200	23.0	10	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04500	56.0	10	76.2	19.5	1.58	1.58	21	1	82.0	10.0	3.
IND04200	68.0	10	79.3	27.7	2.14	1.16	147	1	82.0	3.2	3.
PNG13100	110.0	10	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
											15580.18 MHZ (11)
SEN22200	-37.0	11	-14.4	13.8	1.46	1.04	139	1	82.0	5.4	
MRC20900	-25.0	11	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
ISR11000	-13.0	11	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
ZMB31400	-1.0	11	27.5	-13.1	2.38	1.48	39	2	82.0	2.9	
IFB02100	5.0	11	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IRN10900	34.0	11	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
IND04700	68.0	11	93.3	11.1	1.92	0.60	96	2	82.0	10.0	3.
SNG15100	74.0	11	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
											15791.16 MHZ (12)
CPV30100	-31.0	12	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
STP24100	-13.0	12	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
MOZ30700	-1.0	12	34.0	-18.0	3.57	1.38	55	1	82.0	3.3	
ETH09200	23.0	12	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
PAK21000	38.0	12	72.1	30.8	1.16	0.72	90	2	82.0	3.8	
IND04000	56.0	12	73.0	25.0	1.82	1.48	58	1	82.0	10.0	3.
PNG27100	128.0	12	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
											16021.32 MHZ (13)
NMB02500	-19.0	13	17.5	-21.6	2.66	1.90	48	1	82.0	2.7	
IND03900	56.0	13	72.7	11.2	1.26	0.60	107	2	82.0	10.0	3.
											16270.66 MHZ (14)
TGO22600	-25.0	14	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
IND03700	68.0	14	93.0	25.5	1.46	1.13	40	1	82.0	10.0	3.
PNG13100	110.0	14	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	

TABLE 2B

Table showing correspondence between channel numbers and assigned frequencies in the BSS R1, 3 Plan in the frequency band 17.3 GHz to 18.1 GHz

Channel No.	Feeder assignm. (MHz)	Channel No.	Feeder assignm. (MHz)
1	17 327.48	21	17 711.08
2	17 346.66	22	17 730.26
3	17 365.84	23	17 749.44
4	17 385.02	24	17 768.62
5	17 404.20	25	17 787.80
6	17 423.38	26	17 806.98
7	17 442.56	27	17 826.16
8	17 461.74	28	17 845.34
9	17 480.92	29	17 864.52
10	17 500.10	30	17 883.70
11	17 519.28	31	17 902.88
12	17 538.46	32	17 922.06
13	17 557.64	33	17 941.24
14	17 576.82	34	17 960.42
15	17 596.00	35	17 979.60
16	17 615.18	36	17 998.78
17	17 634.36	37	18 017.96
18	17 653.54	38	18 037.14
19	17 672.72	39	18 056.32
20	17 691.90	40	18 075.50

1	2	3	4		5		6	7	8	9	10
											17327.48 MHZ (01)
GUI19200	-37.0	01	-11.0	10.2	1.58	1.04	147	1	85.0	7.6	
SMR31100	-37.0	01	12.5	43.9	0.60	0.60	0	2	83.0	10.0	
E 12900	-31.0	01	-3.1	39.9	2.10	1.14	154	1	84.0	5.9	
LBY28000	-25.0	01	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
F 09300	-19.0	01	2.6	45.9	2.50	0.98	160	2	84.0	0.9	
CME30000	-13.0	01	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
YUG14800	-7.0	01	18.6	43.8	2.21	0.92	156	2	84.0	10.0	
POL13200	-1.0	01	17.2	51.8	2.00	2.00	0	1	86.0	0.5	
SWZ31300	-1.0	01	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
TUR14500	5.0	01	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	01	34.6	-6.2	2.41	1.72	129	2	84.0	6.5	
QAT24700	17.0	01	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
URS06400	23.0	01	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
MDG23600	29.0	01	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
URS06702	44.0	01	73.8	41.4	2.00	2.00	0	1	89.0	3.6	2.
AFG24600	50.0	01	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
IND03900	56.0	01	72.7	11.2	1.26	0.60	107	2	84.0	10.0	3.
CHN15500	62.0	01	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
THA14200	74.0	01	100.7	13.2	2.82	1.54	106	2	84.0	9.0	
CHN16300	80.0	01	116.0	39.2	1.20	0.80	132	2	84.0	10.0	
CHN16200	92.0	01	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
AUS00500	98.0	01	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03500	104.0	01	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	01	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
CAR33800	122.0	01	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
WAK33400	140.0	01	152.5	11.7	7.89	3.52	0	1	87.0	3.2	
FJI19300	152.0	01	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
NZL05500	158.0	01	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	8/GR1
PLM33700	170.0	01	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	
											17346.66 MHZ (02)
MLI32700	-37.0	02	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
GNB30400	-31.0	02	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IRL21100	-31.0	02	-8.2	53.2	0.84	0.60	162	2	84.0	3.5	
ALG25100	-25.0	02	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
D 08700	-19.0	02	9.6	49.9	1.62	0.72	147	1	84.0	0.1	9.
ZAI32300	-19.0	02	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
TCD14300	-13.0	02	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
BOT29700	-1.0	02	23.3	-22.2	2.13	1.50	36	1	84.0	2.7	
ROU13600	-1.0	02	25.0	45.7	1.38	0.66	155	2	84.0	2.4	
FNL10300	5.0	02	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
YEM26600	11.0	02	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ARS27500	17.0	02	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
SOM31200	23.0	02	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
MAU24200	29.0	02	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
PAK12700	38.0	02	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
CLN21900	50.0	02	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
CHN15400	62.0	02	101.9	33.5	5.10	2.80	143	2	84.0	4.3	
IND03700	68.0	02	93.0	25.5	1.46	1.13	40	1	84.0	9.0	3.
LAO28400	74.0	02	103.7	18.1	2.16	0.78	133	1	84.0	9.6	
INS02800	80.0	02	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
MLA22800	86.0	02	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
CHN16100	92.0	02	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
KOR11200	110.0	02	127.5	36.0	1.24	1.02	168	2	89.0	2.5	
AUS00800	128.0	02	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
NCL10000	140.0	02	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR7
NCL10001	140.0	02	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR7
WAL10200	140.0	02	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	02	166.1	-21.3	1.31	0.82	133	2	84.0	9.6	8/GR8

1	2	3	4		5		6	7	8	9	10
											17346.66 MHZ (02)
MRL33300	146.0	02	153.1	11.5	7.87	3.64	1	2	87.0	3.1	
CKH05200	158.0	02	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
											17385.02 MHZ (03)
GMB30200	-37.0	03	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
LIE25300	-37.0	03	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LBR24400	-31.0	03	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
POR13300	-31.0	03	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
LBY32100	-25.0	03	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
BEN23300	-19.0	03	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
LUX11400	-19.0	03	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
GAB26000	-13.0	03	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
YUG14900	-7.0	03	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
TCH14400	-1.0	03	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
GRC10500	5.0	03	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
LBN27900	11.0	03	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
URS06100	23.0	03	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
COM20700	29.0	03	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
IRN10900	34.0	03	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
URS07300	44.0	03	58.0	59.0	2.00	2.00	0	2	89.0	3.7	2.
AFG24500	50.0	03	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
IND04300	56.0	03	77.8	11.1	1.36	1.28	172	2	84.0	10.0	3.
CHN15700	62.0	03	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
BRU33000	74.0	03	114.7	4.4	0.60	0.60	0	2	84.0	10.0	
VTN32500	86.0	03	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
CHN16000	92.0	03	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
AUS00400	98.0	03	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03600	104.0	03	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	03	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
MRA33200	122.0	03	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
NRU30900	134.0	03	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
VUT12800	140.0	03	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
SMO05700	158.0	03	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
SMA33500	170.0	03	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	
											17442.56 MHZ (04)
OCE10100	-160.0	04	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
AND34100	-37.0	04	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
MLI32800	-37.0	04	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
G 02700	-31.0	04	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
ALG25200	-25.0	04	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AUT01600	-19.0	04	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
ZAI32200	-19.0	04	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
MLT14700	-13.0	04	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
EGY02600	-7.0	04	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
BUL02000	-1.0	04	25.0	43.0	2.00	2.00	0	2	87.0	2.2	
S 13800	5.0	04	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
RRW31000	11.0	04	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
ARS00300	17.0	04	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
URS06000	23.0	04	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
MAU24300	29.0	04	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
PAK28300	38.0	04	74.7	33.9	1.34	1.13	160	2	84.0	3.7	
CHN15600	62.0	04	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
IND04800	68.0	04	86.2	25.0	1.56	0.90	120	1	86.0	8.8	3.
LAO28400	74.0	04	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
INS02800	80.0	04	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
MLA22800	86.0	04	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
CHN16100	92.0	04	108.1	33.7	5.00	4.00	148	2	84.0	8.2	

1	2	3	4		5		6	7	8	9	10
											17442.56 MHZ (04)
KOR11200	110.0	04	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
AUS00700	128.0	04	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
NCL10001	140.0	04	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR7
CKH05300	158.0	04	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
											17519.28 MHZ (05)
GUI19200	-37.0	05	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
SMR31100	-37.0	05	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
E 12900	-31.0	05	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
LBY28000	-25.0	05	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
F 09300	-19.0	05	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
CME30000	-13.0	05	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
YUG14800	-7.0	05	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
POL13200	-1.0	05	17.2	51.8	2.00	2.00	0	1	86.0	0.3	
SWZ31300	-1.0	05	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
TUR14500	5.0	05	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	05	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
QAT24700	17.0	05	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
URS06400	23.0	05	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
MDG23600	29.0	05	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
URS06700	44.0	05	37.7	55.8	2.00	2.00	0	2	89.0	2.0	2.
AFG24600	50.0	05	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
CHN15500	62.0	05	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
IND04400	68.0	05	79.5	22.3	2.19	1.42	146	2	84.0	8.6	3.
THA14200	74.0	05	100.7	13.2	2.82	1.54	106	2	84.0	8.9	
CHN16400	80.0	05	112.2	37.4	1.06	0.76	111	2	84.0	10.0	
BTN03100	86.0	05	90.5	27.3	1.13	0.82	0	2	84.0	9.0	6.
CHN16200	92.0	05	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
AUS00500	98.0	05	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03500	104.0	05	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	05	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
CAR33800	122.0	05	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
WAK33400	140.0	05	152.5	11.7	7.89	3.52	0	1	87.0	3.2	
FJI19300	152.0	05	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
NZL05503	158.0	05	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	8/GR2
PLM33700	170.0	05	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	
											17615.18 MHZ (06)
MLI32700	-37.0	06	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
GNB30400	-31.0	06	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IRL21100	-31.0	06	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
ALG25100	-25.0	06	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
D 08700	-19.0	06	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
ZAI32300	-19.0	06	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
TCD14300	-13.0	06	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
BOT29700	-1.0	06	23.3	-22.2	2.13	1.50	36	1	84.0	2.7	
ROU13600	-1.0	06	25.0	45.7	1.38	0.66	155	2	84.0	2.4	
FNL10300	5.0	06	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
YEM26600	11.0	06	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ARS27500	17.0	06	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
SOM31200	23.0	06	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
MAU24200	29.0	06	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
PAK12700	38.0	06	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
CLN21900	50.0	06	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
IND04500	56.0	06	76.2	19.5	1.58	1.58	21	1	84.0	8.0	3.
CHN15400	62.0	06	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
LAO28400	74.0	06	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
INS02800	80.0	06	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17615.18 MHZ (06)
MLA22800	86.0	06	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
CHN16100	92.0	06	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
KOR11200	110.0	06	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
AUS00800	128.0	06	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
NCL10000	140.0	06	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR7
WAL10200	140.0	06	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	06	166.1	-21.3	1.31	0.82	133	2	84.0	9.6	8/GR8
MRL33300	146.0	06	153.1	11.5	7.87	3.64	1	2	87.0	3.1	
CKH05200	158.0	06	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
											17730.25 MHZ (07)
GMB30200	-37.0	07	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
LIE25300	-37.0	07	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LBR24400	-31.0	07	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
POR13300	-31.0	07	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
LBY32100	-25.0	07	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
BEN23300	-19.0	07	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
LUX11400	-19.0	07	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
GAB26000	-13.0	07	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
YUG14900	-7.0	07	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
TCH14400	-1.0	07	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
GRC10500	5.0	07	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
LBN27900	11.0	07	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
URS06100	23.0	07	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
COM20700	29.0	07	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
IRN10900	34.0	07	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
URS07200	44.0	07	58.0	59.0	2.00	2.00	0	2	89.0	3.7	2.
AFG24500	50.0	07	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
CHN15700	62.0	07	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
IND04700	68.0	07	93.3	11.1	1.92	0.60	96	2	84.0	10.0	3.
BRU33000	74.0	07	114.7	4.4	0.60	0.60	0	2	84.0	10.0	
VTN32500	86.0	07	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
CHN16000	92.0	07	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
AUS00400	98.0	07	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03600	104.0	07	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	07	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
MRA33200	122.0	07	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
NRU30900	134.0	07	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
VUT12800	140.0	07	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
SMO05700	158.0	07	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
SMA33500	170.0	07	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	
											17864.51 MHZ (08)
OCE10100	-160.0	08	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
AND34100	-37.0	08	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
MLI32800	-37.0	08	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
G 02700	-31.0	08	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
ALG25200	-25.0	08	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AUT01600	-19.0	08	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
ZAI32200	-19.0	08	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
MLT14700	-13.0	08	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
EGY02600	-7.0	08	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
BUL02000	-1.0	08	25.0	43.0	2.00	2.00	0	2	87.0	2.2	
S 13800	5.0	08	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
RRW31000	11.0	08	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
ARS00300	17.0	08	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
URS06000	23.0	08	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
MAU24300	29.0	08	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17864.51 MHZ (08)
PAK28300	38.0	08	74.7	33.9	1.34	1.13	160	2	84.0	3.7	
IND04000	56.0	08	73.0	25.0	1.82	1.48	58	1	84.0	4.7	3.
CHN15600	62.0	08	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
LAO28400	74.0	08	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
INS02800	80.0	08	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
MLA22800	86.0	08	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
CHN17300	92.0	08	115.7	27.4	1.14	0.94	99	2	84.0	9.3	
KOR11200	110.0	08	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
AUS00700	128.0	08	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
CKH05300	158.0	08	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
											18017.95 MHZ (09)
GUI19200	-37.0	09	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
SMR31100	-37.0	09	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
E 12900	-31.0	09	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
LBY28000	-25.0	09	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
F 09300	-19.0	09	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
CME30000	-13.0	09	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
YUG14800	-7.0	09	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
POL13200	-1.0	09	17.2	51.8	2.00	2.00	0	1	86.0	0.3	
SWZ31300	-1.0	09	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
TUR14500	5.0	09	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	09	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
QAT24700	17.0	09	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
URS06400	23.0	09	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
MDG23600	29.0	09	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
URS06700	44.0	09	37.7	55.8	2.00	2.00	0	2	89.0	2.0	2.
AFG24600	50.0	09	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
IND03900	56.0	09	72.7	11.2	1.26	0.60	107	2	84.0	10.0	3.
CHN15500	62.0	09	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
THA14200	74.0	09	100.7	13.2	2.82	1.54	106	2	84.0	8.9	
CHN16500	80.0	09	111.4	41.8	1.58	1.20	15	2	84.0	3.9	
BTN03100	86.0	09	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CHN16200	92.0	09	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
AUS00500	98.0	09	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03500	104.0	09	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	09	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
CAR33800	122.0	09	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
WAK33400	140.0	09	152.5	11.7	7.89	3.52	0	1	87.0	3.2	
FJI19300	152.0	09	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
NZL05502	158.0	09	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	8/GR3
PLM33700	170.0	09	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	
											18190.57 MHZ (10)
MLI32700	-37.0	10	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
GNB30400	-31.0	10	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IRL21100	-31.0	10	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
ALG25100	-25.0	10	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
D 08700	-19.0	10	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
ZAI32300	-19.0	10	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
TCD14300	-13.0	10	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
BOT29700	-1.0	10	23.3	-22.2	2.13	1.50	36	1	84.0	2.7	
ROU13600	-1.0	10	25.0	45.7	1.38	0.66	155	2	84.0	2.4	
FNL10300	5.0	10	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
YEM26600	11.0	10	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ARS27500	17.0	10	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
SOM31200	23.0	10	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
MAU24200	29.0	10	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											18190.57 MHZ (10)
PAK12700	38.0	10	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
CLN21900	50.0	10	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
CHN15400	62.0	10	101.9	33.5	5.10	2.80	143	2	84.0	4.7	
IND03700	68.0	10	93.0	25.5	1.46	1.13	40	1	84.0	9.7	3.
LAO28400	74.0	10	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
CHN18700	80.0	10	106.6	26.7	1.14	0.94	179	1	84.0	9.3	
CHN17100	92.0	10	117.2	32.0	1.20	0.74	126	2	84.0	10.0	
KOR11200	110.0	10	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
AUS00800	128.0	10	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
NCL10000	140.0	10	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR7
NCL10001	140.0	10	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR7
WAL10200	140.0	10	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	10	166.1	-21.3	1.31	0.82	133	2	84.0	9.6	8/GR8
MRL33300	146.0	10	153.1	11.5	7.87	3.64	1	2	87.0	3.1	
CKH05200	158.0	10	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
											18382.36 MHZ (11)
GMB30200	-37.0	11	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
LIE25300	-37.0	11	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LBR24400	-31.0	11	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
POR13300	-31.0	11	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
LBY32100	-25.0	11	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
BEN23300	-19.0	11	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
LUX11400	-19.0	11	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
GAB26000	-13.0	11	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
YUG14900	-7.0	11	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
TCH14400	-1.0	11	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
GRC10500	5.0	11	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
LBN27900	11.0	11	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
URS06101	23.0	11	29.5	51.4	2.00	2.00	0	1	89.0	3.9	2.
COM20700	29.0	11	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
IRN10900	34.0	11	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
AFG24500	50.0	11	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
IND04300	56.0	11	77.8	11.1	1.36	1.28	172	2	84.0	10.0	3.
CHN15700	62.0	11	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
VTN32500	86.0	11	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
CHN16000	92.0	11	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
AUS00400	98.0	11	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03600	104.0	11	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	11	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
MRA33200	122.0	11	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
NRU30900	134.0	11	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
VUT12800	140.0	11	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
SMO05700	158.0	11	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
SMA33500	170.0	11	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	

1	2	3	4	5	6	7	8	9	10
									18593.34 MHZ (12)
OCE10100	-160.0	12	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
AND34100	-37.0	12	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
MLI32800	-37.0	12	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
G 02700	-31.0	12	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
ALG25200	-25.0	12	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AUT01600	-19.0	12	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
ZAI32200	-19.0	12	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
MLT14700	-13.0	12	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
EGY02600	-7.0	12	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
BUL02000	-1.0	12	25.0	43.0	2.00	2.00	0	2	87.0	2.2	
DNK08900	5.0	12	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
RRW31000	11.0	12	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
ARS00300	17.0	12	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
URS06000	23.0	12	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
MAU24300	29.0	12	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
PAK21000	38.0	12	72.1	30.8	1.16	0.72	90	2	84.0	5.0	
MLD30600	44.0	12	73.1	6.0	0.96	0.60	90	1	84.0	10.0	
URS06900	44.0	12	64.8	38.3	2.00	2.00	0	2	89.0	3.7	2.
CHN15600	62.0	12	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
IND04800	68.0	12	86.2	25.0	1.56	0.90	120	1	86.0	8.8	3.
BGD22000	74.0	12	90.3	23.6	1.46	0.84	135	1	84.0	8.7	
CHN17800	80.0	12	111.5	27.4	1.22	0.86	130	1	84.0	9.6	
CHN17000	92.0	12	119.5	33.0	1.34	0.64	155	2	84.0	10.0	
KOR11200	110.0	12	127.5	36.0	1.24	1.02	168	2	89.0	2.8	
AUS00700	128.0	12	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
CKH05300	158.0	12	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
									18823.50 MHZ (13)
GUI19200	-37.0	13	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
SMR31100	-37.0	13	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
E 12900	-31.0	13	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
LBY28000	-25.0	13	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
F 09300	-19.0	13	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
CME30000	-13.0	13	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
YUG14800	-7.0	13	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
POL13200	-1.0	13	17.2	51.8	2.00	2.00	0	1	86.0	0.3	
SWZ31300	-1.0	13	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
TUR14500	5.0	13	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	13	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
QAT24700	17.0	13	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
URS06400	23.0	13	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
MDG23600	29.0	13	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
URS06701	44.0	13	58.0	59.0	2.00	2.00	0	1	89.0	3.7	2.
AFG24600	50.0	13	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
CHN15501	62.0	13	88.3	31.5	3.38	1.45	162	1	84.0	3.3	
IND04400	68.0	13	79.5	22.3	2.19	1.42	146	2	84.0	8.6	3.
THA14200	74.0	13	100.7	13.2	2.82	1.54	106	2	84.0	10.0	
BTN03100	86.0	13	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CHN18000	92.0	13	113.1	23.1	4.70	3.50	96	1	84.0	10.0	
AUS00500	98.0	13	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03500	104.0	13	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	13	134.5	31.5	3.52	3.30	68	1	87.0	2.9	
CAR33800	122.0	13	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
NZL28700	128.0	13	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
WAK33400	140.0	13	152.5	11.7	7.89	3.52	0	1	87.0	3.2	
NZL05501	158.0	13	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	8/GR1
PLM33700	170.0	13	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	

1	2	3	4		5		6	7	8	9	10
											19072.84 MHZ (14)
MLI32700	-37.0	14	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
GNB30400	-31.0	14	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IRL21100	-31.0	14	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
ALG25100	-25.0	14	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
D 08700	-19.0	14	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
ZAI32300	-19.0	14	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
TCD14300	-13.0	14	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
BOT29700	-1.0	14	23.3	-22.2	2.13	1.50	36	1	84.0	2.7	
ROU13600	-1.0	14	25.0	45.7	1.38	0.66	155	2	84.0	2.3	
NOR12000	5.0	14	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
YEM26600	11.0	14	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ARS27500	17.0	14	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
SOM31200	23.0	14	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
MAU24200	29.0	14	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
PAK21000	38.0	14	72.1	30.8	1.16	0.72	90	2	84.0	5.5	
CLN21900	50.0	14	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
IND04500	56.0	14	76.2	19.5	1.58	1.58	21	1	84.0	8.0	3.
CHN15401	62.0	14	83.9	40.5	2.75	2.05	177	2	84.0	3.4	
BGD22000	74.0	14	90.3	23.6	1.46	0.84	135	1	84.0	8.7	
CHN18100	80.0	14	108.5	23.8	1.41	1.08	153	1	84.0	10.0	
CHN17200	92.0	14	120.4	29.1	0.96	0.84	123	2	84.0	10.0	
KRE28600	110.0	14	127.0	39.1	1.30	1.10	31	2	87.0	3.2	
AUS00800	128.0	14	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
NCL10000	140.0	14	166.0	-21.0	1.14	0.72	146	2	84.0	9.6	8/GR7
NCL10001	140.0	14	-177.1	-13.6	1.22	0.60	46	2	84.0	10.0	8/GR7
WAL10200	140.0	14	-176.8	-14.0	0.74	0.60	29	2	84.0	9.6	8/GR8
WAL10201	140.0	14	166.1	-21.3	1.31	0.82	133	2	84.0	9.1	8/GR8
MRL33300	146.0	14	153.1	11.5	7.87	3.64	1	2	87.0	3.4	
CKH05200	158.0	14	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
											19341.36 MHZ (15)
GMB30200	-37.0	15	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
LIE25300	-37.0	15	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LBR24400	-31.0	15	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
POR13300	-31.0	15	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
LBY32100	-25.0	15	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
BEN23300	-19.0	15	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
LUX11400	-19.0	15	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
GAB26000	-13.0	15	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
YUG14900	-7.0	15	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
TCH14400	-1.0	15	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
GRC10500	5.0	15	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
LBN27900	11.0	15	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
URS06100	23.0	15	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
COM20700	29.0	15	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
IRN10900	34.0	15	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
AFG24500	50.0	15	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
IND04700	68.0	15	93.3	11.1	1.92	0.60	96	2	84.0	10.0	3.
CHN15800	79.8	15	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
VTN32500	86.0	15	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
CHN17400	92.0	15	118.1	25.9	1.02	0.84	82	1	84.0	10.0	
AUS00400	98.0	15	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03600	104.0	15	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	15	134.5	31.5	3.52	3.30	68	1	87.0	2.5	
MRA33200	122.0	15	151.1	11.6	6.48	3.49	179	2	87.0	3.9	
NRU30900	134.0	15	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
VUT12800	140.0	15	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
SMO05700	158.0	15	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											19341.36 MHZ (15)
SMA33500	170.0	15	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	
											19629.05 MHZ (16)
OCE10100	-160.0	16	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
AND34100	-37.0	16	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
MLI32800	-37.0	16	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
G 02700	-31.0	16	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
ALG25200	-25.0	16	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AUT01600	-19.0	16	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
ZAI32200	-19.0	16	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
MLT14700	-13.0	16	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
EGY02600	-7.0	16	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
BUL02000	-1.0	16	25.0	43.0	2.00	2.00	0	2	87.0	2.2	
DNK08900	5.0	16	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
RRW31000	11.0	16	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
ARS00300	17.0	16	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
URS06000	23.0	16	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
MAU24300	29.0	16	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLD30600	44.0	16	73.1	6.0	0.96	0.60	90	1	84.0	10.0	
URS06900	44.0	16	64.8	38.3	2.00	2.00	0	2	89.0	3.7	2.
IND04000	56.0	16	73.0	25.0	1.82	1.48	58	1	84.0	4.7	3.
CHN18600	62.0	16	102.5	30.2	1.91	1.23	147	1	84.0	10.0	
MLA22700	86.0	16	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
CHN16900	92.0	16	118.5	36.4	1.16	0.76	11	2	84.0	10.0	
PHL28500	98.0	16	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
KRE28600	110.0	16	127.0	39.1	1.30	1.10	31	2	87.0	3.2	
AUS00700	128.0	16	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
CKH05301	158.0	16	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	
											19935.93 MHZ (17)
GUI19200	-37.0	17	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
SMR31100	-37.0	17	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
E 12900	-31.0	17	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
LBY28000	-25.0	17	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
F 09300	-19.0	17	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
CME30000	-13.0	17	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
YUG14800	-7.0	17	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
POL13200	-1.0	17	17.2	51.8	2.00	2.00	0	1	86.0	0.3	
SWZ31300	-1.0	17	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
TUR14500	5.0	17	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	17	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
QAT24700	17.0	17	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
URS06400	23.0	17	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
MDG23600	29.0	17	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NPL12200	50.0	17	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
IND04600	68.0	17	84.7	20.5	1.60	0.86	30	2	84.0	10.0	3.
BRM29800	74.0	17	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN18200	80.0	17	108.7	35.1	1.42	0.88	109	2	84.0	10.0	
INS03200	80.2	17	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
BTN03100	86.0	17	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CHN16700	92.0	17	124.3	43.7	1.98	0.72	156	1	84.0	7.9	
AUS00500	98.0	17	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
CAR33801	122.0	17	-157.5	21.0	2.02	0.60	115	2	87.0	10.0	
NZL28700	128.0	17	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
WAK33401	140.0	17	-157.5	21.0	1.63	0.67	131	2	87.0	5.7	
PLM33701	170.0	17	-124.8	39.2	4.43	0.73	132	2	87.0	10.0	

1	2	3	4		5		6	7	8	9	10
											20261.99 MHZ (18)
MLI32700	-37.0	18	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
GNB30400	-31.0	18	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IRL21100	-31.0	18	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
ALG25100	-25.0	18	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
D 08700	-19.0	18	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
ZAI32300	-19.0	18	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
TCD14300	-13.0	18	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
BOT29700	-1.0	18	23.3	-22.2	2.13	1.50	36	1	84.0	2.7	
ROU13600	-1.0	18	25.0	45.7	1.38	0.66	155	2	84.0	2.3	
NOR12000	5.0	18	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
YEM26600	11.0	18	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ARS27500	17.0	18	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
SOM31200	23.0	18	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
MAU24200	29.0	18	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
PAK28100	38.0	18	65.2	27.9	1.52	1.42	28	2	84.0	5.2	
URS07000	44.0	18	73.8	41.4	2.00	2.00	0	1	89.0	2.8	2.
IND04100	56.0	18	78.4	16.0	2.08	1.38	35	1	84.0	10.0	3.
CHN18500	62.0	18	95.7	35.4	2.10	1.14	156	2	84.0	10.0	
CBG29900	68.0	18	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
BGD22000	74.0	18	90.3	23.6	1.46	0.84	135	1	84.0	6.5	
CHN15900	79.8	18	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
INS03000	80.2	18	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
MLA22700	86.0	18	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
PHL28500	98.0	18	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
KRE28600	110.0	18	127.0	39.1	1.30	1.10	31	2	87.0	2.0	
AUS00800	128.0	18	133.7	-24.4	6.78	5.90	172	1	87.0	4.1	1.
MRL33301	146.0	18	-157.5	21.0	1.63	0.67	131	2	87.0	6.9	
											20607.23 MHZ (19)
GMB30200	-37.0	19	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
LIE25300	-37.0	19	9.5	47.1	0.60	0.60	0	2	84.0	0.5	
POR13300	-31.0	19	-8.0	39.6	0.92	0.60	112	1	84.0	5.3	
LBY32100	-25.0	19	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
BEN23300	-19.0	19	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
LUX11400	-19.0	19	6.0	49.8	0.68	0.68	0	2	84.0	0.8	
GAB26000	-13.0	19	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
YUG14900	-7.0	19	18.6	43.8	2.21	0.92	156	2	84.0	9.5	
TCH14400	-1.0	19	17.2	51.8	2.00	2.00	0	1	84.0	1.2	
GRC10500	5.0	19	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
LBN27900	11.0	19	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
URS06100	23.0	19	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
IRN10900	34.0	19	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
NPL12200	50.0	19	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
IND03800	56.0	19	75.9	33.4	1.52	1.08	33	2	84.0	5.1	3.
BRM29800	74.0	19	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN15800	79.8	19	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
INS03200	80.2	19	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
CHN17900	92.0	19	112.2	21.9	1.84	1.22	37	1	84.0	10.0	
AUS00400	98.0	19	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
INS03600	104.0	19	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
URS07700	110.0	19	137.0	50.5	2.00	2.00	0	1	89.0	2.5	2.
MRA33201	122.0	19	-157.5	21.0	2.02	0.60	115	2	87.0	10.0	
NIU05400	158.0	19	-169.8	-19.0	0.60	0.60	0	1	84.0	10.0	8/GR2
SMA33501	170.0	19	-124.8	39.2	4.43	0.73	132	1	87.0	10.0	

1	2	3	4		5		6	7	8	9	10
											20971.65 MHZ (20)
AND34100	-37.0	20	1.5	42.5	0.61	0.60	153	1	84.0	0.3	
MLI32800	-37.0	20	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
G 02700	-31.0	20	-3.5	53.8	1.84	0.72	142	2	84.0	4.8	
ALG25200	-25.0	20	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AUT01600	-19.0	20	12.2	47.5	1.14	0.63	166	1	84.0	1.6	
ZAI32200	-19.0	20	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
EGY02600	-7.0	20	29.7	26.8	2.33	1.72	136	1	86.0	1.6	
BUL02000	-1.0	20	25.0	43.0	2.00	2.00	0	2	87.0	1.9	
DNK08900	5.0	20	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
RRW31000	11.0	20	30.0	-2.1	0.66	0.60	42	1	84.0	7.6	
ARS00300	17.0	20	44.6	23.4	4.21	2.48	145	1	84.0	2.2	
URS06500	23.0	20	37.7	55.8	2.00	2.00	0	2	89.0	1.1	2.
PAK28200	38.0	20	68.5	25.8	1.32	0.62	133	2	84.0	5.0	
URS06600	44.0	20	64.8	38.3	2.00	2.00	0	1	89.0	3.8	2.
CHN18400	62.0	20	101.0	37.9	2.78	0.82	144	2	84.0	4.2	
CBG29900	68.0	20	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
IND04200	68.0	20	79.3	27.7	2.14	1.16	147	1	89.0	4.7	3.
BGD22000	74.0	20	90.3	23.6	1.46	0.84	135	1	84.0	6.7	
CHN15900	79.8	20	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
INS03000	80.2	20	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
MLA22700	86.0	20	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
PHL28500	98.0	20	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
KRE28600	110.0	20	127.0	39.1	1.30	1.10	31	2	87.0	2.0	
AUS00700	128.0	20	133.6	-24.4	6.75	5.90	172	1	87.0	4.1	1.
URS07900	140.0	20	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
TKL05800	158.0	20	-171.8	-8.9	0.70	0.60	35	2	84.0	10.0	8/GR2
											21355.25 MHZ (21)
MCO11600	-37.0	21	7.4	43.7	0.60	0.60	0	2	83.0	6.0	
BFA10700	-31.0	21	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
ISL04900	-31.0	21	-19.0	64.9	1.00	0.60	177	1	82.0	3.1	
BEL01800	-19.0	21	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
ALB29600	-7.0	21	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
DDR21600	-1.0	21	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
CYP08600	5.0	21	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
KEN24900	11.0	21	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
UAE27400	17.0	21	53.6	24.4	0.98	0.80	162	2	84.0	2.5	
BLR06200	23.0	21	29.5	51.4	2.00	2.00	0	1	89.0	0.8	2.
DJI09900	23.0	21	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
NPL12200	50.0	21	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
IND03800	56.0	21	75.9	33.4	1.52	1.08	33	2	84.0	5.1	3.
BRM29800	74.0	21	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN17600	80.0	21	113.7	33.9	1.20	0.80	141	2	84.0	10.0	
INS03200	80.2	21	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
CHN17500	92.0	21	121.4	23.8	1.14	0.82	64	1	84.0	10.0	
AUS00500	98.0	21	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
GUM33100	122.0	21	151.1	11.6	6.48	3.49	179	1	87.0	3.9	
NZL28700	128.0	21	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
TON21500	170.0	21	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											21758.02 MHZ (22)
MTN22300	-37.0	22	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
CTI23700	-31.0	22	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
TUN15000	-25.0	22	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
SUI14000	-19.0	22	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
COG23500	-13.0	22	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
SDN23100	-7.0	22	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
HNG10600	-1.0	22	22.2	45.6	2.00	2.00	0	2	84.0	1.5	
FNL10400	5.0	22	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
BDI27000	11.0	22	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
SYR22900	11.0	22	38.3	34.9	1.04	0.90	7	2	84.0	3.2	
KWT11300	17.0	22	47.6	29.2	0.68	0.60	145	1	84.0	3.2	
REU09700	29.0	22	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	22	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
PAK28100	38.0	22	65.2	27.9	1.52	1.42	28	2	84.0	5.4	
URS07000	44.0	22	73.8	41.4	2.00	2.00	0	1	89.0	2.7	2.
CHN18300	62.0	22	104.8	39.0	1.48	0.60	142	2	84.0	4.5	
CBG29900	68.0	22	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
IND04200	68.0	22	79.3	27.7	2.14	1.16	147	1	89.0	4.7	3.
BGD22000	74.0	22	90.3	23.6	1.46	0.84	135	1	84.0	6.5	
CHN15900	79.8	22	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
INS03000	80.2	22	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
MLA22700	86.0	22	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
CHN16800	92.0	22	124.8	48.1	2.68	0.92	157	1	84.0	4.0	
PHL28500	98.0	22	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
KRE28600	110.0	22	127.0	39.1	1.30	1.10	31	2	87.0	1.6	
AUS00800	128.0	22	133.7	-24.4	6.78	5.90	172	1	87.0	4.1	1.
URS08100	140.0	22	168.5	65.5	2.00	2.00	0	2	89.0	10.0	2.
											22179.98 MHZ (23)
CVA08500	-37.0	23	10.8	41.5	2.00	0.60	138	1	84.0	10.0	
CNR13000	-31.0	23	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
SRL25900	-31.0	23	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
GHA10800	-25.0	23	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	23	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	23	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
AGL29500	-13.0	23	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
SDN23000	-7.0	23	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
ZWE13500	-1.0	23	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
ISL05000	5.0	23	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	23	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
ARS34000	17.0	23	44.6	23.4	4.21	2.48	145	2	84.0	1.4	
URS06100	23.0	23	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS064X0	23.0	23	47.2	40.9	2.00	2.00	0	2	89.0	3.9	2.
IND04600	68.0	23	84.7	20.5	1.60	0.86	30	2	84.0	10.0	3.
BRM29800	74.0	23	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN15800	79.8	23	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
INS03200	80.2	23	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
AUS00400	98.0	23	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
URS07700	110.0	23	137.0	50.5	2.00	2.00	0	1	89.0	2.6	2.
NIU05400	158.0	23	-169.8	-19.0	0.60	0.60	0	1	84.0	10.0	8/GR2

1	2	3	4	5		6	7	8	9	10
										22621.12 MHZ (24)
MTN28800	-37.0	24	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
AZR13400	-31.0	24	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
NGR11500	-25.0	24	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
I 08200	-19.0	24	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
CAF25800	-13.0	24	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
SDN23200	-7.0	24	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
MWI30800	-1.0	24	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
DNK09000	5.0	24	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
LSO30500	5.0	24	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
IRQ25600	11.0	24	43.5	33.0	2.28	1.32	145	2	84.0	3.1	
OMA12300	17.0	24	55.6	21.0	1.88	1.02	100	1	86.0	2.0	
MYT09800	29.0	24	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR6
MYT09801	29.0	24	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR6
PAK28200	38.0	24	68.5	25.8	1.32	0.62	133	2	84.0	5.0	
URS06601	44.0	24	73.8	41.4	2.00	2.00	0	2	89.0	4.5	2.
IND04100	56.0	24	78.4	16.0	2.08	1.38	35	1	84.0	10.0	3.
CHN18800	62.0	24	101.5	25.1	1.86	1.08	132	1	84.0	10.0	
CBG29900	68.0	24	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN17700	80.0	24	111.8	30.8	1.42	0.82	160	1	84.0	10.0	
INS03000	80.2	24	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
MLA22700	86.0	24	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
CHN16600	92.0	24	121.1	41.7	1.52	0.78	154	1	84.0	7.9	
PHL28500	98.0	24	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
AUS00700	128.0	24	133.6	-24.4	6.75	5.90	172	1	87.0	4.1	1.
URS07900	140.0	24	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
TKL05800	158.0	24	-171.8	-8.9	0.70	0.60	35	2	84.0	10.0	8/GR2
										23081.43 MHZ (25)
MCO11600	-37.0	25	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
BFA10700	-31.0	25	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
ISL04900	-31.0	25	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
BEL01800	-19.0	25	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
ALB29600	-7.0	25	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
DDR21600	-1.0	25	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
CYP08600	5.0	25	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
KEN24900	11.0	25	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
UAE27400	17.0	25	53.6	24.4	0.98	0.80	162	2	84.0	2.5	
BLR06201	23.0	25	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
DJI09900	23.0	25	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
MNG24800	74.0	25	107.5	47.8	2.00	2.00	0	1	89.0	3.8	2.
URS07800	110.0	25	110.0	60.0	2.00	2.00	0	2	89.0	10.0	2.
GUM33100	122.0	25	151.1	11.6	6.48	3.49	179	1	87.0	3.9	
TON21500	170.0	25	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											23560.93 MHZ (26)
MTN22300	-37.0	26	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
CTI23700	-31.0	26	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
TUN15000	-25.0	26	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
SUI14000	-19.0	26	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
COG23500	-13.0	26	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
SDN23100	-7.0	26	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
HNG10600	-1.0	26	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
FNL10400	5.0	26	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
BDI27000	11.0	26	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
SYR22900	11.0	26	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
KWT11300	17.0	26	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
REU09700	29.0	26	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	26	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
URS06800	44.0	26	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	26	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
AUS00600	98.0	26	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	26	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
URS08000	140.0	26	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											24059.61 MHZ (27)
CVA08300	-37.0	27	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	27	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
SRL25900	-31.0	27	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
GHA10800	-25.0	27	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	27	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	27	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
AGL29500	-13.0	27	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
SDN23000	-7.0	27	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
ZWE13500	-1.0	27	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
DNK09100	5.0	27	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	27	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
BHR25500	17.0	27	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
URS05900	23.0	27	47.2	40.9	2.00	2.00	0	1	89.0	3.9	2.
URS07700	110.0	27	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
											24577.47 MHZ (28)
MTN28800	-37.0	28	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
AZR13400	-31.0	28	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
NGR11500	-25.0	28	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
I 08200	-19.0	28	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
CAF25800	-13.0	28	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
SDN23200	-7.0	28	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
MWI30800	-1.0	28	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
LSO30500	5.0	28	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
NOR12100	5.0	28	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
IRQ25600	11.0	28	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
OMA12300	17.0	28	55.6	21.0	1.88	1.02	100	1	86.0	2.0	
MYT09800	29.0	28	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR6
MYT09801	29.0	28	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR6
URS06602	44.0	28	58.0	59.0	2.00	2.00	0	1	89.0	10.0	2.
URS07600	74.0	28	92.8	56.1	2.00	2.00	0	2	89.0	0.3	2.
AUS00600	98.0	28	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	28	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
URS07900	140.0	28	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											25114.51 MHZ (29)
MCO11600	-37.0	29	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
SEN22200	-37.0	29	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
BFA10700	-31.0	29	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
ISL04900	-31.0	29	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
BEL01800	-19.0	29	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
ALB29600	-7.0	29	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
DDR21600	-1.0	29	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
CYP08600	5.0	29	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
KEN24900	11.0	29	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
UAE27400	17.0	29	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
DJI09900	23.0	29	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
UKR06300	23.0	29	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
MNG24800	74.0	29	107.5	47.8	2.00	2.00	0	1	89.0	0.6	2.
GUM33100	122.0	29	151.1	11.6	6.48	3.49	179	1	87.0	3.9	
TON21500	170.0	29	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
											25670.73 MHZ (30)
MTN22300	-37.0	30	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
CTI23700	-31.0	30	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
TUN15000	-25.0	30	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
SUI14000	-19.0	30	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
COG23500	-13.0	30	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
SDN23100	-7.0	30	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
HNG10600	-1.0	30	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
S 13900	5.0	30	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
BDI27000	11.0	30	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
SYR22900	11.0	30	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
KWT11300	17.0	30	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
REU09700	29.0	30	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	30	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
URS06801	44.0	30	64.8	38.3	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	30	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
AUS00600	98.0	30	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	30	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
URS08000	140.0	30	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											26246.13 MHZ (31)
CVA08300	-37.0	31	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	31	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
SRL25900	-31.0	31	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
GHA10800	-25.0	31	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	31	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	31	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
AGL29500	-13.0	31	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
SDN23000	-7.0	31	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
ZWE13500	-1.0	31	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
ISL05000	5.0	31	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	31	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
BHR25500	17.0	31	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
URS05901	23.0	31	29.5	51.4	2.00	2.00	0	2	89.0	3.9	2.
URS07701	110.0	31	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											26840.70 MHZ (32)
MTN28800	-37.0	32	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
AZR13400	-31.0	32	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
NGR11500	-25.0	32	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
I 08200	-19.0	32	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
CAF25800	-13.0	32	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
SDN23200	-7.0	32	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
MWI30800	-1.0	32	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
LSO30500	5.0	32	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
NOR12100	5.0	32	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
IRQ25600	11.0	32	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
OMA12300	17.0	32	55.6	21.0	1.88	1.02	100	1	86.0	2.0	
MYT09800	29.0	32	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR6
MYT09801	29.0	32	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR6
URS06601	44.0	32	73.8	41.4	2.00	2.00	0	2	89.0	10.0	2.
URS07500	74.0	32	92.8	56.1	2.00	2.00	0	2	89.0	0.1	2.
AUS00600	98.0	32	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	32	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
URS07900	140.0	32	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
											27454.46 MHZ (33)
MCO11600	-37.0	33	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
SEN22200	-37.0	33	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
BFA10700	-31.0	33	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
ISL04900	-31.0	33	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
BEL01800	-19.0	33	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
ALB29600	-7.0	33	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
DDR21600	-1.0	33	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
CYP08600	5.0	33	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
KEN24900	11.0	33	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
UAE27400	17.0	33	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
DJI09900	23.0	33	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
UKR06300	23.0	33	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
MNG24800	74.0	33	107.5	47.8	2.00	2.00	0	1	89.0	0.6	2.
GUM33100	122.0	33	151.1	11.6	6.48	3.49	179	1	87.0	3.9	
TON21500	170.0	33	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
											28087.40 MHZ (34)
MTN22300	-37.0	34	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
CTI23700	-31.0	34	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
TUN15000	-25.0	34	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
SUI14000	-19.0	34	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
COG23500	-13.0	34	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
SDN23100	-7.0	34	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
HNG10600	-1.0	34	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
S 13800	5.0	34	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
BDI27000	11.0	34	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
SYR22900	11.0	34	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
KWT11300	17.0	34	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
REU09700	29.0	34	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	34	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
URS07100	44.0	34	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	34	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	34	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											28739.52 MHZ (35)
CVA08300	-37.0	35	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	35	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
SRL25900	-31.0	35	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
GHA10800	-25.0	35	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	35	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	35	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
AGL29500	-13.0	35	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
SDN23000	-7.0	35	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
ZWE13500	-1.0	35	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
DNK09100	5.0	35	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	35	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
BHR25500	17.0	35	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
URS05902	23.0	35	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
URS07701	110.0	35	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											29410.81 MHZ (36)
MTN28800	-37.0	36	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
AZR13400	-31.0	36	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
NGR11500	-25.0	36	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
I 08200	-19.0	36	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
CAF25800	-13.0	36	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
SDN23200	-7.0	36	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
MWI30800	-1.0	36	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
DNK09000	5.0	36	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
LSO30500	5.0	36	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
IRQ25600	11.0	36	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
OMA12300	17.0	36	55.6	21.0	1.88	1.02	100	1	86.0	2.0	
MYT09800	29.0	36	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR6
MYT09801	29.0	36	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR6
URS06603	44.0	36	37.7	55.8	2.00	2.00	0	2	89.0	10.0	2.
AUS00600	98.0	36	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	36	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
URS07900	140.0	36	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
											30101.29 MHZ (37)
MCO11600	-37.0	37	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
SEN22200	-37.0	37	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
BFA10700	-31.0	37	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
ISL04900	-31.0	37	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
BEL01800	-19.0	37	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
ALB29600	-7.0	37	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
DDR21600	-1.0	37	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
CYP08600	5.0	37	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
KEN24900	11.0	37	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
UAE27400	17.0	37	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
DJI09900	23.0	37	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
UKR06300	23.0	37	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
MNG24800	74.0	37	107.5	47.8	2.00	2.00	0	1	89.0	4.0	2.
GUM33101	122.0	37	-157.5	21.0	2.02	0.60	115	1	87.0	10.0	

1	2	3	4		5		6	7	8	9	10
											30810.95 MHZ (38)
MTN22300	-37.0	38	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
CTI23700	-31.0	38	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
TUN27200	-25.0	38	2.5	32.0	3.59	1.75	175	2	84.0	3.1	
SUI14000	-19.0	38	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
COG23500	-13.0	38	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
SDN23100	-7.0	38	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
HNG10600	-1.0	38	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
NOR12000	5.0	38	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
BDI27000	11.0	38	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
SYR33900	11.0	38	37.6	34.2	1.32	0.88	74	2	84.0	3.0	
KWT11300	17.0	38	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
REU09700	29.0	38	55.6	-19.2	1.56	0.78	96	2	84.0	9.6	8/GR5
REU09701	29.0	38	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
URS07100	44.0	38	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	38	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	38	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											31539.78 MHZ (39)
CVA08300	-37.0	39	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	39	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
SRL25900	-31.0	39	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
GHA10800	-25.0	39	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	39	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	39	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
AGL29500	-13.0	39	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
SDN23000	-7.0	39	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
ZWE13500	-1.0	39	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
ISL05000	5.0	39	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	39	35.8	31.4	0.84	0.78	114	1	85.0	2.2	
BHR25500	17.0	39	50.5	26.1	0.60	0.60	0	2	84.0	2.6	
URS05902	23.0	39	37.7	55.8	2.00	2.00	0	2	89.0	4.5	2.
MNG24800	74.0	39	107.5	47.8	2.00	2.00	0	1	89.0	4.0	2.
URS07701	110.0	39	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											32287.80 MHZ (40)
MTN28800	-37.0	40	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
AZR13400	-31.0	40	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
NGR11500	-25.0	40	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
I 08200	-19.0	40	12.3	41.3	2.38	0.98	137	1	84.0	4.7	
CAF25800	-13.0	40	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
SDN23200	-7.0	40	29.6	18.4	2.54	2.09	167	1	86.0	1.6	
MWI30800	-1.0	40	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
LSO30500	5.0	40	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
S 13900	5.0	40	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
IRQ25600	11.0	40	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
OMA12300	17.0	40	55.6	21.0	1.88	1.02	100	1	86.0	3.1	
MYT09800	29.0	40	45.1	-12.8	0.60	0.60	0	2	84.0	9.6	8/GR6
MYT09801	29.0	40	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR6
URS06603	44.0	40	37.7	55.8	2.00	2.00	0	2	89.0	10.0	2.
AUS00600	98.0	40	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	40	133.7	-24.4	6.78	5.90	172	2	87.0	10.0	1.
URS07900	140.0	40	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 343-E
24 September 1988
Original: English

COMMITTEE 7

FOURTH SERIES OF TEXTS FROM COMMITTEE 6 TO THE EDITORIAL COMMITTEE

The texts contained in the annex to Document 311 as adopted and in Documents 305, 326 and 332 as amended and adopted by Committee 6 at its seventh meeting are submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

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Document 344-E
24 September 1988
Original: English

Source: Document 289

COMMITTEE 5

NOTE FROM THE CHAIRMAN OF COMMITTEE 6
TO THE CHAIRMAN OF COMMITTEE 5

REVIEW OF RESOLUTION 34

Committee 6 has, in its terms of reference under agenda item 13, to review and revise the new and existing Resolutions and Recommendations. While considering such Resolutions and Recommendations attributed to it, it has decided to refer Resolution 34 to Committee 5 as it is of direct relevance to their work.

Accordingly, Resolution 34 along with proposals received from the administrations as in the annex is transmitted to Committee 5.

J.F. BROERE
Chairman of Committee 6

Annex: 1

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ANNEX

RESOLUTION 34

Relating to the Establishment of the Broadcasting-Satellite Service in Region 3 in the 12.5 - 12.75 GHz Frequency Band and to Sharing with Space and Terrestrial Services in Regions 1, 2 and 3

MOD KEN/69/40, PRG/109/7

NOC MEX/103/.., CAN/60/..

INTERNATIONAL TELECOMMUNICATION UNION

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WORKING GROUP 5-A

Second report of the Chairman of Working Group 5-A ad hoc 2

BSS FEEDER-LINK PLANNING

DRAFT PLAN FOR REGION 1

17.3 - 18.1 GHz

A problem has been identified in the draft Plan (Document 310) where non-linear frequency translation is used and the second harmonic of the translation frequency falls within the band allocated to the down-links (11.7 - 12.5 GHz).

To avoid this problem arising when the Plan is implemented, it is proposed that a footnote (x) be added to the Plan and that the cases to which it will apply be identified by (x) in the "Remarks" column of the Plan.

The proposed footnote is at Annex A.

The IFRB has been requested to identify those cases in Region 1 where this problem arises and to bring them to the attention of Working Group 5-A.

R.A. BEDFORD
Chairman of Working Group 5-A ad hoc 2

Annex: 1

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ANNEX A

Footnote X

This assignment uses feeder link frequencies which are not a linear translation of the down-link Plan, resulting in the potential radiation of a coherent unwanted frequency corresponding to the second harmonic of the shift frequency and falling in the frequency band allocated to down-links (11.7 - 12.5 GHz).

Every possible and sufficient technical means shall be adopted, on board the spacecraft, to eliminate such unwanted frequency radiation.

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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24 September 1988
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Source: Document DT/64(Rev.1)

COMMITTEE 4

NOTE OF THE CHAIRMAN OF COMMITTEE 4

As already envisaged by decisions of the First Session, a predetermined arc would be associated to each allotment as a means of increasing the flexibility of the Plan. Flexibility is then a key element for the procedures aiming at accommodating subregional systems, modifications to the Plan, interactions between Parts A and B etc.

Several definitions of predetermined arc were considered in the IFRB and CCIR intersessional works as well as different proposals on the subject were presented to the Conference. After a thorough appreciation of all these possible options and taking into account discussions already carried out in Working Group 4-B and Committee 4, the following approach was adopted:

a) To consider the concept of progressive reduction of the predetermined arc. Under this concept, an orbital arc would be associated with each allotment and would be progressively reduced depending upon the degree of implementation of the allotment.

b) The predetermined arc associated with an allotment shall be within the limits of the service arc as resulting from the consideration of the corresponding particular geographical requirement utilized in the development of the Plan.

c) Systems in the operational stage would be requested to be moved only to the minimal amount of orbital arc, if any, unless otherwise agreed to by the administration concerned.

d) An orbital position can only be displaced within the predetermined arc of its allotment if a new protected position ($C/I \geq 26$ dB) can be found within this predetermined arc.

e) An administration will not be considered to be affected if:

- to provide an allotment to a new Member of the Union;

- to accommodate a subregional system; or

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- to modify the Plan in order to implement an allotment specifically provided for in the Plan;

the orbital position of that administration is moved within the corresponding predetermined arc while keeping a C/I $\geq$ 26 dB.

Working Group 4-C shall:

- consider how this concept of predetermined arc can be utilized to improve the compatibility between Parts A and B of the Plan;

- consider other possible applications of this concept of predetermined arc;

- provide a definition for subregional systems.

Sub-Working Group 4-B-1 shall consider all available tools that could improve the Plan.

S. PINHEIRO
Chairman of Committee 4

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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24 September 1988
Original: English

Source: Documents DL/47, DL/58, 286

WORKING GROUP 6-B

REPORT OF THE CHAIRMAN OF SUB-WORKING GROUP 6-B-2

1. The Sub-Working Group held three meetings and has completed its examination of Article 13, taking into account relevant proposals from administrations. The texts adopted are given in Annex 1 to this report.

2. The following points should be noted:

a) Committee 6 may need to consider further changes to the text of Article 13 in the light of the work of its other Working Groups.

b) The Sub-Working Group decided not to adopt proposals CAN/60/155 to 160 on the treatment of suspended assignments, but it took cognizance of the IFRB's Rules of Procedure on this subject. It was felt that this point would need, in due course, to be noted in the minutes of Committee 6.

c) In respect of footnote 1506.1 the representative of the IFRB explained the difficulties experienced in the application of this provision. The Sub-Working Group decided to make no change but took note of the Board's view.

d) In discussion of Section 13 it was suggested that Nos. 1520 to 1524 might be deleted or simplified (see explanatory note at Annex 2 to this report which also gives the appropriate textual changes). No decision was taken on this matter.

e) In discussion of Nos. 1527 to 1530 it was noted that:

1) Nos. 1527 to 1530 apply in principle to cases in which coordination has not been applied (see No. 1527);

2) however, No. 1529 refers to two possibilities, the second of which is the case in which coordination has been applied but has been unsuccessful.

The representative of the IFRB expressed the view that this logical inconsistency might give rise to difficulties in practice. A suggested revision of these texts is given in Annex 3 to this report.

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f) In respect of No. 1548, the Sub-Working Group considered the proposal LUX/148/1. During the discussion it was suggested that any modification to the basic characteristics of an assignment should be subject only to the coordination procedure, if required, without the need to apply the advance publication procedure. The United States expressed a reservation on this suggestion.

g) In agreeing to adopt the text of MOD 1550, some administrations expressed some concern over the position of a satellite network which could not be brought into use within the time limit specified. It was also suggested that this Conference should take appropriate action to give directions to the IFRB to cover the period before the Final Acts of the present Conference come into force.

h) The Sub-Working Group considered, but did not adopt, proposals CAN/60/161 to 166, which would have added to Article 13 provisions regarding the period of validity of frequency assignments to space stations in the geostationary satellite orbit. Working Group 6-B may wish to take this decision into account in considering possible action on Resolution 4.

M.J. BATES
Chairman of Sub-Working Group 6-B-2

Annexes: 3

ANNEX 1

ARTICLE 13

NOC **Notification and Recording in the Master International Frequency Register of Frequency Assignments[1] to Radio Astronomy and Space Radiocommunication Stations Except Stations in the Broadcasting-Satellite Service[2]**

NOC **Section I. Notification of Frequency Assignments**

NOC 1488 - 1493

ADD 1493A A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to a space station for transmission or reception may indicate the characteristics of one or more typical earth stations with the area in which they are intended to be operated.

MOD 1494 (4) A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to earth stations in a satellite system shall include the technical characteristics either of each earth station, with its location, or of a typical earth station, with an indication of the service area within which such typical earth stations are to be operated.

NOC A.13.1 [1] The expression frequency assignment, wherever it appears in this Article, shall be understood to refer either to a new frequency assignment or to a change in an assignment already recorded in the Master International Frequency Register (hereinafter challed Master Register).

A.13.2 Orb-85 [2] For notification and recording of frequency assignments to stations in the broadcasting-satellite service and other services in the frequency bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2), as well as the notification and recording of frequency assignments to feeder-link stations in the fixed-satellite service (Earth-to-space) in the frequency band 17.3 - 17.8 GHz (in Region 2) and other services in these bands in Region 2, see also Article 15 and Article 15A respectively.

ADD 1494A Except for mobile earth stations individual notification of an earth station is required when:

ADD 1494B a) the coordination contour calculated in accordance with Appendix 28, overlaps the territory of another administration in which the frequency band is allocated with equal rights to the terrestrial services;

ADD 1494C b) the characteristics of the earth station are such that the interference caused or suffered is greater than for any typical earth station coordinated under No. 1060 for the relevant location.

NOC 1495 - 1502

MOD 1503 a) with respect to its conformity with the Convention, the Table of Frequency Allocations[1] and the other provisions of the Radio Regulations, with the exception of those relating to the coordination procedures and the probability of harmful interference which are the subject of the following sub-paragraphs;

ADD 1503.1 Conformity with the Table of Frequency Allocation implies the successful application of Article 14, when necessary.

NOC 1504 - 1549

MOD 1550 The notified date of bringing into use of the first assignment of a satellite network shall not be later than six years following the date of publication of the special section of the weekly circular referred to in No. 1044. This notified date of bringing into use will be extended at the request of the notifying administration by no more than three years.

NOC 1551 - 1609

ANNEX 2

In the application of provisions RR 1520-1524, the Board noted some discrepancies which are explained in detail in Document 18 under RR 1521. In summary, the provisions of RR 1521, through references to RR 1504 and RR 1505, imply that a frequency assignment not in conformity with RR 1503 (and being obliged to operate only under the conditions of RR 342, i.e. on a basis of not causing harmful interference) shall be coordinated with higher categories of assignments.

For other categories of allocations, Article 11 does not foresee the need for a given category of allocation (for example a secondary service) to coordinate with a higher category (for example a primary service). To remedy this contradiction the following alternative solutions (A and B) are offered for consideration.

Alternative A

MOD 1517 § 12. (1) Finding Unfavourable with Respect to No. 1503 ~~in Cases Where the Provisions of Nos. 1504 and 1505 Are Not Applicable (space station on board a non-geostationary satellite)~~.

SUP 1520 - 1524

The alternative consists in simplifying the procedure by recording a RR 342 assignment without any examination considering that irrespective of the result of any examination that may be carried out the assignment has to be operated on a non-interference basis.

Alternative B

NOC 1517 - 1519

MOD 1520 § 13. (1) Finding Unfavourable with Respect to No. 1503 in Cases Where the Provisions of Nos 1504 and 1505 Are Normally Applicable.

MOD 1521 (2) Where the notice includes a specific reference to the fact that the station will be operated in accordance with the provisions of No. 342, and the finding is favourable with respect to Nos. 1506 to 1508 and 1509 to 1512, as appropriate, the assignment shall be recorded in the Master Register. The date of receipt by the Board of the notice shall be entered in Column 2d.

MOD 1522 (3) Where the notice includes a specific reference to the fact that the station will be operated in accordance with the provisions of No. 342 and the finding is unfavourable with respect to Nos. 1506 to 1508 or 1509 to 1512, as appropriate, the notice shall be returned immediately by airmail to the notifying administration with the reasons of the Board for this finding. Should the administration insist upon reconsideration of the notice, the assignment shall be recorded in the Master Register with the understanding that the provisions of No. 1560 shall be applied. The date of receipt by the Board of the original notice shall be entered in Column 2d.

The alternative suppresses the need for coordination but retains the need to examine the probability of harmful interference. However if this alternative is retained, it may be necessary to indicate that the examination shall be limited to the interference caused by the RR 342 assignment and the interference caused to it should be disregarded.

ANNEX 3

NOC 1527 (3) Where the Board finds that either of the coordination procedures mentioned in Nos. 1504 and 1505 has not been applied and:

NOC 1528 a) if the notifying administration requests the Board to effect the coordination, the Board shall take appropriate action; if the Board's efforts toward securing agreement are successful, it shall so inform the administrations concerned and shall treat the notice in accordance with No. 1526;

MOD 1529 b) if the Board's efforts toward securing agreement in application of Nos. 1528 or 1089 to 1094 or 1130 to 1135 are unsuccessful, the Board shall examine the notice with respect to the provisions of Nos. 1506 to 1508 and 1509 to 1512, as appropriate. At the same time, the Board shall so inform the administrations concerned;

NOC 1530 c) if the notifying administration does not request the Board to effect the required coordination, the notice shall be returned immediately by airmail to the notifying administration with the reasons of the Board for this action together with such suggestions as the Board is able to offer with a view to a satisfactory solution of the problem.

ADD 1530A (3bis) Where the notifying administration states that the coordination procedures mentioned in Nos. 1504 and 1505 have not been successfully completed, the Board shall examine the notice with respect to the provisions of Nos. 1506 to 1508 and 1509 to 1512, as appropriate. At the same time, the Board shall so inform the administrations concerned.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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26 September 1988
Original: English

WORKING GROUP 4-C

FIRST REPORT OF WORKING GROUP 4-C AD HOC 4 TO WORKING GROUP 4-C

Working Group 4-C ad hoc 4 has so far held seven meetings and agreed upon the text of Annexes 1 and 2 to the Allotment Plan which are attached as Annexes 1 and 2.

With regard to Annex 2, the Group considered that Committee 4 should take note of the proposed action for the IFRB to take on the following matter:

- the IFRB should develop and keep up-to-date forms or notice to meet fully the statutory provisions of Annex 2.

- Note - For notification of frequency assignments derived from other than the allotments, modifications thereto, existing systems, subregional systems or additional uses the IFRB shall develop and keep up-to-date forms of notice based on the Appendix 3 of the Radio Regulations with such additional items as may be necessary for the application of this appendix and in particular for the application of the associated procedures contained therein.

G.F. JENKINSON
Chairman of Working Group 4-C ad hoc 4

Annexes: 2

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX 1

Parameters Used in Characterizing the Plan

Section A. Technical Data Used in Establishing the Allotment Plan and the Associated Provisions

1. Basic technical characteristics

The allotments in the Plan are based on a reference satellite network with the following assumptions:

1.1 Type of modulation

The Plan is independent of modulation characteristics and accessing techniques.

1.2 Carrier-to-noise ratio

The carrier-to-noise ratio (C/N) is as follows:

a) the up-link carrier-to-noise ratio is equal to 23 dB with a minimum earth station transmitter power density of 0 dBW/MHz averaged over the occupied bandwidth of the modulated carrier under rain fading conditions;

b) the down-link carrier-to-noise ratio is equal to 17 dB under rain fading conditions;

c) the total carrier-to-noise ratio is equal to 16 dB under rain fading conditions;

d) for the 6/4 GHz bands, the above C/Ns are exceeded for 99.95% of the year; (Note - The rain attenuation margin is limited to a maximum of 8 dB);

e) for the 13/10-11 GHz bands, the above C/Ns are exceeded for 99.9% of the year; (Note - The rain attenuation margin is limited to a maximum of 8 dB);

f) the rain attenuation model used was that in CCIR Report 564-3 (1986).

1.3 Earth station antenna elevation angle

The minimum elevation angle for each test point defining the service area is based on:

10 degrees for climatic zones A to G;
20 degrees for climatic zones H to L;
30 degrees for climatic zones M and N;
40 degrees for climatic zone P.

Administrations may select lower elevation angles for their service areas. For countries at high latitudes or with dispersed territories, in the absence of such a request, if the above values for minimum elevation angle are unobtainable then the highest elevation angle leading to a non-zero service arc applies. In mountainous areas, the elevation angles were specified by the administrations concerned.

1.4 Interference criteria

The minimum aggregate carrier-to-interference ratio under clear sky conditions is 26 dB.

1.5 Polarization

Polarization isolation between satellite networks was not used in the development of the Allotment Plan.

1.6 Earth station antenna characteristics

The diameters of the earth station antennas are:

7 m for the 6/4 GHz band;

3 m for the 13/10-11 GHz band.

1.6.1 The earth station receiving system noise temperature referred to the output of the receiving antenna is:

140 K for 4 GHz;

200 K for 10-11 GHz.

1.6.2 The earth station antenna efficiency is 70%.

1.6.3 The earth station antenna reference pattern is shown in Table 1, with a sidelobe pattern of 32 - 25 log φ. If so desired by an administration the improved sidelobe pattern of 29 - 25 log φ may be used.

Table 1

$$G(\varphi) = G_{max} - 2.5 \times 10^{-3}\left(\frac{D}{\lambda}\varphi\right)^2 \quad \text{for } 0 < \varphi < \varphi_m$$

$$G(\varphi) = G_1 \quad \text{for } \varphi_m \leq \varphi < \varphi_r$$

$$G(\varphi) = 32 - 25 \log \varphi \quad \text{for } \varphi_r \leq \varphi < 48°$$

$$G(\varphi) = -10 \quad \text{for } 48° \leq \varphi \leq 180°$$

where:

D = antenna diameter
λ = wavelength
} expressed in the same unit

φ = off-axis angle of the antenna, in degrees

G_1 = gain of the first sidelobe $= \begin{cases} 2 + 15 \log \frac{D}{\lambda}) & \text{for } 32-25 \log \varphi \\ -1 + 15 \log \frac{D}{\lambda}) & \text{for } 29-25 \log \varphi \end{cases}$

$$\varphi_m = \frac{20\lambda}{D}\sqrt{G_{max} - G_1} \quad \text{(degrees)}$$

$$\varphi_r = 15.85\left(\frac{D}{\lambda}\right)^{-0.6} \quad \text{(degrees)}$$

1.7 Spacecraft antenna characteristics

The Allotment Plan is based on the use of spacecraft antennas with beams of elliptical or circular cross-section.

1.7.1 The antenna radiation characteristics are as shown in Figure 1. The fast roll-off characteristics shown in Figure 2 may be used when so specified by administrations.

1.7.2 The spacecraft receiving system noise temperature referred to the output of the receiving antenna is:

. 1000 K for 6 GHz;

1500 K for 13 GHz;

1.7.3 The minimum beamwidth size, in terms of the half-power beamwidth, is 1.6 degrees for the 6/4 GHz band and 0.8 degrees for the 13/10-11 GHz band.

1.7.4 The space station antenna efficiency is 55%.

1.7.5 The deviation of the spacecraft antenna beam from its nominal pointing direction is limited to 0.1 degrees in any direction. The rotation accuracy of elliptical beams is ± 1.0 degrees.

1.8 Bandwidth

The Allotment Plan is based on a carrier power in a noise bandwidth of 1 MHz.

Section B. Generalized Parameter Method of Calculation for Determining When the Assignments of a Proposed Satellite Network Are in Conformity With the Plan

1. Application

1.1 This Section describes the methods of calculating the generalized parameter values to determine whether a proposed satellite network is considered to be in conformity with the Plan.

2. Method

2.1 This method is based on the concept of the A′, B′, C′, D′ generalized parameters which specify the interference producing capability (variables A′ and C′) and the interference sensitivity (variables B′ and D′) of a satellite network.

2.2 Since many different combinations of implementation parameters (such as antenna characteristics and transmitter powers) can result in a similar set of parametric values, it can, therefore, be applied irrespective of the modulation characteristics and specific frequency used.

2.3 In this method, the generalized parameters are calculated (see 3 below) and the results are compared with the corresponding reference set as contained in [Article ...].

- If the calculated A', B', C' and D' values are less than or equal to the relevant reference set, [and if the signal power spectral density peak (averaged over the worst 4 kHz) to average (defined over the signal bandwidth) ratio is less than 5 dB]; then the use of the assignment is considered to be in conformity with the Plan.

- If the calculated values of A' and C' are greater than the relevant reference set, the use of the assignment is considered not to be in conformity with the Plan.

- If the calculated values of B' or D' are greater than the relevant reference set, then the use of the assignment is considered not to be in conformity with the Plan, and the assignment is protected only to the level of the relevant reference set.

3. Calculation of the A', B', C', D' generalized parameters

3.1 The following equations (see 3.3 below) describe the A', B', C', D' generalized parameters where:

A' = up-link off-axis e.i.r.p. density averaged over the occupied bandwidth of the modulated carrier;

B' = up-link off-axis receiver sensitivity to interfering e.i.r.p. density averaged over the occupied bandwidth of the modulated carrier;

C' = down-link off-axis e.i.r.p. density averaged over the occupied bandwidth of the modulated carrier;

D' = down-link off-axis receiver sensitivity to interfering e.i.r.p density averaged over the occupied bandwidth of the modulated carrier;

3.2 In the following equations, if measured data for the antenna gains are not available, the same respective antenna radiation patterns as chosen under paragraphs 1.6.3 and 1.7.1 of Annex 1, Section A should be used.

3.3 The generalized parameters A', B', C' and D' are calculated as follows:

$$A' = p1 * g1(\theta)$$

$$B' = \frac{1}{p1 * g1 * \Delta g2(\varphi)}$$

$$C' = \frac{p3 * g3}{\Delta g3(\varphi)}$$

$$D' = \frac{g4(\theta)}{p3 * g3 * g4}$$

where:

p1 = the power level, averaged over the occupied bandwidth of the modulated carrier, fed into the transmitting earth station antenna (W/MHz);

g1 = the maximum gain of the earth station transmitting antenna (numerical power ratio);

$g1(\theta)$ = the earth station transmitting antenna radiation pattern (numerical power ratio);

$\Delta g2(\varphi)$ = the relative spacecraft receiving antenna radiation pattern (numerical power ratio);

p3 = the power level, averaged over the occupied bandwidth of the modulated carrier, fed into the spacecraft transmitting antenna (W/MHz);

g3 = the maximum spacecraft transmitting antenna gain (numerical power ratio);

$\Delta g3(\varphi)$ = the relative spacecraft receiving antenna radiation pattern (numerical power ratio);

g4 = the maximum gain of the earth station receiving antenna (numerical power ratio);

$g4(\theta)$ = the earth station transmitting antenna radiation pattern (numerical power ratio).

Note - The parameters p1, p1*g1, p3*g3, and p3*g3*g4 are specified in [columns ... of the Plan].

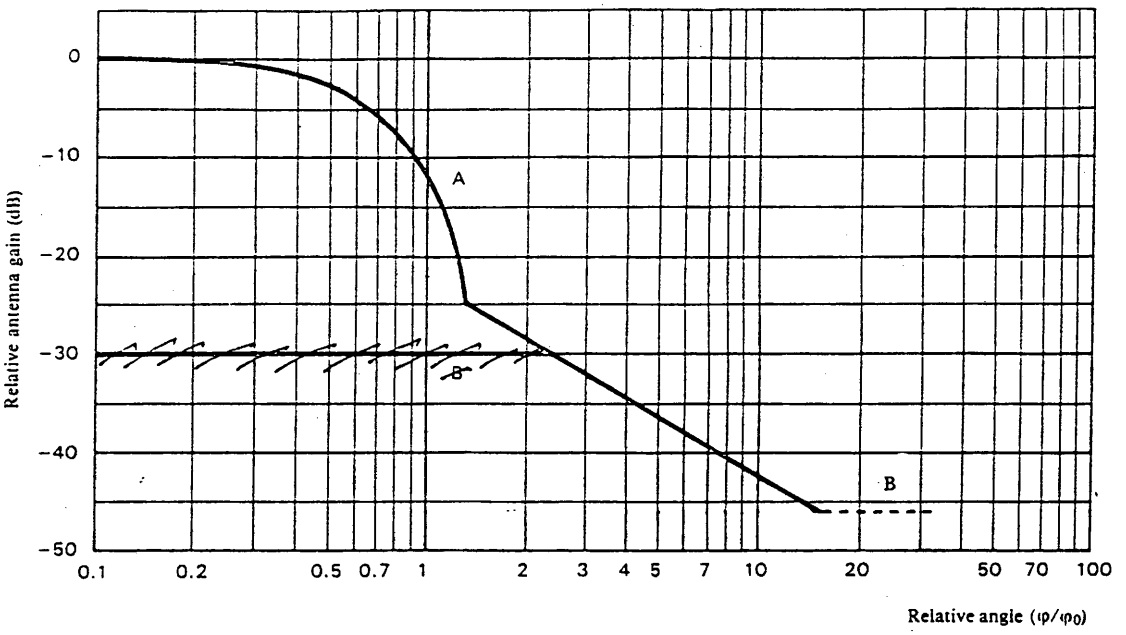

FIGURE 1

Reference patterns for satellite antennas

Curve A: dB relative to main beam gain

$-12\,(\varphi/\varphi_0)^2$ for $0 < (\varphi/\varphi_0) \leq 1.45$

$-(22 + 20 \log (\varphi/\varphi_0))$ for $(\varphi/\varphi_0) > 1.45$

after intersection with curve B: Curve B

Curve B: Minus the on-axis gain (Curve B in this figure illustrates the particular case of an antenna with an on-axis gain of 46 dBi).

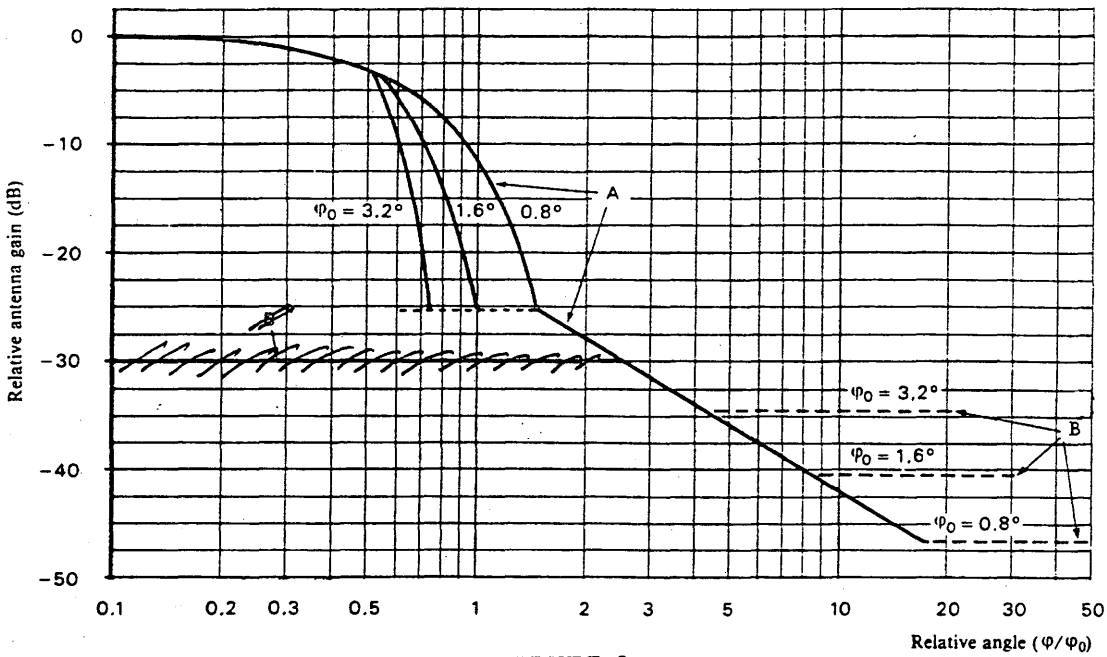

FIGURE 2

Reference patterns for satellite antennas with fast roll-off in the main beam

Curve A: dB relative to main beam gain

$-12\,(\varphi/\varphi_0)^2$ for $0 \leq (\varphi/\varphi_0) \leq 0.5$

$-18.75\,\varphi_0^2\,(\varphi/\varphi_0 - x)^2$ for $0.5 < (\varphi/\varphi_0) \leq \left(\frac{1.16}{\varphi_0} + x\right)$

-25.23 for $\left(\frac{1.16}{\varphi_0} + x\right) < (\varphi/\varphi_0) \leq 1.45$

$-(22 + 20 \log (\varphi/\varphi_0))$ for $(\varphi/\varphi_0) > 1.45$

after intersection with curve B: Curve B

Curve B: Minus the on-axis gain (Curves A and B represent examples of three antennas having different values of φ_0 as labelled in Figure 2. The on-axis gains of these antennas are approximately 34, 40 and 46 dBi, respectively).

where:

φ = off-axis angle (degrees)

φ_0 = dimension of the minimum ellipse fitted around the down-link service area in the direction of interest (degrees)

$$x = \begin{cases} 0.5\left(1 - \frac{0.8}{\varphi_0}\right) & \text{, for the 13/10-11 GHz band} \\ 0.5\left(1 - \frac{1.6}{\varphi_0}\right) & \text{, for the 6/4 GHz band} \end{cases}$$

ANNEX 2

Basic Data to be Furnished in Notices Relating to Stations in the Fixed-Satellite Service Entering the Design Stage Using Frequency Bands of the Plan

1. Introduction

This annex shall be used by administrations proposing:

- to convert an allotment to an assignment;
- to modify an allotment;
- to form a sub-regional system;
- additional systems;
- to modify assignments in accordance with the provisions of the Plan.

2. Space station characteristics

The following information shall be supplied for both the transmit and receive space stations.

2.1 Country and identification of the allotment (for a network not derived from the Allotment Plan, give the name of the network).

2.2 Preferred or nominal orbital position (xxx.xx degrees east or west from the Greenwich meridian of the allotment. In addition, in the case of a network not derived from the Allotment Plan, give the service arc).

2.3 Frequency bands

2.4 Dates proposed for entering into design stage (see Annex 3) and bringing into use.

[2.5 Identity of the space station]

2.6 Service area as defined by the allotment in the Plan. Alternatively, the service area may be defined by a number of geographical points.

2.7 Power characteristics of the transmission

a) maximum value of power density, in dB(W/Hz), averaged over the occupied bandwidth of the modulated carrier, supplied to the input of the antenna; (This value will be used for calculation of the C′ and D′ parameters. See Annex 1, Section B.)

b) maximum carrier power density, in dB(W/Hz), averaged over the worst 4 kHz band, supplied to the input of the antenna.

2.8 Space station transmitting and receiving antenna characteristics

a) gain of the antenna in the direction of maximum radiation referred to an isotopic antenna (dBi);

b) boresight coordinates (xx.xx degrees north or south, yyy.yy east or west from the Greenwich meridian);

c) pointing accuracy (degrees);

d) shape of the beam (elliptical, circular, or other);

e) for circular beams indicate the following:

- half-power beamwidth in degrees;
- radiation pattern;

f) for elliptical beams indicate the following:

- radiation pattern;
- rotation accuracy;
- major axis orientation in degrees counter-clockwise from the Equator;
- major axis beamwidth (degrees) at the half-power points;
- minor axis beamwidth (degrees) at the half-power points;

g) for beams of other than circular or elliptical shape, indicate the following:

- gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite on to a plane perpendicular to the axis from the centre of the Earth to the satellite;

[1] [The isotropic gain shall be indicated at each contour which corresponds to a decrease in gain of 2, 4, 6, 10 and 20 dB and thereafter at 10 dB intervals down to a value of 0 dB relative to an isotropic radiator.]

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1 Will be replaced by the latest version adopted by Committee 6.

- whenever practicable, a numerical equation providing the necessary information to allow the gain contours to be plotted.

2.9 Space station receive system noise temperature (degrees Kelvins)

2.10 Station-keeping accuracy (degrees)

3. Earth station characteristics

The following information shall be supplied for both the transmit and receive earth stations.

[3.1 Identity of the space station with which communications is to be established.]

3.2 Power characteristics of the transmission

a) maximum value of power density, in dB(W/Hz), averaged over the occupied bandwidth of the modulated carrier, supplied to the input of the antenna; (This value will be used for calculation of the A′ and B′ parameters. See Annex 1, Section B.)

b) maximum carrier power density, in dB(W/Hz), averaged over the worst 4 kHz band, supplied to the input of the antenna.

3.3 Earth station antenna characteristics

a) gain of the antenna in the direction of maximum radiation referred to an isotopic antenna (dBi);

b) half-power beamwidth in degrees (describe in detail if not symmetrical);

c) the radiation diagram(s) of the antenna (taking as a reference the direction of maximum radiation).

3.4 Earth station receive system noise temperature (degrees Kelvins)

4. Coordination, if any

5. Agreements, if any

6. Subregional systems

Indicate the type and participating administrations. [If applicable, indicate the part of the national allotment proposed to be used to form the sub-regional system by combining allotments and the notifying administration.]

7. Required protection ratio

Indicate the minimum acceptable aggregate carrier-to-interference ratio, if less than 26 dB. The carrier-to-interference ratio is to be expressed in terms of the power averaged over the occupied bandwidth of the modulated carrier and interference.

8. Other information, if any

INTERNATIONAL TELECOMMUNICATION UNION

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WORKING GROUP 4-C

FIRST REPORT OF WORKING GROUP 4-C AD HOC 4 TO WORKING GROUP 4-C

Working Group 4-C ad hoc 4 has so far held five meetings and agreed upon the text of Annexes 1 and 2 to the Allotment Plan which are attached as Annexes 1 and 2.

G.F. JENKINSON
Chairman of Working Group 4-C ad hoc 4

Annexes: 2

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX 1

Parameters Used in Characterizing the Plan

Section A. Technical Data Used in Establishing the Allotment Plan and the Associated Provisions

1. Basic technical characteristics

The allotments in the Plan are based on a reference satellite network with the following assumptions:

1.1 Type of modulation

The Plan is independent of modulation characteristics and accessing techniques.

1.2 Carrier-to-noise ratio

The carrier-to-noise ratio (C/N) is as follows:

a) the up-link carrier-to-noise ratio is equal to 23 dB with a minimum earth station transmitter power density of 0 dBW/MHz averaged over the occupied bandwidth of the modulated carrier under rain fading conditions;

b) the down-link carrier-to-noise ratio is equal to 17 dB under rain fading conditions;

c) the total carrier-to-noise ratio is equal to 16 dB under rain fading conditions;

d) for the 6/4 GHz bands, the above C/Ns are exceeded for 99.95% of the year; (Note - The rain attenuation margin is limited to a maximum of 5 dB);

e) for the 13/10-11 GHz bands, the above C/Ns are exceeded for 99.9% of the year; (Note - The rain attenuation margin is limited to a maximum of 8 dB);

f) the rain attenuation model used was that in CCIR Report 564-3 (1986).

1.3 Earth station antenna elevation angle

The minimum elevation angle for each test point defining the service area is based on:

10 degrees for climatic zones A to G;
20 degrees for climatic zones H to L;
30 degrees for climatic zones M and N;
40 degrees for climatic zone P.

Administrations may select lower elevation angles for their service areas. For countries at high latitudes, in the absence of such a request, if the above values for minimum elevation angle are unobtainable then the highest elevation angle leading to a non-zero service arc applies.

1.4 Interference criteria

The minimum aggregate carrier-to-interference ratio under clear sky conditions is 26 dB.

1.5 Polarization

Polarization isolation between satellite networks was not used in the development of the Allotment Plan.

1.6 Earth station antenna characteristics

The diameters of the earth station antennas are:

7 m for the 6/4 GHz band;

3 m for the 13/10-11 GHz band.

1.6.1 The earth station receiving system noise temperature referred to the output of the receiving antenna is:

140° K for 4 GHz;

200° K for 10-11 GHz.

1.6.2 The earth station antenna efficiency is 70%.

1.6.3 The earth station antenna reference pattern is shown in Table 1, with a sidelobe pattern of 32 - 25 log φ. If so desired by an administration the improved sidelobe pattern of 29 - 25 log φ may be used.

Table 1

$$G(\varphi) = G_{max} - 2.5 \times 10^{-3}\left(\frac{D}{\lambda}\varphi\right)^2 \quad \text{for } 0 < \varphi < \varphi_m$$

$$G(\varphi) = G_1 \quad \text{for } \varphi_m \leq \varphi < \varphi_r$$

$$G(\varphi) = 32 - 25 \log \varphi \quad \text{for } \varphi_r \leq \varphi < 48°$$

$$G(\varphi) = -10 \quad \text{for } 48° \leq \varphi \leq 180°$$

where:

D = antenna diameter
λ = wavelength
} expressed in the same unit

φ = off-axis angle of the antenna, in degrees

G_1 = gain of the first sidelobe = $2 + 15 \log \frac{D}{\lambda}$

$$\varphi_m = \frac{20\lambda}{D}\sqrt{G_{max} - G_1} \quad \text{(degrees)}$$

$$\varphi_r = 15.85\left(\frac{D}{\lambda}\right)^{-0.6} \quad \text{(degrees)}$$

1.7 Spacecraft antenna characteristics

The Allotment Plan is based on the use of spacecraft antennas with beams of elliptical or circular cross-section.

1.7.1 The antenna radiation characteristics are as shown in Figure 1. The fast roll-off characteristics shown in Figure 2 may be used when so specified by administrations.

1.7.2 The spacecraft receiving system noise temperature referred to the output of the receiving antenna is:

. 1000° K for 6 GHz;

1500° K for 13 GHz;

1.7.3 The minimum beamwidth size, in terms of the half-power beamwidth, is 1.6 degrees for the 6/4 GHz band and 0.8 degrees for the 13/10-11 GHz band.

1.7.4 The space station antenna efficiency is 55%.

1.7.5 The deviation of the spacecraft antenna beam from its nominal pointing direction is limited to 0.1 degrees in any direction. The angular rotation of the antenna beam about its axis is limited to ± 1.0 degrees.

1.8 Bandwidth

The Allotment Plan is based on a carrier power in a noise bandwidth of 1 MHz.

1.9 PFD limits

(to be prepared)

Section B. Generalized Parameter Method of Calculation for Determining When the Assignments of a Proposed Satellite Network Are in Conformity With the Plan

1. Application

1.1 This Section describes the methods of calculating the generalized parameter values to determine whether a proposed satellite network is considered to be in conformity with the Plan.

2. Method

2.1 This method is based on the concept of the A', B', C', D' generalized parameters which specify the interference producing capability (variables A' and C') and the interference sensitivity (variables B' and D') of a satellite network.

2.2 Since many different combinations of implementation parameters (such as antenna characteristics and transmitter powers) can result in a similar set of parametric values, it can, therefore, be applied irrespective of the modulation characteristics and specific frequency used.

2.3 In this method, the generalized parameters are calculated (see 3 below) and the results are compared with the corresponding reference set as contained in [Article ...].

- If the calculated A', B', C' and D' values are less than or equal to the relevant reference set, [and if the signal power spectral density peak (defined per 4 kHz) to average (defined over the signal bandwidth) ratio is less than 5 dB]; then the use of the assignment is considered to be in conformity with the Plan.

- If the calculated values of A' and C' are greater than the relevant reference set, the use of the assignment is considered to be in conformity with the Plan.

- If the calculated values of B' or D' are greater than the reference set, then the use of the assignment is considered not to be in conformity with the Plan, and the assignment is protected only to the level of the relevant reference set.

3. Calculation of the A', B', C', D' generalized parameters

3.1 The following equations (see 3.3 below) describe the A', B', C', D' generalized parameters where:

A' = up-link off-axis e.i.r.p. density averaged over the signal bandwidth (ASB);

B' = up-link off-axis receiver sensitivity to interfering e.i.r.p. density (ASB);

C' = down-link off-axis e.i.r.p. density (ASB);

D' = down-link off-axis receiver sensitivity to interfering e.i.r.p density (ASB).

3.2 In the following equations, if measured data for the antenna gains are not available, the same respective antenna radiation patterns as chosen under paragraphs 1.6.3 and 1.7.1 of Annex 1, Section A should be used.

3.3 The generalized parameters A', B', C' and D' are calculated as follows:

$$A' = p1 * g1(\theta)$$

$$B' = \frac{1}{p1 * g1 * g2(\varphi)}$$

$$C' = \frac{p3 * g3}{g3(\varphi)}$$

$$D' = \frac{g4(\theta)}{p3 * g3 * g4}$$

where:

p1 = the power level, averaged over the occupied bandwidth of the modulated carrier, fed into the transmitting earth station antenna (W/MHz);

g1 = the maximum gain of the earth station transmitting antenna (numerical power ratio);

$g1(\theta)$ = the earth station transmitting antenna radiation pattern (numerical power ratio);

$\Delta g2(\varphi)$ = the relative spacecraft receiving antenna radiation pattern (numerical power ratio);

p3 = the power level, averaged over the occupied bandwidth of the modulated carrier, fed into the spacecraft transmitting antenna (W/MHz);

g3 = the maximum spacecraft transmitting antenna gain (numerical power ratio);

$\Delta g3(\varphi)$ = the relative spacecraft receiving antenna radiation pattern (numerical power ratio);

g4 = the maximum gain of the earth station receiving antenna (numerical power ratio);

$g4(\theta)$ = the earth station transmitting antenna radiation pattern (numerical power ratio).

Note - The parameters p1, p1*g1, p3*g3, and p3*g3*g4 are specified in [columns ... of the Plan].

Section C. Existing Systems
(to be prepared)

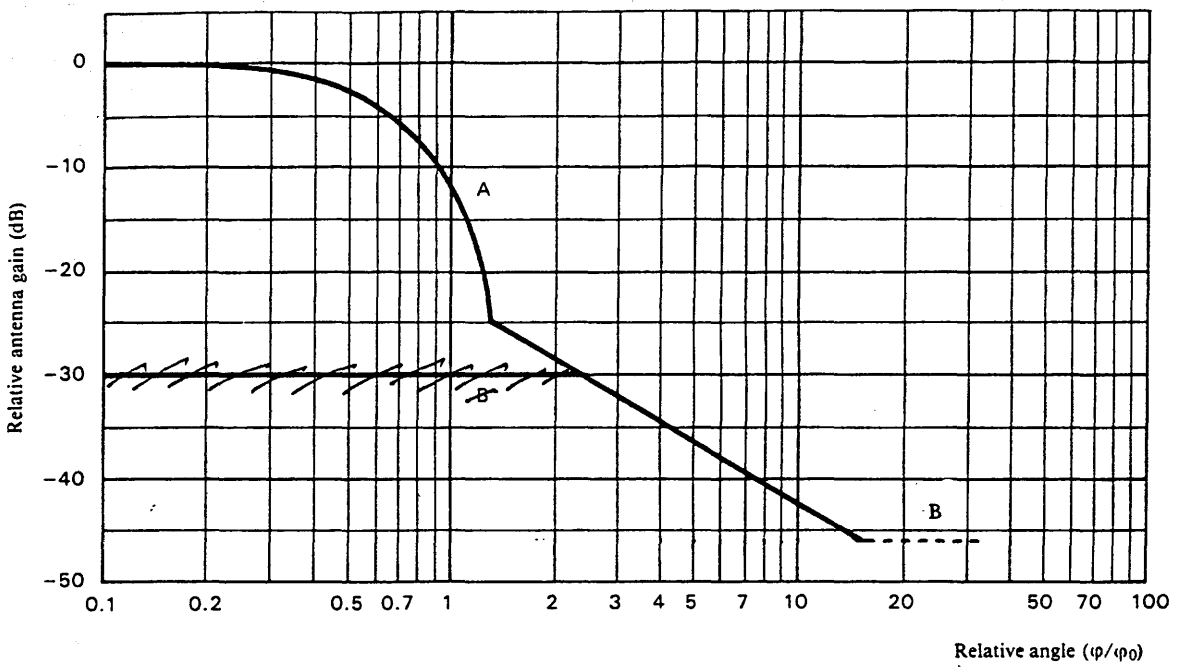

FIGURE 1

Reference patterns for satellite antennas

Curve A: dB relative to main beam gain

$-12\,(\varphi/\varphi_0)^2$ for $0 \leq (\varphi/\varphi_0) \leq 1.45$

$-(22 + 20 \log (\varphi/\varphi_0))$ for $(\varphi/\varphi_0) > 1.45$

after intersection with curve B: Curve B

Curve B: Minus the on-axis gain (Curve B in this figure illustrates the particular case of an antenna with an on-axis gain of 46 dBi).

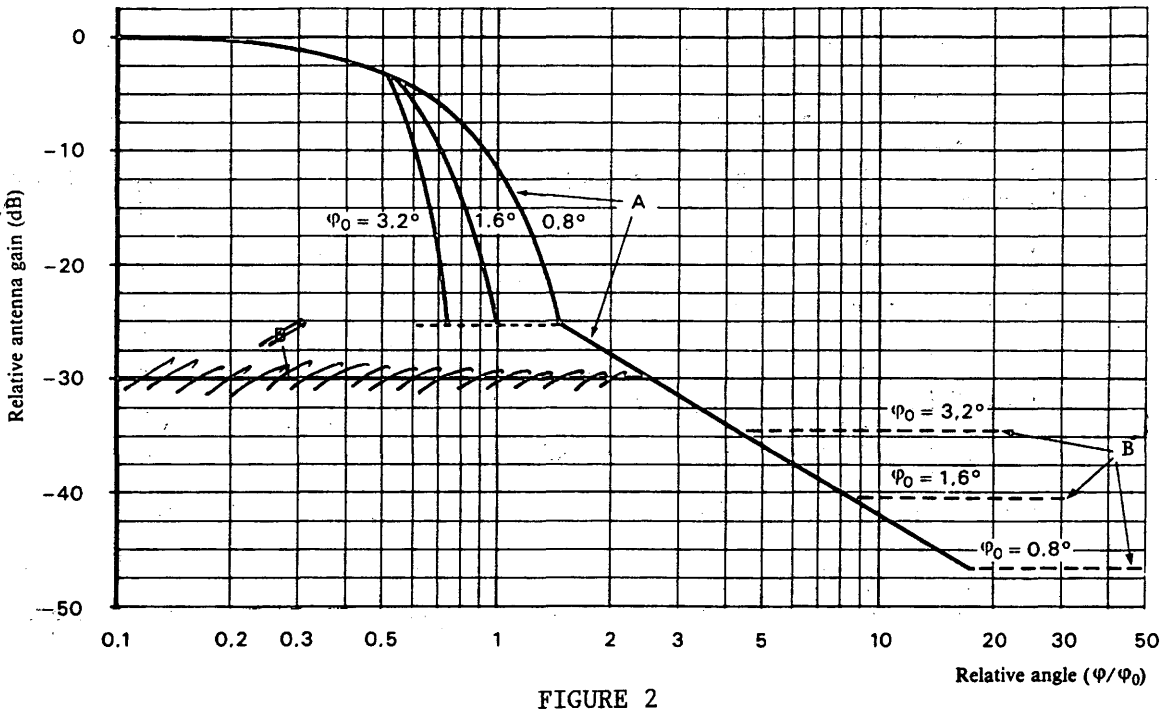

FIGURE 2

Reference patterns for satellite antennas with fast roll-off in the main beam

Curve A: dB relative to main beam gain

$-12\,(\varphi/\varphi_0)^2$	for $0 \leq (\varphi/\varphi_0) \leq 0.5$
$-18.75\,\varphi_0^2\,(\varphi/\varphi_0 - x)^2$	for $0.5 < (\varphi/\varphi_0) \leq \left(\frac{1.16}{\varphi_0} + x\right)$
-25.23	for $\left(\frac{1.16}{\varphi_0} + x\right) < (\varphi/\varphi_0) \leq 1.45$
$-(22 + 20 \log (\varphi/\varphi_0))$	for $(\varphi/\varphi_0) > 1.45$

after intersection with curve B: Curve B

Curve B: Minus the on-axis gain (Curves A and B represent examples of three antennas having different values of φ_0 as labelled in Figure 11. The on-axis gains of these antennas are approximately 34, 40 and 46 dBi, respectively).

where:

φ = off-axis angle (degrees)

φ_0 = dimension of the minimum ellipse fitted around the down-link service area in the direction of interest (degrees)

$x = 0.5\left(1 - \frac{0.8}{\varphi_0}\right)$.

ANNEX 2

Basic Data to be Furnished in Notices Relating to Stations in the Fixed-Satellite Service Entering the Design Stage Using Frequency Bands of the Plan

1. Introduction

This annex shall be used by administrations proposing:

- to convert an allotment to an assignment;
- to modify an allotment;
- to form a sub-regional system;
- additional systems;
- to modify assignments in accordance with the provisions of the Plan.

2. Space station characteristics

The following information shall be supplied for both the transmit and receive space stations.

2.1 Country and identification of the allotment (for a network not derived from the Allotment Plan, give the name of the network).

2.2 Preferred or nominal orbital position (xxx.xx degrees east or west from the Greenwich meridian of the allotment. In addition, in the case of a network not derived from the Allotment Plan, give the service arc).

2.3 Frequency bands

2.4 Dates proposed for entering into design stage (see Annex 3) and bringing into use.

[2.5 Identity of the space station]

2.6 Service area as defined by the allotment in the Plan. Alternatively, the service area may be defined by a number of geographical points.

2.7 Power characteristics of the transmission

a) maximum value of power density, in dB(W/Hz), averaged over the occupied bandwidth of the modulated carrier, supplied to the input of the antenna; (This value will be used for calculation of the C′ and D′ parameters. See Annex 1, Section B.)

b) maximum carrier power density, in dB(W/Hz), averaged over the worst 4 kHz band, supplied to the input of the antenna.

2.8 Space station antenna characteristics

a) gain of the antenna in the direction of maximum radiation referred to an isotropic antenna (dBi);

b) shape of the beam (elliptical, circular, or other);

c) for circular beams indicate the following:

- half-power beamwidth in degrees;
- radiation pattern;

d) for elliptical beams indicate the following:

- radiation pattern;
- rotation accuracy;
- major axis orientation in degrees counter-clockwise from the equation;
- major axis beamwidth (degrees) at the half-power;
- minor axis beamwidth (degrees) at the half-power;

e) for beams of other than circular or elliptical shape, indicate the following:

- gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite on to a plane perpendicular to the axis from the centre of the Earth to the satellite.

[1] [The isotropic gain shall be indicated at each contour which corresponds to a decrease in gain of 2, 4, 6, 10 and 20 dB and thereafter at 10 dB intervals down to a value of 0 dB relative to an isotropic radiator.]

---

[1] Will be replaced by the latest version adopted by Committee 6.

- whenever practicable, a numerical equation or table providing the necessary information to allow the gain contours to be plotted;

f) boresight coordinates (xxx.xx degrees north or south, yyy.yy east or west from the Greenwich meridian;

g) pointing accuracy.

2.9 Space station receive system noise temperature (Kelvins)

2.10 Station-keeping accuracy

3. Earth station characteristics

The following information shall be supplied for both the transmit and receive earth stations.

[3.1 Identity of the space station with which communications is to be established.]

3.2 Power characteristics of the transmission

a) maximum value of power density, in dB(W/Hz), averaged over the occupied bandwidth of the modulated carrier, supplied to the input of the antenna; (This value will be used for calculation of the A′ and B′ parameters. See Annex 1, Section B.)

b) maximum carrier power density, in dB(W/Hz), averaged over the worst 4 kHz band, supplied to the input of the antenna.

3.3 Earth station antenna characteristics

a) gain of the antenna in the direction of maximum radiation referred to an isotropic antenna (dBi);

b) half-power beamwidth in degrees (describe in detail if not symmetrical);

c) the radiation diagram(s) of the antenna (taking as a reference the direction of maximum radiation).

3.4 Earth station receive system noise temperature (Kelvins)

4. Coordination, if any

5. Agreements, if any

6. Sub-regional systems

Indicate the type and participating administrations. [If applicable, indicate the part of the national allotment proposed to be used to form the sub-regional system by combining allotments and the notifying administration.]

7. Required protection ratio

Indicate the minimum acceptable aggregate carrier-to-interference ratio, if less than 26 dB. The carrier-to-interference ratio is to be expressed in terms of the power averaged over the occupied bandwidth of the modulated carrier and interference.

8. Other information

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 349-E
26 September 1988
Original : French

BUDGET CONTROL
COMMITTEE

Note by the Secretary-General

SITUATION OF THE CONFERENCE ACCOUNTS

AS AT 25 SEPTEMBER 1988

I herewith submit for consideration by the Budget Control Committee, an estimate of Conference expenditure as at 25 September 1988.

The figures show a margin of 136,000 Swiss francs in relation to the budget as approved by the Administrative Council, adjusted to take account of changes in the common system of salaries and allowances.

R.E. BUTLER

Secretary-General

Annex : 1

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX 1

Situation of accounts for WARC ORB on 25 September 1988

Title	Budget approved by the A.C.	Budget adjust. at 01.09.88	Expendit. on actual	commit. estim.	25.09.88 total
col.	1	2	3	4	5
	- in thousands of Swiss francs -				
Subhead II Staff expenditure					
Salaries and related expeenses	1480	1635	64	1331	1395
Travel (recruitment)	150	150	3	48	51
Insurance	39	39	2	14	16
	1669	1824	69	1393	1462
Subhead III Premises and equipment costs					
Premises, furniture, machines	90	90	2	133	135
Document production	50	50	87	201	288
Office supplies and expenses	50	50	36	14	50
PTT	120	120	54	39	93
Technical installations	20	20	0	18	18
Sundry and unforeseen	12	12	5	7	12
	342	342	184	412	596
Subhead IV Other expenditure					
Final Acts of the Conference	72	72	0	72	72
Subhead VI Intersessional work and post-conference work up to 31.12.1988					
Staff expenses	459	461	346	118	464
Supernumerary staff	18	18	1	9	10
Other staff costs	56	56	28	8	36
Insurance	77	73	55	18	73
Computer facilities	200	200	150	43	193
Mission expenses	27	27	24	0	24
Premises, furniture, machines	50	50	68	9	77
Information meeting	30	30	10	1	11
	917	915	682	206	888
TOTAL SECTION 11.5	3000	3153	935	2083	3018
Margin in relation to the budget					136

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 350-E
28 September 1988

LIST OF DOCUMENTS
(Documents 301 to 350)

PL = Plenary Meeting
C = Committee
WG = Working Group
SWG = Sub-Working Group
DG = Drafting Group

No.	Origin	Title	Destination
301	F	Proposal (Agenda Item 5) - Revision of Article 1, No. 22 (Fixed-satellite service)	C.6
302	WG 6A	Third Report of Working Group 6A to Committee 6	C.6
303	C.7	B.2	PL
304	WG 6B	Fifth Report by the Chairman of Working Group 6B to Committee 6	C.6
305 + Corr. 1	WG 6C	Fifth Report by the Chairman of Working Group 6C to Committee 6	C.6
306	SG	IFRB Report - Results for the Second Draft Plan	C.4
307	SG	IFRB Report - Results for the Third Draft Plan	C.4
308	C.4	Summary Record of the twelfth meeting of Committee 4	C.4
309	C.6	Summary Record of the sixth meeting of Committee 6	C.6
310	SWG 5A1	BSS Feeder-link planning - Draft Plan	SWG 5A1
311	BEL, G, HOL, NOR	Proposals for the work of the Conference	C.6

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

No.	Origin	Title	Destination
312	WG 4C Ad Hoc 2	Second and last report of Working Group 4C Ad Hoc 2	WG 4C
313	WG 5A	Fourth Report of the Chairman of Working Group 5A to Committee 5	C.5
314	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
315	C.3	Summary Record of the third meeting of Committee 3	C.3
316	C.5	First series of texts from Committee 5 to the Editorial Committee	C.7
317	C.6	Third series of texts from Committee 6 to the Editorial Committee	C.7
318	SWG 5B2	First Report of the Chairman of Sub-Working Group 5B2 to the Chairman of Working Group 5B	WG 5B
319	SG	Note by the Secretary-general - Legal analysis and advice to Committee 6	C.6
320	WG 4C Ad Hoc 3	Second Report of Working Group 4C Ad Hoc 3 to the Chairman of Working Group 4C	WG 4C
321	SWG 5A2	Fourth Report of the Chairman of Sub-Working Group 5A2 to Working Group 5A	WG 5A
322	WG 5B Ad Hoc 1	Draft Resolution [COM5/4]	WG 5B
323	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
324 + Corr.1	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
325	C.5	Summary Record of the seventh meeting of Committee 5	C.5
326	WG 6B	Sixth Report by the Chairman of Working Group 6B to Committee 6	C.6
327	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
328	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6

No.	Origin	Title	Destination
329	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
330	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
331 + Add. 1	WG 6B Ad Hoc 1	Second Report by the Chairman of Working Group 6B Ad Hoc 1 to Working Group 6B	WG 6B
332	WG 6C	Sixth Report of the Chairman of Working Group 6C to the Chairman of Committee 6	C.6
333	WG 5A Ad Hoc 2	Report of Working Group 5A Ad Hoc 2 - Appendix 30A - Article 5	WG 5A WG 5B
334	WG 5B	Third Report of Working Group 5B to Committee 5	C.5
335	WG 5A	Fifth Report by the Chairman of Working Group 5A to Committee 5	C.5
336	Conference Chairman	Note by the Chairman of the Conference	-
337	WG 6B Ad Hoc 3	Report of the Chairman of Working Group 6B Ad Hoc 3	WG 6B
338	WG 6C	Seventh Report of the Chairman of Working Group 6C to the Chairman of Committee 6	C.6
339	WG 5B Ad Hoc 1	Report from the Chairman of Working Group 5B Ad Hoc 1 to the Chairman of Working Group 5B	WG 5B
340	WG 5A Ad Hoc 1	Report of the Chairman of Working Group 5A Ad Hoc 1 to the Chairman of Working Group 5A - Compatibility between the FSS Feeder Link Plans for Regions 1, 3 and Region 2	WG 5A
341 + Corr. 1	SWG 5A1	BSS Feeder-Link Planning Analysis of the Draft Plan	WG 5A
342 + Corr. 1	SWG 5A1	Report from Sub-Working Group 5A1 to Working Group 5A - BSS Feeder-Link Planning - Draft Plan	WG 5A
343	C.6	Fourth series of texts from Committee 6 to the Editorial Committee	C.7
344	C.5	Note from the Chairman of Committee 6 to the Chairman of Committee 5 - Review of Resolution 34	C.5

No.	Origin	Title	Destination
345	WG 5A Ad Hoc 2	Second Report of the Chairman of Working Group 5A Ad Hoc 2 - BSS Feeder-Link Planning - Draft Plan for Region 1 (17.3 - 18.1 GHz)	WG 5A
346	C.4	Note of the Chairman of Committee 4	C.4
347	SWG 6B2	Report of the Chairman of Sub-Working Group 6B2	WG 6B
348 (Rev. 1)	WG 4C Ad Hoc 4	First Report of Working Group 4C Ad Hoc 4 to Working Group 4C	WG 4C
349	SG	Situation of the Conference accounts as at 25 September 1988	C.3
350	SG	List of documents (301 to 350)	-

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 351-E
4 November 1988
Original: English

COMMITTEE 6

SUMMARY RECORD

OF THE

SEVENTH MEETING OF COMMITTEE 6

(REGULATORY PROCEDURES (OTHER THAN FOR ALLOTMENT PLANNING AND BSS FEEDER LINKS))

1. Paragraph 1.5

Amend as follows:

"1.5 The delegate of Papua New Guinea said that ... the coordination process could be reduced if trigger values were included as a guideline."

2. Paragraph 1.6

Amend as follows:

"1.6 The Chairman said ... no need to continue its support to maintain the threshold values."

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 351-E
28 September 1988
Original: English

COMMITTEE 6

SUMMARY RECORD

OF THE

SEVENTH MEETING OF COMMITTEE 6

(REGULATORY PROCEDURES (OTHER THAN FOR ALLOTMENT PLANNING AND BSS FEEDER LINKS))

Saturday, 24 September 1988, at 0900 hrs

Chairman: Mr. J.F. BROERE (Netherlands)

Subjects discussed:		Documents
1.	Allocation of new documents	319, 311, 295(Rev.1) + Corr.1, 314, 324 + Corr.1, 327, 328, 329, 330
2.	Report by the Chairman of Working Group 6-C	289, 305, 332
3.	Report by the Chairman of Working Group 6-B	326
4.	Report by the Chairman of Working Group 6-A	DT/73

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Allocation of new documents (Documents 319, 311, 295(Rev.1) + Corr.1, 314, 324 + Corr.1, 327, 328, 329, 330)

Document 319

1.1 The Legal Adviser, drawing particular attention to paragraphs 2, 4 and 5 of the document which set the framework for his legal analysis and advice, said that he had analysed the proposals USA/56/9-11, which had to be taken together, and the extent to which No. 839 of the Radio Regulations was to be changed. The differences between the present text of No. 839 and proposal USA/56/10 were explained in paragraph 10. In particular, paragraph 10 d) defined "affected administrations" as those in respect of which certain values were exceeded: those values corresponded to the trigger values given in Section 3.13.9.3 of the CCIR Report to the Conference. The conclusions drawn in that report were also to be taken into account in the present context.

It was concluded in paragraph 12 of the document that the Conference was in principle competent to review No. 839 and revise it if necessary, under Conference agenda item 4, in which context No. 839 could be considered as having the character of a regulatory procedure; as such it would govern any agreement necessary between affected administrations. The Conference would thus have to decide whether it was necessary to revise No. 839 and, if so, how it should be revised, bearing in mind its nature as a footnote and, consequently, its link with Article 14. In that context, the proposed definition of "affected administrations" would conflict with the term as used in Article 14. Although the Conference was basically only dealing and competent to deal with space radiocommunication services and not terrestrial radiocommunication services, to which agreement with affected administrations also applied under Article 14, an exception could be made under Conference agenda item 12.

The legal advice was contained in paragraph 21 and concerned the competence issue only; the technical aspects of No. 839 had not been taken into account.

1.2 The delegate of the United States, thanking the Legal Adviser for his thoroughly researched legal opinion, welcomed the conclusion that the Conference was competent to review and revise as necessary a regulatory provision such as that contained in No. 839, and that it was also competent to insert an appropriate reference in Article 14. His Administration had made that proposal because it believed that it was necessary to simplify some of the administrative burden associated with the application of Aricle 14. A consequential amendment to that Article would be a very simple task.

1.3 The delegate of the USSR said that his understanding of the legal opinion differed from that of the United States. The Conference was competent to look through the footnotes of Article 14 and make any consequential amendment, but nothing had been said about the kind of decisions which could be taken by the Conference. Such decisions had to be within the terms of reference of the agenda, and the agenda made no reference to terrestrial services. His Delegation therefore maintained its opinion that the change would be a change of substance, primarily concerning terrestrial services.

1.4 The delegate of the Netherlands said that although he sympathised with the United States' proposal to simplify the procedures by including trigger values, he saw no need for an extensive revision of No. 839 at the present Conference and preferred to leave the footnote as it stood.

1.5 The delegate of Papua New Guinea said that he had previously supported the United States' proposal considering that the coordination process could be resolved if trigger values were included as a guideline.

1.6 The Chairman said that he took it that Papua New Guinea now considered that there was no need to revise No. 839 at the present Conference.

1.7 The delegate of the United States said that his Administration's proposal was in three parts, the issue under discussion in Committe 6 being the coordination thresholds. The other two parts should perhaps be discussed in Working Group 6-C. One was to change band limits to reflect not only the Board's opinion but also the Japanese proposal; the second dealt with subregional and national systems in relation to BSS and FSS. He understood that the BSS bands had been planned on the basis of national and subregional systems, and there was no need to mention them again. As far as the FSS was concerned, some satellites had been implemented which were neither subregional nor national and that issue should perhaps be considered separately on its merits. His Delegation would not insist on its proposal concerning coordination thresholds however.

1.8 The Chairman said that the withdrawal of the trigger values from the proposals would certainly simplify discussions.

1.9 The delegate of Argentina said that his Delegation had expressed its disagreement with the proposals in Working Group 6-C and wished to reiterate them in Committee 6. He also expressed the hope that the same conclusion would not be drawn in respect of other procedures being dealt with in Committee 6.

1.10 The Chairman suggested that trigger levels should no longer be discussed and that Working Group 6-C be allowed to discuss the rest of the United States' proposal on its merits. The concerns of Argentina would be taken into account when the results came back to Committee 6-C.

It was so agreed.

Document 311

1.11 The delegate of the United Kingdom, introducing the proposal to delete No. 792 on behalf of Belgium, the Netherlands, Norway and the United Kingdom, said that its purpose was to avoid a conflict in the Radio Regulations between the Allotment Plan being prepared for the FSS, which included the 300 MHz concerned and their national footnote.

It was agreed to supress No. 792.

Document 295(Rev.1) + Corr.1

It was agreed that the documents should be passed to Working Group 6-C for consideration.

Document 314

1.12 The Chairman explained that the Chairman of the Technical Working Group of the Plenary had passed the text of the draft Resolution on interim provisions to Committee 6 as a Resolution from the Technical Working Group in the hope that Committee 6 might agree to make only editorial changes in order to save the Conference time.

1.13 The delegate of the USSR proposed that draft Resolution [GT/PLEN/2] be passed to Working Group 6-C since it contained many difficulties.

It was so agreed.

Documents 324 + Corr.1, 327, 328, 329 and 330

It was agreed that the above documents should be passed to Working Group 6-B.

2. Report by the Chairman of Working Group 6-C (Documents 289, 305, 332)

2.1 The Chairman of Working Group 6-C said that his Working Group had the previous day agreed to a revised version of Recommendation COM6/B on international monitoring and emission of space stations, contained in Document 332. It had also considered in depth the proposal by a number of administrations concerning multiband/multiservice coordination procedures, and a Recommendation on that issue appeared in Document DT/81, which would be discussed later in the day. The major problem encountered concerned the feeder links for the mobile-satellite services. The matter had previously been submitted to Committee 6 where it had been discussed, but it had been referred back to the Working Group, with due regard of the sensitivities of the issue. The Group had discussed the matter at length the previous day, but had failed to reach consensus. The administrations making the proposal felt that a response was necessary to the Mobile WARC Recommendation to outline the special problems regarding feeder links for the mobile-satellite services, and believed that the Conference could deal with them. Other countries had indicated that the issue was premature, that nothing had happened since the Mobile WARC to give answers to the problem, and that it went beyond the Mobile WARC Recommendation. They also felt that the Conference was not obliged to take a decision at the present time and had drawn attention to discussions which had taken place in the Administrative Council and to ongoing work in the CCIR. The Working Group had discussed the matter at some length but decided to defer the item with a view to resuming it the following week. If no conclusion was reached at the next round of discussions, the matter would have to be referred to the Committee. However, it was to be hoped that administrations would work together to find some compromise.

As far as Conference agenda item 7 was concerned, proposals concerning footnotes relating to the use of the 10.7 and 11.7 GHz band had been discussed, but no consensus had been reached. It was to be hoped that the proposals could be considered again the following week. Other documents concerning inclined orbits and those allocated during the present meeting of the Committee would be discussed at the Group's meeting later in the day. In that connection, it was to be hoped that the Working Group would recognize the extensive work done by the Technical Working Group of the Plenary and mainly review the procedural issue.

Document 289 had been forwarded to Committee 5 with proposals concerning Resolution 34. It was noted that Document DT/34 had been issued and indicated that Committee 5 was examining the Resolution. The action requested of the Committee was, therefore, a formality.

2.2 The delegate of the USSR, referring to the document forwarded by the Chairman of the Technical Working Group of the Plenary, with the recommendation that it should not be discussed in depth, said that such action would not be appropriate because the Technical Working Group of the Plenary had done more than it had been asked, and had in fact encroached upon the field of activity of Committee 6 in producing a Resolution which was mainly procedural. Despite the large amount of work still outstanding in the Working Group, it would be necessary to discuss those documents in detail.

The observation made by the USSR was noted and it was agreed that Document 289 should be forwarded to Committee 5.

Document 305

2.3 The Chairman of Working Group 6-C, introduced the fifth report (Document 305), making a minor editorial correction to paragraph 3.1 and indicating that it would be necessary to amend paragraph 4.1 to reflect more accurately the sense of the discussion in the Working Group on India's proposals to add a new definition for a satellite network. Otherwise, the Working Group had reached decisions on the eight items listed in the annex to his report which he submitted for approval. A number of other items on which no agreement had been reached remained outstanding.

2.4 The Chairman suggested that the Committee take note of the report before considering the annex for approval.

2.5 The Vice-Chairman of the IFRB requested that in paragraph 4.1 of the report, the second sentence be amended to read:

> "In response to a specific inquiry, the representative of the IFRB clarified that, in accordance with the footnote to Resolution 4, no new coordination would be required for a co-located satellite for a given frequency assignment as long as there is no change in the frequency band(s) and technical characteristics."

2.6 The delegate of India said that because the footnote to Resolution 4 referred to only one satellite being in operation at any particular moment, he required clarification that when two co-located satellites operated simultaneously there would be no need for further coordination if there was no change in frequency bands or technical characteristics.

2.7 The Vice-Chairman of the IFRB said that Articles 11 and 13 did not refer to satellite vehicles but were applied to networks of space and earth stations using a given frequency assignment. That assignment could necessarily be used by only one space station at the same location. He had referred to the footnote to Resolution 4 because that was the only place in the Radio Regulations or the Final Acts of Conferences where an administration in a given orbital position was allowed to use a frequency assignment by replacing one space station with another without going through the coordination procedure, provided that it had the same frequency and technical characteristics.

2.8 The delegate of India said that he had no problem provided it was understood that no separate coordination was required if operation in the same frequency bands and with the same technical characteristics was carried out from two co-located space stations, even if both operated simultaneously.

2.9 The Vice-Chairman of the IFRB suggested that the point could be covered by adding to the second sentence of paragraph 4.1 the words "even if the station used is not in the same satellite."

2.10 The delegate of Japan suggested that the words "frequency band(s)" should be replaced by the words "assigned frequency".

The above amendments were approved.

The Committee took note of the fifth report of Working Group 6-C, as amended.

2.11 The Chairman invited the Committee to consider the eight decisions reached by Working Group 6-C itemized in the annex to Document 305.

2.12 The Vice-Chairman of the IFRB questioned the proposal in the Working Group's list to suppress Recommendation 2 (item 6) and recommended that it be retained.

2.13 The delegates of India and China and the Chairman of Working Group 6-A endorsed that position and the proposal was referred back to Working Group 6-C for reconsideration.

Document 332

2.14 The Chairman of Working Group 6-C, introducing his sixth report (Document 332), submitted the text of draft Recommendation [COM6/B] for consideration.

2.15 The delegate of France proposed that considering c) should be simplified by separating the final phrase "that monitoring information should assist the IFRB in discharging that function," and making it an additional paragraph.

It was so agreed.

2.16 The delegate of Argentina pointed out that considering d) referred to Recommendation 2, which Working Group 6-C had proposed to suppress.

2.17 The Chairman of Working Group 6-C and the Chairman agreed that even if Recommendation 2 was eventually suppressed, its text would remain available.

2.18 The Secretary-General said that to avoid any possible misunderstanding, it should be clearly realized that although such documents did remain in the archives, they were no longer valid from an operational or instructional point of view once they had been suppressed by a conference.

2.19 The delegate of Saudi Arabia suggested that the words "and invites administrations" be amended to read "and recommends administrations".

It was so agreed.

Draft Recommendation [COM6/B] was approved, as amended.

3. Sixth report by the Chairman of Working Group 6-B (Document 326)

3.1 The Chairman of Working Group 6-B, introducing his sixth report (Document 326), said that the reference to a DT document in paragraph 2, line 2 should be completed by adding the number 51. The Working Group's decisions on the amendment of Article 11, Sections III - V were submitted for consideration in the annex to the report. The Working Group had agreed that the modified title proposed for Article 11, Section III should be revised to read:

"Section III. Coordination of Frequency Assignments
to an Earth Station Operating in a Geostationary
or Non-Geostationary-Satellite Network in
Relation to Terrestrial Stations"

The Committee took note of the report.

3.2 The Chairman invited the Committee to consider the revised proposals for the amendment of Article 11, Sections III - V contained in the annex to Document 326.

3.3 The delegate of the United States proposed that the meaning of ADD 1111A d) should be clarified by adding the words "existing and future" before "assignments" in the first sentence.

It was so agreed.

3.4 The delegate of India asked why the Working Group was proposing the suppression of Nos. 1145 and 1146 of the Radio Regulations dealing with the notification of frequency assignments in the event of continuing disagreement.

3.5 The Vice-Chairman of the IFRB explained that the main reason for their suppression was that when there was a disagreement between earth station and terrestrial station administrations, the IFRB's provisional Rule No. 1126 on Article 11, (Document 18, pp. 146-151) required the terrestrial station administration to communicate to the Board its terrestrial stations which were to be brought into use within three years. The information received by the Board was to be kept in abeyance until the earth station was notified, when both it and the terrestrial stations would be considered, under provisional Rule 1536 (Document 18, pp. 183-184), as having been notified at the same date, with equal rights irrespective of the findings of one with respect to the other. In view of that treatment, there was no reason to defer the notification of the earth station. No. 1146 of the Radio Regulations had been adopted for the sake of uniformity in all the procedures, but had been rendered unnecessary by the introduction of provisional rule No. 1536 in 1979.

3.6 The delegate of the Federal Republic of Germany suggested that the presentation of the proposals should be amended to show clearly that they concerned Article 11, Sections IV and V, as well as Section III.

It was so agreed.

The decisions on the revision of Article 11 contained in the annex to Document 326 were approved as amended.

4. Oral report by the Chairman of Working Group 6-A

4.1 The Chairman of Working Group 6-A reported that his Group had had a lengthy and useful discussion on the document consolidating the Working Group's proposed changes to the Radio Regulations to provide for multilateral planning meetings (Document DT/73), which he had mentioned at the sixth meeting of the Committee. A revised version of the document would be considered at the Working Group's next meeting.

The meeting rose at 1030 hours.

The Secretary: The Chairman:

K. ARASTEH J.F. BROERE

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BLUE PAGES

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 352-E
1 October 1988

B.3(Corr.1)

PLENARY MEETING

3rd SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following texts are submitted to the Plenary Meeting for first reading:

Please replace the relevant sections of pages 1, 3 and 5 by the following.

P. ABOUDARHAM
Chairman of Committee 7

Annex: 2 pages

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

BLUE PAGES

Please replace page 1 by the following:

ARTICLE 11

MOD **Coordination of Frequency Assignments to Stations in a Space Radiocommunication Service Except Stations in the Broadcasting-Satellite Service and to Appropriate Terrestrial Stations**[1, 3, 4]

NOC **Section I. Procedures for the Advance Publication of Information on Planned Satellite Networks**[2]

NOC 1041 Publication of information

MOD 1042 § 1. (1) An administration (or one acting on behalf of a group of named administrations) which intends to bring into use a satellite network within a satellite system[5] shall, prior to the coordination procedure described in No. 1060 where applicable, send to the International Frequency Registration Board, not earlier than six years[6] and preferably not later than two years before the date of bringing into service of each satellite network, the information listed in Appendix 4.

MOD 1043 (2) Amendments to the information sent in accordance with the provisions of No. 1042 shall also be sent to the Board as soon as they become available. Modifications which are of such a nature as to significantly change the character of the network may require recommencing the advance publication procedure.

NOC A.11.1

NOC A.11.2

ADD A.11.3 [3] These procedures may be applicable for earth stations of the earth exploration satellite service, space research service, space operation service and radio determination satellite service intended to be used while in motion or during halts at unspecified points.

ADD A.11.4 [4] For the application of the provisions of this Article with respect to stations in a space radiocommunication service using frequency bands covered by the fixed-satellite service Allotment Plan, see also Appendix [30B] and [Resolution COM4/...].

ADD 1042.1 [5] For the use of frequency bands which are not covered by the fixed-satellite service Allotment Plan, see also Appendix [30B] and [Resolution COM4/...]

ADD 1042.2 [6] See also MOD 1550.

Page 3: insert the following text in No. 1051:

MOD 1051

a) the administration responsible for the planned network shall first explore all possible means of meeting its requirements, taking into account the characteristics of the geostationary-satellite networks of other systems, and without considering the possibility of adjustment to networks of other administrations. If no such means can be found, the administration concerned may then request other administrations, either bilaterally or multilaterally, or in exceptional circumstances through the convening of multilateral meetings similar to that provided for in No. 1085C, to mutually help resolve these difficulties.

Page 5: replace the text of Section II by the following:

Section II. Coordination of Frequency Assignments to a Space Station on a Geostationary Satellite or an Earth Station Communicating with Such a Space Station using Frequency Bands other than Those Covered by the Fixed-Satellite Service Allotment Plan in Relation to Stations of Other Geostationary-Satellite Networks

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

BLUE PAGES

Document 352-E
26 September 1988

B.3

PLENARY MEETING

3rd SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following texts are submitted to the Plenary Meeting for first reading:

Source	Document	Title
COM.6	304(317)	Article 11, Sections I and II
	326(343)	Article 11, Sections III and IV
	294(317)	Article 29, Section III
COM.5	281(316))	Article 8, Nos. 480, 792
COM.6	311(343))	
	332(343)	Recommendation COM6/B
	305, 326(343)	Resolutions and Recommendations

Note from the Chairman of Committee 7: Following the decisions of the Plenary Meeting of 22 September 1988, Delegations are reminded that, in order to save time for the Conference, they may address any comments concerning minor changes to the texts under consideration (such as typing errors, spelling mistakes or stylistic improvements) to the Editorial Committee:

- Mr. Aboudarham pigeon-hole 547
- Mr. Cross pigeon-hole 1028
- Secretariat Office J132

P. ABOUDARHAM
Chairman of Committee 7

Annex: 16 pages

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ARTICLE 11

[NOC] **Coordination of Frequency Assignments to Stations in a Space Radiocommunication Service Except Stations in the Broadcasting-Satellite Service and to Appropriate Terrestrial Stations**[1] *

NOC **Section I. Procedures for the Advance Publication of Information on Planned Satellite Networks**[2]

NOC 1041 Publication of information

MOD 1042 § 1. (1) An administration (or one acting on behalf of a group of named administrations) which intends to bring into use a satellite network within a satellite system in a frequency band not listed in No. [ ] shall, prior to the coordination procedure described in No. 1060 where applicable, send to the International Frequency Registration Board, not earlier than six years[3] and preferably not later than two years before the date of bringing into service of each satellite network the information listed in Appendix 4.

MOD 1043 (2) Amendments to the information sent in accordance with the provisions of No. 1042 shall also be sent to the Board as soon as they become available. Modifications which are of such a nature as to significantly change the character of the network may require recommencing the advance publication procedure.

NOC A.11.1 Orb-85 [1] For the coordination of frequency assignments to stations in the broadcasting-satellite service and other services in the frequency bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2) as well as the coordination of frequency assignments to feeder-link stations utilizing the fixed-satellite service (Earth-to-space) in the frequency band 17.3 - 17.8 GHz (in Region 2) and other services in these bands in Region 2, see also Article 15 and Article 15A respectively. *

NOC A.11.2

ADD 1042.1 [3] See also [MOD]1550.

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* Note by Committee 6: The subject matter related to this item is presently under consideration in other Committees or Working Groups.

MOD 1044 (3) If the information is found to be incomplete, the Board shall immediately seek from the administration concerned any clarification and information not provided.

On receipt of the complete information sent under Nos. 1042 and 1043, the Board shall publish it in a special section of its weekly circular within 3 months and shall also, when the weekly circular contains such information, so advise all administrations by circular telegram. The circular telegram shall indicate the frequency bands to be used and, in the case of a geostationary satellite, the orbital location of the space station. When the Board is not in a position to comply with the time limit referred to above, it shall periodically so inform the administrations giving the reasons therefore.

SUP 1045

NOC 1046 Comments on published information

MOD 1047 § 2. If, after studying the information published under No. 1044, any administration is of the opinion that interference which may be unacceptable may be caused to assignments of its existing or planned satellite network, it shall, within four months after the date of the weekly circular containing the complete information listed in Appendix 4, send the administration concerned its comments on the particulars of the interference to its existing or planned satellite systems. A copy of these comments shall also be sent to the Board. If no such comments are received from an administration within the period mentioned above, it may be assumed that the administration has no basic objections to the planned satellite network(s) of that system on which details have been published.

ADD 1047A An administration sending information under No. 1042 and No. 1043 may request the assistance of the Board in determining, with the aid of Appendix 29, if its planned network could affect or be affected by other satellite networks for which complete Appendix 4 information has been received by the Board.

ADD 1047B An administration receiving information published under No. 1044 may request the assistance of the Board in identifying with the aid of Appendix 29, whether its existing or planned networks for which complete Appendix 4 information has been sent to the Board could affect or be affected by the planned network.

NOC 1048 Resolution of difficulties

MOD 1049 § 3. (1) An administration receiving comments sent in accordance with No. 1047 and administrations sending such comments shall endeavour to resolve any difficulties that may arise and shall provide any additional information that may be available.

NOC 1050

1051 [pending]

NOC 1052

MOD 1053 c) if, after following the procedure described in Nos. 1051 and 1052, there are unresolved difficulties, the administrations concerned shall together make every possible effort to resolve these difficulties by means of mutually acceptable adjustments, for example, to geostationary space station locations and to other characteristics of the networks involved in order to provide for the normal operation of both the planned and existing networks.

MOD 1054 (3) In their attempts to resolve the difficulties mentioned above, administrations may seek the Board's assistance which may consist of:

ADD 1054A a) evaluating the levels of interference;

ADD 1054B b) defining, with the agreement of the administrations concerned, the method and criteria to be used;

ADD 1054C c) making arrangements to facilitate discussions as mutually agreed by the administrations concerned.

ADD 1054D In seeking the assistance of the Board, the administration(s) concerned shall send the details of the comments which have given rise to the difficulties and make any suggestions that it (they) may consider useful.

NOC 1055 Results of advance publication

MOD 1056 § 4. An administration on behalf of which details of planned satellite networks have been published in accordance with the provisions of Nos. 1042 to 1044 shall, after the period of four months specified in No. 1047, inform the Board whether or not comments provided for in No. 1047 have been received and of the progress made in resolving any difficulties. Additional information on the progress made in resolving any remaining difficulties shall be sent to the Board at intervals not exceeding six months prior to the commencement of coordination or the sending of the notices to the Board. The Board shall publish this information in the special section of its weekly circular specified in No. 1044 and shall also, when the weekly circular contains such information, so inform all administrations by circular telegram.

ADD 1056A When, upon expiry of a period of six years plus the extension provided for in No. [MOD]1550 after the date of the publication of the special section referred to in No. 1044, the administration responsible for the network has not submitted the Appendix 3 information for coordination under No. 1060 or for notification under No. 1488, as appropriate, the information published under No. 1044 shall be cancelled subject to the agreement of the administration concerned.

NOC 1057 Commencement of Coordination or Notification Procedures

SUP 1058

ADD 1058A § 5 (1) When communicating to the Board the information referred to in No. 1042, an administration may, at the same time or at a later time, communicate:

ADD 1058B a) the information required for the network coordination of a frequency assignment to a station pertaining to a geostationary-satellite network in accordance with the provisions of No. 1074, including the copy of the request for coordination sent to any other administration; this information will be treated in accordance with the provisions of Section II of this Article; or

ADD 1058C b) the information required for notification of a frequency assignment to a station of a geostationary-satellite network when coordination for that assignment is not required; or

ADD 1058D c) the information required for notification of a frequency assignment to a station of a non-geostationary-satellite network.

ADD 1058E The coordination or notification information, as the case may be, shall be considered as having been received by the Board not earlier than six months after the date of receipt of the information referred to in No. 1042.

Section II. Coordination of Frequency Assignments to a Space Station on a Geostationary Satellite or an Earth Station Communicating with Such a Space Station in Relation to Stations of Other Geostationary-Satellite Networks *

NOC 1059 Requirement for Coordination

MOD 1060 § 6. (1) Before an administration (or one acting on behalf of one or more named administrations) notifies to the Board or brings into use any frequency assignment to a space station on a geostationary satellite or to an earth station that is to communicate with a space station on a geostationary satellite, it shall, except in the cases described in Nos. 1066 to 1071, effect coordination of the assignment with any other administration whose assignment, for a space station on a geostationary satellite or for an earth station that communicates with a space station on a geostationary satellite, might be affected.

ADD 1060A Coordination under No. 1060 may be effected for a satellite network using the information relating to the space station, including its service area, and the parameters of one or more typical earth stations which may be located in all or part of the space station service area.

ADD 1060AA A frequency assignment to a space station on a geostationary satellite cannot be recorded by the Board in the Master Register unless this coordination has been effected. **

MOD 1061 (2) Frequency assignments to be taken into account in the application of No. 1060 are those in the same frequency band as the planned assignment, pertaining to the same service or to another service to which the band is allocated with equal rights or a higher category of allocation (see Nos. 420-425 and 435), and which are:

MOD 1062 a) in conformity with No. 1503; and

NOC 1063

MOD 1064 c) included in the coordination procedure with effect from the date of receipt[1] by the Board, in accordance with No. 1074, of the relevant information as specified in Appendix 3; or

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ADD 1064.1 [1] See No. 1058E concerning the date to be considered as the date of receipt by the Board of the information relating to the coordination of a satellite network or a notification of a frequency assignment.

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* Note by Committee 6: The subject matter related to this item is presently under consideration in other Committees or Working Groups.

** No agreement was reached in Committee 6 on this subject.

MOD 1065 d) already notified to the Board without any coordination in those cases where Nos. 1066 to 1071 apply.

NOC 1066

ADD 1066A aa) when an administration proposes to notify or bring into use, within the service area of the existing satellite network, a typical earth station or an earth station which would not cause or suffer interference of a level greater than the typical earth station;

MOD 1067 a) when the use of a new frequency assignment will cause, to any service of another administration, an increase in the noise temperature of any space station receiver or earth station receiver, or an increase in the equivalent satellite link noise temperature, as appropriate, calculated in accordance with the method given in Appendix 29, which does not exceed the threshold value[s] defined therein;

NOC 1068

MOD 1069 c) when an administration proposes to notify or bring into use a new earth station which would not cause or suffer interference of a level greater than that which would be caused by an earth station belonging to the same satellite network and whose characteristics have been published in accordance with No. 1078, or notified to the Board without coordination in those cases where coordination was not required;

NOC 1070 - 1071

NOC 1072 <u>Coordination Data</u>

MOD 1073 § 7. (1) For the purpose of effecting coordination, the administration requesting coordination shall send to any other administration concerned under No. 1060 all the information listed in Appendix 3 required for coordination including the characteristics of one or more typical earth stations and the respective areas in which they may be located. The request concerning coordination of a network may specify all or some of the frequency assignments expected to be used by the stations of the satellite network.

MOD 1074 (2) The administration requesting coordination shall at the same time send to the Board a copy of the request for coordination, with all the information listed in Appendix 3 required for coordination and the name(s) of the administration(s) with which coordination is sought. The Board shall immediately acknowledge the receipt of this information.

ADD 1074A (3) An administration believing that the provisions of Nos. 1066 to 1071 apply to its planned assignments may send to the Board the relevant information listed in Appendix 3, either under No. 1074 for publication or in accordance with Nos. 1488 to 1491.

MOD 1075 § 8. (1) On the receipt of the complete information referred to in No. 1074, the Board shall:

MOD 1076 a) immediately examine this information with respect to its conformity with No. 1503 and, as soon as possible, send a telegram to all administrations indicating the identity of the satellite network, its findings with respect to No. 1503 and the date of receipt[1] of the information; this date shall be considered as the date from which the assignment will be taken into account for coordination;

ADD 1076.1 [1] See No. 1058E concerning the date to be considered as the date of receipt by the Board of the information relating to the coordination of a satellite network or a notification of a frequency assignment.

NOC 1077

MOD 1078 c) publish in the special section of its weekly circular referred to in No. 1044, within three months, the information received under No. 1074 and the result of the examination under Nos. 1076 and 1077, together with a reference to the weekly circular in which details of the satellite network were published in accordance with Section I of this Article. When the weekly circular contains such information, the Board shall so inform all administrations by circular telegram. When the Board is not in a position to comply with the time limit referred to above, it shall, periodically, so inform the administrations giving the reasons therefor.

ADD 1078A (2) If the information is found to be incomplete, the Board shall immediately seek from the administration concerned any clarification and information not provided.

NOC 1079 - 1082

NOC 1083 Examination of Coordination Data and Agreement Between Administrations

MOD 1084 § 11. (1) On receipt of the coordination data, an administration shall promptly examine the matter with regard to interference[1] which would be caused to the frequency assignments of its network in respect of which coordination is sought under No. 1060 or caused by these assignments. In so doing, it shall have regard to the proposed date of bringing into use of the assignment for which coordination was requested. It shall then, within four months from the date of the relevant weekly circular, notify the administration requesting coordination of its agreement. If, however, the administration with which coordination is sought does not agree, it shall, within the same period, send to the administration seeking coordination the technical details upon which its disagreement is based, including those relevant characteristics contained in Appendix 3 which have not previously been notified to the Board, and make such suggestions as it is able to offer with a view to a satisfactory solution of the problem. A copy of these comments shall also be sent to the Board.

MOD 1084.1 [1] In the absence of specific provisions relating to the evaluation of the interference, the calculation methods and the criteria should be based on relevant CCIR Recommendations agreed by the administrations concerned either as a result of Resolution 703 or otherwise. In the event of disagreement on a CCIR Recommendation or in the absence of such Recommendations, the methods and criteria shall be agreed between the administrations concerned. Such agreements shall be concluded without prejudice to other administrations.

MOD 1085 (2) Either the administration seeking coordination or an administration with which coordination is sought may request additional information which it may require to assess the interference to assignments of the network concerned.

ADD 1085A (3) Affected administrations as well as the administration seeking coordination shall make all possible mutual efforts to overcome the difficulties, such as by means of changes acceptable to the parties concerned.

ADD 1085B All administrations may use correspondence, any appropriate means of telecommunication, or bilateral or multilateral meetings, as necessary, to effect coordination with any other administration. The results thereof shall be communicated to the Board in accordance with No. 1087.

NOC 1086 Results of Coordination

MOD 1087 § 12. (1) An administration which has initiated a coordination procedure under the provisions of Nos. 1060 to 1074 shall communicate to the Board, on expiry of the period of four months following the date of the relevant weekly circular mentioned in No. 1078, the names of the administrations with which an agreement has been reached. It shall also inform the Board of the progress made in effecting coordination with the other administrations or of any difficulties. Such a communication shall be made to the Board every six months after the above-mentioned period. The Board shall publish this information in the special section of its weekly circular referred to in No. 1044.

ADD 1087A (2) An administration which initiated the coordination, as well as any administration with which coordination is sought, shall communicate to the Board any modifications to the published characteristics of their respective networks that were required to reach agreement on the coordination. The Board shall publish this information in accordance with No. 1078, indicating that these modifications resulted from the joint effort of the administrations concerned to reach agreement on coordination and for this reason they should be given special consideration.

NOC 1088 Requests to the IFRB for Assistance in Effecting Coordination

NOC 1089 - 1091

ADD 1091A b)bis a bilateral or multilateral meeting is required to achieve coordination and the administration concerned experiences difficulties in making arrangements for it;

NOC 1092

(MOD) 1093 d) coordination is not possible for any other reason.

MOD 1094 (2) In so doing, the administration shall provide the necessary information to enable the Board to endeavour to effect such coordination.

NOC 1095 Action to be taken by the IFRB

NOC 1096 - 1098

ADD 1098A (3bis) Where the Board receives a request under No. 1091A, it shall take appropriate steps to facilitate the holding of such meetings when all parties concerned agree and shall also provide requested assistance that may help in achieving coordination.

NOC 1099

MOD 1100 (5) The Board may request additional information which it may require to assess the interference to assignments of the network concerned.

MOD 1101 (6) Where an administration fails to reply within thirty days of dispatch of the Board's telegram requesting acknowledgement sent under No. 1096, or fails to give a decision in the matter within thirty days of dispatch of the Board's telegram of request under No. 1097, or fails to reply to the Board's requests made in application of No. 1098A, it shall be deemed that the administration with which coordination was sought has undertaken:

MOD 1102 a) that no complaint will be made in respect of any harmful interference affecting the services rendered by its space radiocommunication stations which may be caused by the use of the assignment to a station of the satellite network for which coordination was requested;

MOD 1103 b) that its space radiocommunication stations will not cause harmful interference to the satellite network assignment for which coordination was requested.

SUP 1104 - 1105

MOD **Section III. Coordination of Frequency Assignments to an Earth Station Operating in a Geostationary or Non-Geostationary Satellite Network in Relation to Terrestrial Stations**

NOC 1106 - 1111

ADD 1111A

d) to bring into use a new frequency assignment to a receiving earth station and the notifying administration states that it accepts the interference resulting from existing and future terrestrial station assignments. In such a case, administrations responsible for the terrestrial stations are not required to apply the provisions of Section IV of this Article.

NOC 1112 - 1117

MOD 1118

a) interference[1] which would affect the service rendered by its terrestrial radiocommunication stations operating in accordance with the Convention and these Regulations, or to be so operated prior to the planned date of bringing the earth station assignment into service, or within the next three years, whichever is the longer; and

NOC 1119 - 1142

MOD 1118.1
1119.1

[1] In the absence of specific provisions relating to the evaluation of the interference, the calculation methods and the criteria should be based on relevant CCIR Recommendations agreed by the administrations concerned either as result of Resolution 703 or otherwise. In the event of disagreement on a CCIR Recommendation or in the absence of such Recommendations, the methods and criteria shall be agreed between the administrations concerned. Such agreements shall be concluded without prejudice to other administrations.

MOD 1143 a) that no complaint will be made in respect of any harmful interference affecting the services rendered by its terrestrial stations which may be caused by the use of the assignment for which coordination was requested;

MOD 1144 b) that its terrestrial stations will not cause harmful interference to the frequency assignment for which coordination was requested.

SUP 1145

SUP 1146

NOC **Section IV. Coordination of Frequency Assignments to a Terrestrial Station for Transmission in Relation to an Earth Station**

NOC 1147 - 1163

MOD 1164 § 26. (1) On receipt of the coordination data, the administration with which coordination is sought shall promptly examine the matter with regard to interference[1] which would affect the services rendered by its earth stations covered by Nos. 1148 to 1154, which are operating, or are to be operated, within the next three years.

NOC 1165

MOD 1166 (3) The administration with which coordination is sought shall, within an overall period of four months[2] from dispatch of the coordination data, either notify the administration requesting coordination of its agreement to the proposed assignment or, if this is not possible, indicate the reasons for its objection and make such suggestions as it may be able to offer with a view to a satisfactory solution of the problem.

MOD 1167 § 27. Either the administration seeking coordination or the administration with which coordination is sought may request additional information which it may require to assess the interference to assignments of the network concerned.

NOC 1168 - 1188

NOC 1164.1
NOC 1166.1

ARTICLE 29

**Special Rules Relating to
Space Radiocommunication Services**

NOC **Section III. Station Keeping of Space Stations**[1]

NOC 2615 - 2619

MOD A.29 S.III.1 [1] In the case of space stations on board geosynchronous satellites with circular orbits having an angle of inclination greater than 5 degrees, the positional tolerance shall relate to the nodal point.

NOC 2615.1 and 2619.1

ARTICLE 8

MOD 480 In Region 2, the use of the band 1 605 - 1 705 kHz by stations of the broadcasting service is subject to the Plan established by the Regional Administrative Radio Conference (Rio de Janeiro, 1988).

In Region 2, in the band 1 625 - 1 705 kHz, the relationship between the broadcasting, fixed and mobile services is shown in No. 419. However, the examination of frequency assignments to stations of the fixed and mobile services in the band 1 625 - 1 705 kHz under No. 1241 shall take account of the allotments appearing in the Plan established by the Regional Administrative Radio Conference (Rio de Janeiro, 1988).

SUP 792

RECOMMENDATION COM6/B

International Monitoring of Emissions Originating from Space Stations

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the geostationary-satellite orbit and the radio-frequency spectrum are limited natural resources and are being increasingly utilized by space services;

b) that it is desirable to ensure efficient and economical use of the radio frequency spectrum and geostationary-satellite orbit and also to eliminate harmful interference;

c) the provisions of the Radio Regulations, under which the IFRB shall review the entries in the Master International Frequency Register with a view to bringing them into conformity, to the maximum extent practicable, with the actual use being made of the radio spectrum;

d) that monitoring information obtained should assist the IFRB in discharging that function;

e) Recommendation 2 relating to the examination by world administrative radio conferences of the situation with regard to occupation of the frequency spectrum in space radiocommunications;

f) that facilities for monitoring of emissions originating from space stations may be expensive;

noting

that the CCIR is studying the question of monitoring of radio emissions from spacecraft at fixed monitoring stations and CCIR Report 276-5 contains current results of these studies;

invites the CCIR

to continue the studies in collaboration with the IFRB and to provide technical guidelines concerning the space monitoring facilities;

recommends administrations

1. to participate in the CCIR studies concerning the possible development of guidelines for space monitoring facilities;

2. to consider the various aspects of monitoring the emissions originating from space stations to enable the provisions of Article 20 of the Radio Regulations to be applied.

SUP Resolution 3

NOC Resolution 6

NOC Resolution 15

SUP Resolution 100

NOC Resolution 205(Rev.Mob-87)

NOC Resolution 208(Mob-87)

NOC Resolution 642

NOC Recommendation 67

NOC Recommendation 700

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 353-E
27 September 1988
Original: French

COMMITTEE 2

THIRD REPORT OF WORKING GROUP 2-A TO COMMITTEE 2

1. The Working Group of Committee 2 (Credentials), at its third meeting on 26 September 1988, examined the powers of the following Delegations:

Algeria (People's Democratic Republic of)
Angola (People's Republic of)
Antigua and Barbuda
Bahamas (Commonwealth of the)
Brunei Darussalam
United Arab Emirates
Spain
Iraq (Republic of)
Nigeria (Federal Republic of)
Syrian Arab Republic

2. All the above credentials are in order.

S. SISSOKO
Chairman of Working Group 2-A

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 354-E
30 September 1988
Original: French/
English

PLENARY MEETING

MINUTES

OF THE

FIFTH PLENARY MEETING

1. Paragraph 3.3

Amend the final sentence to read: " ... with a view to a decision by a future competent Conference ..."

2. Paragraph 5.1

Add at the end of the paragraph "within the limits imposed by time constraints."

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 354-E
28 September 1988
Original: English

PLENARY MEETING

MINUTES

OF THE

FIFTH PLENARY MEETING

Thursday, 22 September 1988, at 1600 hrs

Chairman: Prof. Dr. I. STOJANOVIĆ (Yugoslavia)

Subjects discussed:		Documents
1.	Approval of the minutes of the Third and Fourth Plenary Meetings	215(Rev.1), 271
2.	Oral reports by the Chairmen of Committees on the progress of their work	
3.	Texts submitted by the Editorial Committee to the Plenary Meeting for first reading (B.1(Rev.) B.2)	255(Rev.1), 303
4.	Progress of the Conference	
5.	Completion of the work of Working Group 4-B	

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1. Approval of the minutes of the Third and Fourth Plenary Meetings
(Document 215(Rev.1) and 271)

The Minutes of the Third Plenary Meeting, as contained in Document 215(Rev.1), were approved, subject to amendments submitted by the delegates of the United Kingdom, Indonesia and Colombia (see Corrigendum 1 to Document 215(Rev.1)).

The Minutes of the Fourth Plenary Meeting, as contained in Document 271, were approved as amended by the Chairman of Committee 4 (see Corrigendum 1 to Document 271).

2. Oral reports by Chairmen of Committees on the progress of their work

2.1 The Chairman of Committee 2, referring to Document 293, reported that the credentials of a further number of 32 Delegations had so far been examined.

2.2 The Chairman of Committee 3 said that the budgetary margin had increased to 120,000 Swiss francs as a result of various efforts to keep expenditure down.

2.3 The Chairman of Committee 4 said that the Committee had met on several occasions since the previous Plenary Meeting and that Working Group 4-B had met immediately prior to it to take decisions relating to special requirements. Sub-Working Group 4-B-1 would be reporting on the development of the Plan directly to Committee 4. The draft Plan, contained in Document 307, took into account basic requirements and those linked to special geographical situations. The next stage would be to consider compatibility between Parts A and B of the Plan, as well as the means of improving situations where angles of elevation were marginal. He expressed his gratitude to the Chairman of Working Group 4-B for all his efforts.

Work in Working Group 4-C was continuing. A procedure for implementation of subregional systems through the combining of allotments had already been adopted. Texts of procedures to modify and convert allotments as well as those relating to the interaction of Parts A and B of the Plan were also under consideration. He drew the attention of delegates to the importance of the work currently being undertaken by that Working Group, as many important aspects of the Plan were now closely related to the procedures.

An approach on predetermined arcs had been adopted the previous day in Committee 4 to provide for flexibility, inter alia to accommodate subregional systems.

2.4 The delegate of Tanzania made the following statement:

"My Administration highly appreciates the excellent work being performed by the Chairman of Committee 4 particularly in trying to ensure equitable access to the geostationary orbit.

This task is very difficult and therefore the only way of achieving any positive result is through mutual concessions and understanding by all countries of the World.

This spirit of understanding is of paramount importance in all successful decisions of conferences such as this one.

My Administration realizes that there are two distinct groups of administrations involved in the deliberations of this important Conference, namely, developing countries and developed countries. The factors that contribute to this necessary classification are known to all of us in this Conference. However, the most relevant and most important factor is the one of resources.

Developing countries are deficient in most, if not all the resources required for development. Consequently, the ability to participate effectively in the exploitation of natural resources, such as the GSO is considered suspect.

This notwithstanding, however, there is a moral responsibility for all nations of the World to recognize that the GSO is a resource for all nations of the World - poor and rich; and that equitable sharing of the resource is an integral element of international cooperation and harmony.

My Administration considers it necessary that an agreement has to be reached on the use of the GSO for all nations of the World on an equitable basis without any prejudice, whether on the basis of technological advancement or otherwise.

A lot of concessions have already been made by developing countries in order to reach an agreement on the matter. One such concession is that of subregional systems not being considered as allotments in the Allotment Plan. My Administration considers this sacrifice by developing countries to be unprecedented.

In fact, most of the concessions by developing countries have significant cost implications - all these in the spirit of cooperation and understanding.

My Administration notes with grave concern, however, that this concessionary attitude is not being reciprocated by some Members of the developed countries. Their reluctance to concessions have to a great extent affected the decision making process in Committee 4.

This situation is indeed discouraging, particularly, when we note that the time left for the Conference is short indeed.

My Administration therefore wishes to put this observation on record and accordingly reserves its position on the deliberations of the work of Committee 4."

2.5 The delegate of Zimbabwe endorsed that statement and expressed a similar reservation.

2.6 The delegate of the United States complimented the Chairman and Vice-Chairman of Committee 4 on their efforts, particularly those to build flexibility into the Plan. His Administration was a strong supporter of the concept of predetermined arcs and in particular of common overlapping arcs. It had hoped that it would be possible to group compatible administrations in common arc segments and thereby improve the quality of the Plan. It now found, however, that because of constraints placed upon the Plan, it was unlikely that the NASARC programme would be able to produce the required results and at the same time take into account special requirements imposed on the planning process. Nonetheless, he urged the Conference to continue efforts to ensure the benefits that came from flexibility through an approach involving predetermined arcs.

2.7 The Chairman of Committee 5 said that the last round of adjustments were being made to the Plan, which should shortly be available in final form. Despite a number of problems connected with procedures associated with the Plan as well as some pending questions on sound broadcasting from satellite and high-definition television it was expected that solutions would be found and the ensuing texts made available very shortly.

2.8 The Chairman of Committee 6 said that the Committee, which had so far met six times, had made good progress. Concerning improved procedures, the Committee had agreed that the Conference should adopt appropriate provisions to introduce MPMs as one of the methods for ensuring equitable access to GSO, that such provisions should incorporate the principles adopted at the First Session, and that they should reflect as far as possible the proposals and concerns of all administrations. Concerning simplified procedures, the Committee had adopted texts for modified sections of Article 11 to be forwarded to the Editorial Committee.

Working Group 6-B and its Sub-Working Groups were making satisfactory progress on Articles 13 and 14 and Appendices 3 and 4.

2.9 The Chairman of Committee 7 said that the Committee had begun its work slowly and so far had only a few texts to submit to the Plenary. He appealed to Chairmen of Committees to ensure that documents were conveyed to the Editorial Committee in the customary form.

2.10 The Chairman of the Working Group of the Plenary said that the Working Group had met four times since the last Plenary Meeting and was making good progress in coordinating the relevant technical issues. A list of the main issues was contained in Document 210 and discussion had already been completed on a number of items.

3. First and second series of texts submitted by the Editorial Committee to the Plenary for first reading (Series B.1(Rev.) Series B.2) (Documents 255(Rev.1) and 303)

Document 255(Rev.1)

Appendix 28

Approved.

Appendix 29

3.1 The delegate of France drew attention to the fact that his Delegation had made a reservation in connection with amendments to Appendix 29. The Secretary-General observed that the reservation was reported in Document 204.

Appendix 29 was approved with that reservation.

Resolution GT-PLEN/1

3.2 The delegate of Mexico, supported by the delegate of Paraguay, proposed that in invites the CCIR the word "relevant" should be deleted and the bands specified in order to avoid any misunderstanding.

3.3 The delegate of the Islamic Republic of Iran pointed out that it was not stated for how long the CCIR should continue the studies mentioned. The Director of the CCIR observed that some guidance in that respect seemed to be implicit in considering a). The Secretary-General suggested that wording such as "with a view to a decision by a competent Conference" might satisfy the concern expressed on that point.

It was so agreed, and the Resolution was approved as amended.

Document 303

3.4 The Chairman of Committee 7 said that on the cover page "Article 27" should be replaced by "Chapter VIII" and that in the associated text, the same change should be made and the text preceding the asterisk deleted.

Article 1

ADD 168A

3.5 In reply to a question from the delegate of the Federal Republic of Germany, the Chairman of Committee 7 said that, following discussion in his Committee, it had been decided that the word "contiguous" before "area" was to be deleted.

ADD 183

3.6 The delegates of Paraguay and Mexico requested that the Spanish text for "Steerable satellite beam" should be aligned with the French text.

Article 1 was approved with those amendments.

Article 8

Approved.

Chapter VIII

Approved, as amended by the Chairman of the Editorial Committee.

Resolution COM6/1

3.7 The delegate of Paraguay, referring to considering c), requested that the Spanish equivalent of "geostationary-satellite orbit" should be aligned with the other languages in such a way to avoid any ambiguity.

The Resolution was approved on that understanding.

The first and second series of texts submitted by the Editorial Committee were approved, as amended, on first reading.

4. Progress of the Conference

4.1 The Secretary-General, referring to previous interventions in the context of the work of Committee 4, warned that some of the original purpose of calling a Conference to produce a Plan with reasonable flexibility might be lost if an increasing number of constraints were introduced. In addition, he drew attention to the importance of establishing a proper definition of subregional systems, in accordance with the content of paragraph 3.3.4.1 of the Report of the First Session. There was a risk of moving to forms of multi-adminstration international service systems and imposing greater constraints, and discussions in parts of the Conference showed the need for clarification of the intent of the Allotment Plan in this regard.

He urged delegates to be mindful that there had been delay in the progress of the Conference and pointed out that a significant amount of work remained to be done in a relatively short time.

4.2 The Vice-Chairman of the IFRB, referring to the question of subregional and multi-administration systems, observed that under current regulations, the IFRB was required to consider a multi-administration system as one notified by one or more administrations. If a different approach were to be considered by the Conference, it would be necessary to establish a difference between such systems.

4.3 The delegate of Qatar warned against the consequences of introducing artificially created special requirements which were not the result of scientific considerations. He suggested that administrations might be invited to reconsider in order to eliminate any such artificial or unjustifiable special requirements and that the Plenary might give appropriate advice on the matter to the Chairman of Committee 4.

4.4 The delegate of Mexico shared the concern expressed about the amount of work which remained for the Conference to complete and suggested that it might be helpful to set a deadline for the submission of new proposals.

5. Completion of the work of Working Group 4-B

5.1 The Chairman of Working Group 4-B said that as the Working Group had completed its work, he wished to thank all delegates for having cooperated in efforts to resolve the considerable problems confronting the Committee. At times, he had been a hard task master but that had been a consequence of his determination to obtain satisfactory results.

5.2 The Chairman thanked the Chairman of Working Group 4-B for all the efforts he had made.

The meeting rose at 1730 hours.

The Secretary-General:
R.E. BUTLER

The Chairman:
Prof. Dr. I.STOJANOVIC

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 355-E
26 September 1988
Original: English

COMMITTEE 6

EIGHTH REPORT OF THE CHAIRMAN OF WORKING GROUP 6-C TO THE CHAIRMAN OF COMMITTEE 6

1. Working Group 6-C held its seventh and eighth meetings on 23 and 24 September 1988, respectively. During these meetings, consideration continued on the tasks assigned to the Working Groups with the following results.

2. Working Group 6-C ad hoc 3

2.1 After three meetings, the ad hoc Group, chaired by Mr. Matsumoto (Japan) was able to reach agreement on a Recommendation relating to monitoring of emissions originating from space stations (see Document DT/40).

2.2 The draft Recommendation in Document 267(Rev.1) was adopted by Working Group 6-C at its seventh meeting. The text was submitted to Committee 6 as the sixth report in Document 332.

3. Recommendation on multi-band multiservice satellite networks

3.1 The proposals contained in Document DT/34 were reviewed at an earlier meeting of the Working Group. A later proposal, contained in Document 278, was examined at the seventh meeting, resulting in Document DT/81. That text was reviewed and approved, and was submitted to Committee 6 in Document 338, as the seventh report.

3.2 Committee 6 may wish to note that the title of the Recommendation and a portion of considering a) were modified in order to align the texts in the three languages.

4. Recommendation 2

4.1 The Working Group had previously submitted its view to SUP Recommendation 2 (Annex to Document 305). As discussed at Committee 6 at its seventh meeting, the Working Group was requested to review its earlier decision, based on the premise that other Resolutions or Recommendations of this Conference would make reference to Recommendation 2.

4.2 Based on this discussion, the Working Group, at its eighth meeting, agreed that Recommendation 2 should be retained without change. This decision is submitted to Committee 6 (in the annex) for consideration.

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5. Items remaining

5.1 As mentioned at the seventh meeting of Committee 6, a number of issues remain under discussion in the Working Group. The two Resolutions referred to Committee 6 by the Working Group of the Plenary on inclination limits of orbits of geostationary space (Documents 295(Rev.1) + Corr.1 and 314) have been discussed, on a general basis, at two meetings. While there seems to be general consensus on the need for a Recommendation for CCIR to continue its study on the subject matter, further effort will be needed to review the procedural issues.

5.2 Other pending topics include the issue of feeder links for the mobile-satellite service, definitions in Article 1, footnotes to the Allocations Table in Article 8, Article 27 consequential amendments and agenda item 7, the use of the 11.7 - 12.7 GHz band.

L.M. PALMER
Chairman of Working Group 6-C

Annex: 1

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 356-E
1 October 1988
Original: English

COMMITTEE 5

SUMMARY RECORD

OF THE

EIGHTH MEETING OF COMMITTEE 5

(BROADCASTING SATELLITE SERVICE (BSS)
MATTERS AND ASSOCIATED PROCEDURES)

Monday, 26 September 1988, at 1405 hrs

Chairman: Mr. D. SAUVET-GOICHON (France)

Subjects discussed:	Documents
1. Third report of Working Group 5-B	334
2. Oral report from the Chairman of Working Group 5-B ad hoc 1	-
3 Protection of terrestrial fixed services in the 11.7 - 12.2 GHz band	-

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1. Third report of Working Group 5-B (Document 334)

1.1 The Chairman of Working Group 5-B introduced Document 334, which summarized five issues which had been treated in the Working Group. Further work was under way and the results would be submitted to the Committee, if possible at the next meeting. The problem of the expansion of interim systems to Regions 1 and 3 was being discussed in Working Group 5-B ad hoc 1, whose Chairman would report directly to the Committee. With regard to Annex 30, the Working Group had that morning adopted Document 333, which gave comments on some of the Rules of Procedure of the Board. As far as the procedure for the correction of minor errors was concerned, a document was still in preparation. As for Annex 30A, Articles 1 to 5.1 had been adopted and an ad hoc Group was working on the question of coordination between the feeder-link Plan and other services in the 17.7 to 18.1 GHz band in connection with Article 5.2.1. Lastly, a Resolution on HDTV had been adopted that morning and a definitive text would be submitted to the Committee at its next meeting.

Attachment 1: Resolution on interim systems

Draft Resolution [42(MOD)] was approved.

Annex

1.2 Referring to paragraph 4.1, Mr. Brooks (IFRB) suggested that the last two lines of sub-paragraph f) should be amended to read as follows: "... and the limits of Section 3 of Annex 1 to Appendix 30 are exceeded". That was the appropriate reference because the text dealt with the protection of broadcasting-satellite services in the 12.5 - 12.7 GHz band in Region 3.

It was so agreed.

1.3 Referring to paragraph 4.2 b), Mr. Brooks gave notice of his intention to introduce an amended text at the Committee's next meeting and proposed that the sub-paragraph should provisionally be placed in square brackets.

It was so agreed, and Attachment 1 was approved with that reservation and referred to the Editorial Committee.

After a brief discussion in which the Chairman of the Editorial Committee, Mr. Brooks (IFRB) and the delegate of the United States took part, it was decided not to change the number of Resolution [42(MOD)].

1.4 The Chairman of Working Group 5-B ad hoc 1 drew attention to the relationship between the Resolution, which was applicable to Region 2, and the desire of some administrations in Regions 1 and 3 to have similar provisions applicable to their regions. In that connection he reported that the matter was giving rise to considerable difficulties in his Working Group.

The Committee took note of that information.

1.5 The representative of INTELSAT said that, in the opinion of INTELSAT, the separate agreement reached between it and a number of administrations, as reported in the relevant Summary Record of WARC ORB-85 (Document 311), would still apply to any interim systems developed.

The Committee took note of the statement and of the fact that the agreement in question was between INTELSAT and the administrations concerned and that the IFRB was not involved in ensuring that its terms were carried out.

Attachment 2: Action to be taken on existing Resolutions and Recommendations contained in the Radio Regulations

It was agreed to remove the square brackets from Resolution 101, thus including that Resolution among those to be cancelled. Following a suggestion by the delegate of Japan, it was decided to maintain the footnote relating to Resolution 101 in a slightly different form, to be determined with the Secretariat.

1.6 Mr. Brooks (IFRB), in response to a question from the delegate of Sweden, said that any cross-referencing changes consequent on the cancellation of Resolution 101 would be noted in the Chairman's Report to the Plenary.

1.7 The Chairman of Working Group 5-B said that Resolutions 40 and 41 (to be cancelled) had been necessary to permit the implementation of satellite services before the entry into force of the Plan for Region 2, and they were therefore no longer required. Similar texts would, however, be needed for the feeder links in Regions 1 and 3, and he proposed to prepare texts similar to Resolutions 40 and 41, in consultation with the IFRB, to cover that situation.

It was so agreed.

It was further agreed, at the suggestion of the delegate of the United Kingdom, that Resolution 505 should be included, in square brackets, in the list of Resolutions to be retained, and that Resolution 42 be listed as modified.

Attachment 2 was approved, as amended.

Attachment 3: (Resolution 506)

1.8 The Chairman, at the suggestion of Mr. Brooks (IFRB), suggested that the footnote to the title be deleted and that the name of the 1979 WARC be replaced by the full name of the current Conference, in line with the text in Attachment 4.

It was so agreed and Attachment 3 was approved, as amended.

Attachment 4: (Resolution [COM5/1])

1.9 The Chairman of Working Group 5-B said that the draft Resolution was intended as a possible replacement for Resolution 505, but that there had been considerable debate as to whether it should be presented in the form of a Resolution or a Recommendation.

1.10 The delegate of Italy proposed that the words "of the WARC, Geneva, 1979" be added at the end of considering a) to cater for possible replacement of Resolution 505 by the text under discussion.

It was so agreed and the Attachment was approved, as amended, subject to minor editorial changes.

Attachment 5: (Draft Resolution [COM5/4])

1.11 The Chairman of Working Group 5-B explained that the procedure described in the draft Resolution was necessary because it was impractical to wait for a WARC before rectifying discrepancies between the country/geographical area symbols listed in the Preface to the IFL and those appearing in Appendix 30 (ORB-85) and Appendix 30A.

It was agreed, at the suggestion of the delegate of Argentina, to add the words "after consultation with the countries concerned" at the end of "resolves to instruct the Secretary-General".

1.12 The delegate of Sweden drew attention to the fact that the first lines of the relative parts of the draft Resolution [COM5/1] and draft Resolution [COM5/4] were inconsistent. The Chairman of the Editorial Committee said that his Committee would endeavour to harmonize the drafting.

The Attachment was approved on that understanding.

2. Oral report from the Chairman of Working Group 5-B ad hoc 1

2.1 The Chairman of Working Group 5-B ad hoc 1 said that progress had been very satisfactory, and that the Working Group was to split into two Drafting Groups to increase the number of texts which could be submitted to the next meeting of the Committee.

3. Protection of terrestrial fixed services in the 11.7 - 12.2 GHz band

3.1 The delegate of the USSR expressed concern that no decision had as yet been taken concerning the protection of fixed services in the 11.7 - 12.2 GHz band (Section 5 of Annex 1 to Appendix 30).

3.2 The Chairman of Working Group 5-B ad hoc 1 gave his reassurance that the principle of protection for the terrestrial fixed services of Region 1 in the 11.7 - 12.2 GHz band had been agreed, but the form in which appropriate limits might be set had not been finalized. A draft text would shortly be developed.

The meeting rose at 1520 hours.

The Secretary: The Chairman:

G. MESIAS D. SAUVET-GOICHON

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 357-E
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WORKING GROUP 4C

THIRD REPORT OF WORKING GROUP 4C AD HOC 1 ON DEFINITIONS

ARTICLE [F]

Definitions

Conference: World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, First Session, Geneva, 1985; Second Session, Geneva, 1988.

Plan: The Plan for the Fixed-Satellite Service in the frequency bands contained in this Appendix consisting of two parts; Part A, the list of frequency allotments together with any modifications resulting for the successfully application of the procedures of [Article 4] of this Appendix and Part B, the list of existing systems.

Allotment: For the purpose of this Appendix an allotment comprises:

- an orbital position;
- 800 MHz bandwidth in the frequency bands 4 500 - 4 800 MHz, 6 725 - 7 025 MHz, 10.7 - 10.95 GHz, 11.2 - 11.45 GHz and 12.75 - 13.25 GHz;
- a service area for national coverage;
- generalized parameters as specified in Annex.

Predetermined Arc:

Frequency assignment in conformity with the Plan: A frequency assignment in accordance with an allotment in Part A or with an existing system in Part B of the Plan.

Existing system: A satellite system included in Part B of the Plan.

Additional Use:

Sub-Regional system:

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ARTICLE [G]

General Provisions

1. The provisions of this Appendix apply to the fixed-satellite service in the frequency bands between:

- 4 500 and 4 800 MHz (space-to-Earth);
- 6 725 and 7 025 MHz (Earth-to-space);
- 10.70 and 10.95 GHz (space-to-Earth);
- 11.20 and 11.45 GHz (space-to-Earth);
- 12.75 and 13.25 GHz (Earth-to-space).

2. The allotment Plan, as prescribed by this Appendix is limited to national systems providing domestic service except that administration may [with adjacent territories], in accordance with the provisions of Article 10, combine all of part of their allotments to provide a sub-regional system.

3. The allotment Plan guarantees the access to the GSO at any time during the life time of the Plan.

4. The procedures associated with the Plan comprise:

- procedures.

ARTICLE [H]

Execution of the Provisions and Associated Plan

1. The Members of the Union shall adopt, for their fixed-satellite stations operating in the frequency bands referred to in this Appendix, the characteristics consistent with those specified in the Plan.

2. The Members of the Union shall not change the characteristics, or bring into use assignments to fixed-satellite stations, or stations in the other services to which these frequency bands are allocated except as provided for in the Radio Regulations and the appropriate Articles and Annexes of this Appendix.

ARTICLE [I]

Period of validity of the provisions and associated Plan

1. These provisions and associated Plan have been prepared in order to meet the requirements of the fixed-satellite service, in the bands concerned, for a period of at least 20 years from 1 July 1990.

2. These provisions and associated Plan shall, in any event, remain in force until their revision by a competent administrative radio conference, convened in accordance with the relevant provisions of the Convention in force.

J. ZAVATTIERO
Chairman of Working Group 4C Ad Hoc 1

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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26 September 1988
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COMMITTEE 7

SECOND SERIES OF TEXTS FROM COMMITTEE 5 TO THE EDITORIAL COMMITTEE

The texts contained in Attachments 1, 3, 4 and 5 of Document 334 as amended and adopted by Committee 5 at its eighth meeting are submitted to the Editorial Committee.

D. SAUVET-GOICHON
Chairman of Committee 5

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 359-E
26 September 1988
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COMMITTEE 4

NOTE FROM THE CHAIRMAN OF WORKING GROUP 4C TO THE CHAIRMAN OF COMMITTEE 4

THIS DOCUMENT WILL NEED TO BE CAREFULLY STUDIED BY DELEGATIONS IN VIEW OF ITS EARLY CONSIDERATION BY THE THIRTEENTH MEETING OF COMMITTEE 4 ON TUESDAY 27/09/88 AT 14.00 HRS.

In order to facilitate the work of Committee 4, a small Editorial Group has, at my request and under my Chairmanship, undertaken the task of integrating and as far as possible simplifying the texts of the procedures, drafts of which are contained in the following documents: DT/55 (Rev.3), DT/71 (Rev.1), 239 (Rev.2), 312 and 320.

In addition, the Predetermined Arc concept described in 346 has been incorporated in the attached integrated procedures.

E. DuCharme
Chairman of Working Group 4C

Attachment: 1

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ARTICLE [J]

The Plan and the Associated List of Assignments

1. The Plan consists of and shall be maintained by the Board in the form of:

a) Part A containing an initial list of allotments as they appear in the Final Acts of the Conference, each allotment being defined by:

i) a nominal orbital location;

ii) a service area;

iii) a set of generalized parameters; and

iv) a predetermined arc of flexibility.

b) Part B containing the list of networks of existing systems and their characteristics as recognized by the Conference.

1bis A list of assignments as described in 5 will be associated with the Plan.

2. The Predetermined Arc of Flexibility (PAF) shall be that segment of the GSO around a nominal orbital location provided for each allotment in Part A of the Plan from which a service area of an administration can be covered with the protection criteria and meet the geographical constraints usual for the preparation of the Plan. For certain countries needing more than one orbital location to ensure coverage of their national territories a separate PAF will be associated with each orbital location.

3. The existing systems listed in Part B of the Plan may continue in operation for a maximum period of 20 years from the date of entry into force of the Final Acts. During the lifetime of an existing system the recorded characteristics of the related space station and earth station assignments shall not be modified in any way as to affect any allotments or assignments made in accordance with the Plan. Changes in the recorded characteristics of an existing system which do not affect allotments or assignments made in accordance with the Plan shall be notified to the Board. The Board shall publish such changes in a special section of its weekly circular and shall update the Plan accordingly.

4. An interaction between Part A and Part B of the Plan will take place whenever an administration initiates the procedure for converting all or part of its allotment into an assignment (see Article [L]). The results of this process will be recorded in the List of assignments associated with the Plan.

5. The List of assignments to be associated with the Plan shall contain:

a) assignments derived from the allotments having generalized parameters within the limits appearing in the Plan;

b) assignments relating to existing systems appearing in Part B of the Plan with their operating characteristics;

c) assignments relating to existing systems appearing in Part B of the Plan with their modified operating characteristics;

d) assignments resulting from the introduction of subregional systems;

e) assignments relating to additional uses.

6. For the application of the provisions of this Appendix additional uses shall be those of an administration:

a) whose assignments derived from allotments having generalized parameters exceeding the limits appearing in the Plan;

b) which has a requirement whose other characteristics differ from those used in the preparation of Part A of the Plan;

c) which is already using all or part of its national allotment in Part A of the Plan;

d) which requires the use of all or part of its national allotment that has been suspended in accordance with Section II of Article [L], No. 21;

e) which intends to participate in more than one subregional system.

7. The procedures contained in this Appendix relating to the conversion of allotments into assignments, the introduction of subregional systems and the additional uses shall in no way present an allotment from being converted into an assignment.

ARTICLE [K]

Procedure for the Addition of a New Allotment to the Plan for a New Member of the Union

1. An administration having joined the Union as a new Member shall obtain a national allotment in Part A of the Plan by the following procedure.

2. The administration shall submit its request for an allotment to the Board with the following information:

a) the geographical coordinates of not more than 10 test points for the determination of the minimal ellipse to cover its national territory;

b) the height above sea level of each of its test points and the rain zone or zones;

c) any special requirement, other than a fixed orbital location, which is to be taken into account to the extent practicable.

3. Upon receipt of the complete information the Board shall find an appropriate orbital location and shall enter the national allotment of the new Member of the Union in Part A of the Plan with the characteristics listed in Article [J] 1 a).

4. For this purpose the Board shall consult, and if necessary seek the agreement of, any administrations that may be affected.

ARTICLE [L]

Procedure for Implementation and Management of the FSS Planned Bands

Section I. Procedure for Conversion of an Allotment into an Assignment

1. When an administration intends to implement a satellite network employing all or part of its allotment in Part A of the Plan it shall, not earlier than [three years] and not later then [three months] before the planned date of bringing the networks into use, send to the IFRB the information specified in [Annex ...].

2. Upon receipt of a complete notice of a frequency assignment for that network, the Board shall examine it in respect to its conformity with Part A of the Plan.

3. A notice which is in conformity with Part A of the Plan shall be examined by the Board with respect to its compatibility with the assignments:

a) which appear in the List;

b) with respect to which the Board previously received information in accordance with this Article.

4. When the Board finds that the proposed assignment is compatible, or in the event of incompatibility the notice includes a statement that any affected administration has given its agreement, it shall:

a) record the assignment in the List;

b) consider the information received as notified under Article [M].

5. When the Board finds that the proposed use is not in conformity with Part A of the Plan it shall return the notice to the notifying administration with the reasons for the Board's finding and shall make such suggestions as it may be able to offer.

6. If the administration returns the notice without modification, or with a modification that will not ensure its conformity with Part A of the Plan, and if the administration so requests, the assignment shall be treated in accordance with the provisions of Section IV of this Article relating to additional uses. If the administration does not make this request the notice shall be returned to the notifying administration.

7. Should the Board find that the proposed use is incompatible with any assignment mentioned in 3 it shall return the notice to the notifying administration indicating that it may take the following action:

a) modify the characteristics of its assignment in order to ensure its compatibility with the above-mentioned assignments; or

b) select an alternative orbital location and resubmit the notice in accordance with 1; or

c) request the assistance of the Board in either course of action.

8. When the Board is notified of an alternative orbital location under 7 b) it shall examine it and assess the effect on other allotments in Part A of the Plan. When

the Board is requested to select an alternative orbital location under 7 c) it shall do so within the PAF associated with the allotment.

8bis If the Board finds that the alternative location selected under 7 b) affects other allotments in Part A of the Plan, or if the Board is unable to find an orbital location without relocating allotments in Part A of the Plan, it shall propose the minimum necessary relocation of other allotments within their PAFs while guaranteeing the agreed protection criteria in their newly selected locations. The result of these calculations and the modified orbital location shall be published in a special section of the weekly circular.

9. If within [thirty] days from the date of the weekly circular mentioned in 8bis the Board receives no comments it shall be deemed that there are no objections to the proposed relocations. Comments, if any, shall be limited to the case of an administration whose allotment is in the process of being converted into an assignment, or to the case of an administration believing that the protection criteria used for the preparation of the Plan has not been maintained. In the event of receiving such comments the Board shall initiate the appropriate action to resolve the matter.

10. If the Board is unsuccessful in its attempt to select an alternative orbital location which would maintain the protection criteria used in the preparation of the Plan, it shall identify the orbital location which would result in the minimum degree of incompatibility. The Board shall also identify the assignments which would be affected by, or would affect, the assignment related to the orbital location. The Board shall then consult with the administrations concerned to determine the minimum necessary adjustments to their assignments to ensure the satisfactory completion of the conversion procedure and the guaranteed access to the orbit.

11. If it is necessary for the purpose of resolving the incompatibilities mentioned in 7:

a) an administration responsible for an existing system or an additional use shall, depending on the stage of development of its system, take all technically and operationally possible measures to remove incompatibilities at the planning, design and implementation stages in order to accommodate the requirements of the administration seeking to convert its allotment into an assignment;

b) an administration whose allotment is being converted into an assignment shall assist in the resolution of incompatibilities;

c) both administrations, with the assistance of the Board if requested, shall cooperate in reaching an equitable agreement, taking into account the respective stages of development of their systems and recognizing that a means must be found to convert the allotment into an assignment which is acceptable to both parties.

Section II. Procedure for the Introduction of a Subregional system

12. When a group of administrations intends to bring into use a subregional system it shall select an orbital location for the system, preferably form one of the national allotments concerned, and send details of the assignment of the proposed network to the Board. For this purpose the administrations shall designate one of their members to act on their behalf in the application of the provisions of this Appendix. The selected administration shall be known as the notifying administration for the system.

13. It shall be recognized that from the commencement of the procedure of this Section, national allotments of the administrations involved appearing in Part A of the Plan shall not be converted into assignments. This suspension shall continue throughout the period of operation of the subregional system and shall apply to the combinations of frequency bands used by the system.

14. Upon receipt of a complete notice relating to the proposed system, the Board shall examine it in regard to the compatibility with the assignments:

a) which appear in the List;

b) with respect to which the Board previously received information in accordance with this Article.

15. In the event of a favourable finding with regard to compatibility the Board shall enter the proposed assignment in the List and shall report the information received as notified under Article [M].

16. In the event of a unfavourable finding with regard to compatibility, the Board shall return the notice to the notifying administration indicating that it may take the following action:

a) modify the characteristics of its proposed assignment in order to ensure its compatibility with all assignments in the List; or

b) select an alternative orbital location and proceed in accordance with 12; or

c) request the assistance of the Board in either course of action.

17. When the Board is requested to assist in the selection of an alternative orbital location it shall endeavor to identity an orbital location which would ensure compatibility with the assignments in the List and shall communicate the results to the notifying administration.

18. If it is not possible to find a solution to the problem of incompatibility mentioned in 16 after having considered the possibility of finding an alternative orbital location, the Board shall determine the orbital location which would result in the minimum degree of incompatibility and shall identify the assignments which will be affected by, or will affect, the proposed assignment. The Board shall then consult with the administrations concerned to determine the minimum necessary adjustments to ensure the satisfactory completion of this procedure.

19. In the event of an administration withdrawing from a subregional system it shall inform the IFRB. The Board shall take account of this modification when applying the provisions relating to the compatibility of new assignments.

20. The suspended national allotment of such an administration shall remain suspended during the lifetime of the subregional system. If, however, that administration intends to implement a national system it shall proceed under the provisions of Section III relating to additional uses.

21. When a subregional system is terminated, the notifying administration shall inform the Board as early as possible and the Board shall:

a) publish this information in a special section of its weekly circular;

b) cancel all frequency assignments in the List relating to that system;

c) modify Part A of the Plan to indicate that the corresponding national allotments are no longer suspended.

Section III. Supplementary Provisions Applicable to Additional Uses in the Planned Bands

22. An administration, or one acting on behalf of a group of administrations, may apply the procedure of this Section for an additional use as defined in 6 of Article [J] provided that the related assignments will not necessitate any relocation of a national allotment in Part A of the Plan or be incompatible with any assignments:

a) which appear in the List;

b) with respect to which the Board previously received information in accordance with this Article.

23. For this purpose it shall, not earlier than [three years] and not later than [three months] before the planned date of bringing the related assignment into use, send the information specified in [Annex ...] to the IFRB.

24. Upon receipt of a complete notice the Board shall examine it to ensure its compliance with 23 and in the event of non-compliance the notice shall be returned to the notifying administration.

25. In the event of the Board finding that the notice complies with the provisions of 23 it shall enter the assignment in the List and shall consider the information received as notified under Article [M].

26. The provisions of this Section shall not be applied before [two years] after the date of entry into force of this Plan except in respect of those notices received by the Board between 8 August 1985 and 5 October 1988.

ARTICLE [M]

Procedure for Notification and Recording in the Master Register of Assignments in the Planned Bands for the Fixed-Satellite Service

1. Any assignment for which the relevant procedure of Article [L] has been successfully applied shall be notified to the Board in accordance with Article 13 of the Radio Regulations indicating only those characteristics communicated under Article [L] which have been modified by the application of the procedure.

2. Such an assignment shall not be subject to the procedures for advance publication and coordination contained in Sections I and II of Article 11 of the Radio Regulations. Consequently, the provisions of Article 13 of the Radio Regulations shall continue to be applicable except with regard to No. 1504 and related provisions. (See Resolution [COM4/1].)

3. No provision of this Appendix [30B] shall be considered as modifying the requirements under Sections III and IV of Article 11 of the Radio Regulations relating to coordination between the fixed-satellite service and stations of terrestrial services sharing the planned bands on an equal primary basis.

DRAFT

RESOLUTION [COM4/1]

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that it has adopted an Allotment Plan and associated provisions covering existing systems which had commenced the procedures of Article 11 of the Radio Regulations before 8 August 1985;

b) that since this date the same procedures have been applied for other satellite networks which have not been covered by the Plan or its associated procedures;

c) that in order to safeguard the Plan and its associated procedures it is essential to prevent other satellite networks from being implemented in the planned bands before the date of entry into force of the Final Acts;

d) that, nevertheless, the satellite networks referred to in considering b) should be permitted to continue to apply the procedures of Article 11 with a view to resolving incompatibilities among themselves and with existing systems appearing in Part B of the Plan;

resolves

1. that the provisions of Sections I and II of Article 11 and the related provisions of Article 13 of the Radio Regulations shall be suspended in the planned bands with effect from [5 October 1988] except in respect of satellite networks contained in Part B of the Plan and those listed in the Annex to this Resolution;

2. that the Board shall invite the administrations concerned to indicate whether their satellite networks listed in the Annex to this Resolution are to be regarded as a conversion of their national allotments in Part A of the Plan into assignments or as additional uses to be treated in accordance with the relevant provisions of Article C of Appendix [30B].

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 360-E
26 September 1988
Original: English

Source: Document 318

COMMITTEE 5

FOURTH REPORT OF WORKING GROUP 5-B TO COMMITTEE 5

The following attachments have been adopted by Working Group 5-B and are transmitted for your consideration.

Attachment 1: Selection of a frequency band for the broadcasting-satellite service for HDTV (Source: Document 318)

Attachment 2: Comments to the IFRB Rules of Procedure (Source: Document 339)

C. DOSCH
Chairman of Working Group 5-B

Attachments: 2

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ATTACHMENT 1

RESOLUTION [COM5/3]

Relating to the Selection of a Frequency Band for Use by the Broadcasting-Satellite Service and Intended for Wide RF-Band High Definition Television*, an Associated Frequency Band for HDTV Feeder Links, and the Adoption of Related Provisions by a Future Competent Conference

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the development of techniques for high definition television broadcasting is rapidly progressing;

b) that the frequency bands around 12 GHz allocated to the broadcasting-satellite service do not, as presently planned, provide a world-wide allocation suitable for the implementation of HDTV via satellites;

c) that a world-wide frequency allocation to the broadcasting-satellite service suitable for HDTV transmissions is desirable to facilitate the implementation of a unique world-wide standard for HDTV transmission by satellite and to reduce interregional inter-service sharing constraints;

d) that the band 22.5 - 23 GHz is allocated to the broadcasting-satellite service in Regions 2 and 3, and is authorized in those Regions subject to agreement obtained under the procedure set forth in Article 14 of the Radio Regulations;

e) that due account should be taken of other radiocommunication services appearing in Article 8 of the Radio Regulations;

considering also

a) that the CCIR has carried out a number of studies concerning the broadcasting of HDTV signals, propagation aspects, and the difficulties of sharing with other services (see the CCIR Reports to the First and Second Sessions);

b) that the CCIR in its Report to the Second Session of WARC ORB has concluded that:

i) narrow RF-band systems (operating in a 24 - 27 MHz channel) are characterized by relatively high degrees of bandwidth compression and by analogue modulation;

ii) wide RF-band systems (both analogue and digital) require an RF channel bandwidth typically in the order of 50 - 120 MHz;

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* Hereinafter referred to in this text as simply HDTV.

iii) some use of the 12 GHz band, as planned, can be made for narrow RF-band systems using single channel, highly compressed signal formats and, at the expense of a significant reduction in the number of available programmes, for formats using two RF channels. However, the 12 GHz band, as planned, will not accommodate single wide RF channel high definition TV, analogue or digital signals on a world-wide basis;

iv) from a propagation point of view, all bands from 12 GHz to 23 GHz may be suitable, but rain attenuation which increases with frequency, and atmospheric absorption, need to be taken into account;

c) that this Conference has confirmed the need for a suitable band to be made available, preferably on a world-wide basis, for the future introduction of HDTV in the BSS with an associated band for HDTV feeder links, also preferably on a world-wide basis;

resolves

1. that opportunities be given in Article 8 of the Radio Regulations to achieve a well balanced situation for all Regions to facilitate the introduction of HDTV on a world-wide basis;

2. that the frequency range 12.7 - 23 GHz be considered for HDTV;

3. that, while the plans for the 11.7 - 12.7 GHz band can already be used for certain types of high definition television, studies should be continued on the long range future suitability of these bands for HDTV without prejudice to the existing plans in this band;

4. that appropriate bands be considered for associated HDTV feeder links;

5. that further studies (going beyond those presented in the reports of the CCIR to this Conference) will be essential before the most suitable bands can be chosen;

6. that in choosing the band for the long term use by HDTV, due account must be taken of other allocated services and any existing systems operating in the band, and a minimum period to be determined by the Conference referred to in "resolves to recommend 2" below should be allowed for any re-accommodation or adjustment of these services that might arise;

resolves to recommend

1. that the next Plenipotentiary Conference, when establishing the post-1989 programme of conferences and meetings, should include provision for a WARC to deal with matters relating to HDTV, the timing of which should be sufficiently early to take due account of any period that may be needed to re-accommodate or adjust other services if necessary;

2. that the Administrative Council, when establishing the agenda for the above-mentioned WARC, should ensure that the Conference is authorized:

a) to make the definitive selection and appropriate radio regulatory provisions for a frequency band for HDTV in the BSS in the long-term and for an associated HDTV feeder-link band, both preferably on a world-wide basis;

b) to make appropriate provisions to regulate the sharing of any such bands with other radio services being guided by the appropriate CCIR studies and to take into account the needs of any existing services which might have to be adjusted for re-accommodation elsewhere in the frequency spectrum, including the time required to effect any necessary changes;

c) to determine the dates for the entry into force of its decisions, including the earliest date for the introduction of HDTV and associated feeder links into any frequency bands selected for those purposes;

invites the CCIR

to undertake the further studies necessitated by this Resolution for feeder links and down-links and to submit its report not later than one year before the WARC mentioned above. These studies are to include the following:

1. system parameters for HDTV emission by satellite, with emphasis on the effect of the choice of frequency, e.g.:

- modulation (including baseband coding and channel coding);
- satellite power requirements;
- satellite and earth station technology;
- receiving system characteristics;
- type of polarization (including propagation effects);

2. propagation characteristics, e.g.:

- attenuation, including precipitation losses;
- atmospheric absorption;
- cross-polar discrimination,

3. inter- and intra-service sharing and interference, interregional sharing;

invites administrations

to carry out studies as required, taking into account the above-listed topics, and communicate the results to the CCIR;

requests

the Secretary-General to bring this Resolution to the attention of the Plenipotentiary Conference, Nice, 1989.

ATTACHMENT 2

Comments on the IFRB Rules of Procedure relating to Appendix 30 of the Radio Regulations

Committee 5 has completed a review of the IFRB Rules of Procedure on the application of Appendix 30, as well as part of the comments of the Board contained in Document 9, and considers it appropriate for the Conference to make some comments on these Rules of Procedure as contained in Document 18 of the Conference. These comments are intended to assist the Board in the application of Appendix 30 to the Radio Regulations.

All references are to sections of Appendix 30. Paragraph numbers relate to the cases where there is more than one paragraph in Document 18 referring to the section.

a) 4.3.1.4 (paragraph 2)

The Board should also apply this provision to any area in Region 2 where there is a primary allocation to terrestrial services in the band 11.7 - 12.2 GHz.

b) 4.3.1.5 (paragraph 4)

In applying Section 6 of Annex 1 to Appendix 30, the -160 dB(W/m^2/4 kHz) limit should be used in the case of 12.2 - 12.5 GHz band in Region 3.

c) 4.5.1 b)

The request for the document referred to in this provision would be satisfied by the publication of modifications in the special spection of the weekly circular plus the publication of the updated Plan as required.

d) 5.2.1 b) (paragraph 1)

The intention to employ greater energy dispersal as given in section 3.18 of Annex 5 should not require a modification to the Plan.

INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 6

SEVENTH REPORT OF THE CHAIRMAN OF WORKING GROUP 6-B TO COMMITTEE 6

1. The Working Group has completed consideration of the report of the Chairman of Group 6-B ad hoc 3 concerning Article 14 and the decisions are contained in the annex to the report.

2. Considerable discussion took place on the wording of footnote ADD 1619C.1. The majority view was to adopt the text proposed for the footnote. Some concern was expressed that the text did not adequately cover the situation pertaining to non-geostationary satellite networks.

3. The reference [aa) which is notified to the Board] is pending a definitive decision on the question concerning the procedure associated with modifications made in application of No. 1548. These matters will be discussed at a later meeting of the Working Group.

A.V. CAREW
Chairman of Working Group 6-B

Annexes: 3

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX 1

ARTICLE 14

NOC **Supplementary Procedure to Be Applied in Cases Where a Footnote in the Table of Frequency Allocations Requires an Agreement with an Administration**

NOC 1610-1613

MOD 1613.1 [1] The information in Appendix 3 or 4 submitted to the Board under Article 11 may also be used for the purpose of this procedure. When the Appendix 4 information is submitted for an assignment to a geostationary-satellite network, the administration seeking agreement under this Article shall also [submit] [indicate] the information required for the application of Appendix 29.

NOC 1614-1619

ADD 1619A When an administration intends to bring into use a frequency assignment to a space radiocommunication station, the agreement of an administration having an existing or planned space radiocommunication station may be required with respect to the assignments of this administration:

ADD 1619B a) which are recorded in the Master Register, in conformity with No. 1503; or

[aa) which is notified to the Board]

ADD 1619C b) for which information under No. 1042[1] has been received by the Board; or

ADD 1619C.1 [1] The administration having such an assignment may be requested to communicate the Appendix 3 information when available or, in the case of a geostationary-satellite network, any information in addition to that communicated in accordance with Appendix 4 which is necessary for the application of Appendix 29.

ADD 1619D c) for which the procedure of this Article has been initiated.

NOC 1620-1630.1

ANNEX 2

RECOMMENDATION [COM6/C]

Relating to the Review of Article 14 of the Radio Regulations and Further Development of Technical Criteria for its Application

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that Article 14 of the Radio Regulations in many instances does not contain provisions relating to time limits and the steps to be taken in the case of continuing disagreement between administrations;

b) that the applicability of the provisions of Article 14 in many cases to terrestrial services in shared bands and, in some cases, to terrestrial services only, places the general revision of the Article beyond the competence of the Conference, even though the space services here under consideration are more frequently affected and have experienced some difficulty in its application;

c) that in some cases in the application of Article 14 there exist no technical criteria to identify the affected administrations;

d) that recent administrative radio conferences have used extensively the reference to Article 14 when revising existing footnotes to the Table of Frequency Allocations or developing new ones;

e) that there is a need to review the provisions of Article 14 and to consider any consequential changes to the Radio Regulations necessary for an efficient and simplified application of this Article;

noting

that this Conference has reviewed the provisions of Article 14 which refer to space services, and has made the minimal necessary changes to the procedures, until a more extensive revision can be made, covering all the services;

recommends

that a future competent world administrative radio conference should review and revise, as appropriate, the provisions of Article 14 of the Radio Regulations and make consequential changes arising from such a revision;

invites the IFRB

to prepare an updated report on the application of the procedure of Article 14 and on any difficulties encountered in its application and submit it to a competent world administrative radio conference;

invites the CCIR

1. to continue appropriate studies of the development of sharing criteria for the different services which are involved in the application of Article 14;

2. to provide technical criteria permitting administrations to evaluate the effect on their services of the application of Article 14 with respect to a given assignment;

urges administrations

to study this matter and, based on their experience in the application of Article 14, to submit proposals for consideration by a future competent world administrative radio conference.

ANNEX 3

Proposed amendments to Article 11

MOD 1060 § 6. (1) Before an administration (or one acting on behalf of one or more named administrations) notifies to the Board or brings into use any frequency assignment to a space station on a geostationary-satellite or to an earth station that is to communicate with a space station on a geostationary satellite, it shall, except in the cases described in Nos. 1066 to 1071, effect coordination of the assignment with any other administration whose assignment, for a space station on a geostationary satellite or for an earth station that communicates with a space station on a geostationary-satellite, might be affected.[1]

ADD 1060.1 [1] In cases where the application of Article 14 is required with respect to one or more assignments of a network, the agreement obtained in application of Article 14 in relation to an assignment of another satellite network to which No. 1061 to 1065 apply shall be deemed to constitute successful application of the procedure of Section II of this Article.

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COMMITTEE 6

EIGHTH REPORT OF THE CHAIRMAN OF WORKING GROUP 6-B TO COMMITTEE 6

1. The Working Group has completed consideration of a number of decisions contained in the report of the Chairman of Sub-Working Group 6-B-2. The decisions of the Working Group are contained in the annex to this report.

2. The Working Group took note of the IFRB Rules of Procedure concerning suspended assignments and agreed that these did not pose any particular difficulty for administrations. Committee 6 should take note of this matter.

3. The Working Group also took note of the Board's view concerning the difficulties experienced in the application of footnote No. 1506.1 although no changes were made to its provisions.

4. The proposal to modify No. 1550 concerning extension of bringing satellite networks into use was discussed at some length. One Delegation, Saudi Arabia, reserved its position on the proposed modification on the basis that requests for extension should be justified. Committee 6 is requested to decide on the nature and format for approving extensions between the concluding of the Conference and the coming into force of the Final Acts.

A.V. CAREW
Chairman of Working Group 6-B

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ANNEX 1

ARTICLE 13

NOC **Notification and Recording in the Master International Frequency Register of Frequency Assignments[1] to Radio Astronomy and Space Radiocommunication Stations Except Stations in the Broadcasting-Satellite Service[2]**

NOC **Section I. Notification of Frequency Assignments**

NOC 1488 - 1493

ADD 1493A A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to a space station for transmission or reception may indicate the characteristics of one or more associated typical earth stations with the area in which they are intended to be operated.

MOD 1494 (4) A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to ~~mobile~~ earth stations in a satellite system shall include the technical characteristics either of each ~~mobile~~ earth station, with its location, or of a typical ~~mobile~~ earth station, ~~and~~ with an indication of the ~~service~~ area within which ~~these~~ such typical earth stations are to be operated.

NOC A.13.1 [1] The expression frequency assignment, wherever it appears in this Article, shall be understood to refer either to a new frequency assignment or to a change in an assignment already recorded in the Master International Frequency Register (hereinafter called Master Register).

A.13.2 Orb-85 [2] For notification and recording of frequency assignments to stations in the broadcasting-satellite service and other services in the frequency bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2), as well as the notification and recording of frequency assignments to feeder-link stations in the fixed-satellite service (Earth-to-space) in the frequency band 17.3 - 17.8 GHz (in Region 2) and other services in these bands in Region 2, see also Article 15 and Article 15A respectively. *

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* The subject matter related to this item is presently under consideration in other Committees or Working Groups.

ADD 1494A Except for mobile earth stations individual notification of an earth station is required when:

ADD 1494B a) the coordination contour calculated in accordance with Appendix 28, overlaps the territory of another administration in which the frequency band is allocated with equal rights to the terrestrial services;

ADD 1494C b) the characteristics of the earth station are such that the interference caused or suffered is greater than for any typical earth station coordinated under No. 1060 for the relevant location.

NOC 1495 - 1502

MOD 1503 a) with respect to its conformity with the Convention, the Table of Frequency Allocations[1] and the other provisions of the Radio Regulations, with the exception of those relating to the coordination procedures and the probability of harmful interference which are the subject of the following sub-paragraphs;

ADD 1503.1 Conformity with the Table of Frequency Allocations implies the successful application of Article 14, when necessary.

NOC 1504 - 1516

MOD 1550 The notified ~~projected~~ date of bringing into use of the first ~~a frequency~~ assignment ~~may be extended on request of the notifying administration by four months. In the case where the administration states that, due to exceptional circumstances, it needs a further extension of this period, such extension may be provided but it shall in no case exceed eighteen months from the original projected date of bringing into use.~~ of a satellite network shall not be later than six years following the date of publication of the special section of the weekly circular referred to in No. 1044. This notified date of bringing into use will be extended at the request of the notifying administration by no more than three years.

NOC 1551 - 1584

INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 4

SUMMARY RECORD

OF THE

THIRTEENTH MEETING OF COMMITTEE 4

(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

Tuesday, 27 September 1988, at 1405 hrs

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed:		Documents
1.	Oral report by the Chairman of Sub-Working Group 4-B-1	-
2.	Note from the Chairman of Working Group 4-C to the Chairman of Committee 4	359

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1. Oral report by the Chairman of Sub-Working Group 4-B-1

1.1 The Chairman of Sub-Working Group 4-B-1 said that the Group had decided to proceed in two parallel ways to try to improve the compatibility between Parts A and B of the Plan whilst taking account, wherever possible, of the concerns voiced by various administrations. The first was to attempt a synthesis of basic requirements, special geographical situations and existing systems; the ordering part had been made ready for an analysis before consideration of ways to optimize it. In the second, the draft Plan transmitted in Document 307 had been used for the purpose of considering the impact of existing systems - which had been found considerable - and of attempting to improve the draft Plan manually in order to lessen the impact. The Working Group was about to begin its fourth round of deliberations; some improvement had already been effected and the Group hoped to have results available very shortly for presentation to the Committee.

The Committee took note of the oral report.

2. Note from the Chairman of Working Group 4-C to the Chairman of Committee 4 (Document 359)

2.1 The Chairman of Working Group 4-C stressed that Document 359 was the outcome of the task undertaken by himself and a small Editorial Group with a view to simplifying as far as possible the texts of the draft procedures, including the incorporation of the predetermined arc concept, contained in the documents referred to on page 1 of Document 359. Since there had been no time to submit the latter to Working Group 4-C for consideration, it was transmitted in the form of a Note from himself to the Chairman of Committee 4. His intention throughout had been to uphold the decisions taken in the Working Group, but the document doubtless presented a number of shortcomings and might require some modification during discussion. For example, it might be felt that the diminishing feature of the predetermined arc concept had not been fully reflected, although it would be covered fully in the technical annexes, not yet available. He hoped that, during the Committee's consideration of Document 359, any shortcomings could be rectified and that the square brackets still appearing in some of the source texts could be removed.

2.2 The Chairman suggested that, on that understanding, Document 359 should be considered by the Committee.

2.3 The delegate of Japan said that his Delegation appreciated the efforts made by the Chairman of Working Group 4-C. He was pleased that his Administration's proposed concept of predetermined arc, a concept adopted by Committee 4, had been integrated for the purpose of solving certain unforeseen problems, although his Administration had not intended the concept to be used in order to resolve incompatibilities between Parts A and B of the Plan. Document 359, however, gave rise to some difficulty in regard to the overall structure of procedures. The effect of paragraph 8bis under Section I of Article [L], in which PDAs had been converted to PAFs, would be that the concept's sole purpose was to solve incompatibilities between Parts A and B; the original concept, namely, the introduction of new requirements such as those relating to subregional systems or new Members of the Union while guaranteeing all allotments, had seemingly been lost sight of. Therefore, the Committee must first of all consider a suitable amendment, as part of a preliminary general review of Document 359 as a whole, before the text could be discussed in detail.

2.4 The delegates of the Islamic Republic of Iran and France felt that the Committee should be given a general presentation of Document 359 before proceeding to discuss it in detail.

2.5 The delegate of Kenya said that, despite the admirable efforts of the Chairman of Working Group 4-C, Document 359 failed to reflect the views expressed in the various Drafting Groups and to conform to their terms of reference; therefore, the entire text should be placed within square brackets for the time being.

2.6 The delegate of Côte d'Ivoire agreed with the delegate of Japan. Moreover, the procedure adopted in establishing the various ad hoc Groups without due debate as to their terms of reference was contrary to normal practice. Document 359 failed to reflect the various proposals made and ignored the directives from the First Session about procedures relating to the Allotment Plan. His Delegation could not accept that document and proposed the establishment of an ad hoc Group to consider all the relevant documents dealt with in Working Group 4-C.

2.7 The delegate of Indonesia said he shared the concern expressed by previous speakers. For example, the procedure set forth in Article [L] would not implement the decision to have a simple provision for converting an allotment into an assignment. Therefore, Document 359 must first of all be given a thorough general review in Committee, in Working Group 4-C or in an ad hoc Working Group.

2.8 The delegate of Tanzania said that, although his Delegation appreciated the work carried out by the Chairman of Working Group 4-C, the procedures outlined in Document 359 ran counter to the many views expressed and, in particular, to the principle of the equitable use of the geostationary-satellite orbit by all countries, including the small developing nations - a principle which the Conference had a moral duty to uphold. Document 359 should be redrafted by an ad hoc Group.

2.9 The delegate of Mexico endorsed the previous speakers' views. It seemed that, in the desire to simplify procedures as far as possible, certain important aspects, including views expressed in the Working Group had been overlooked. Therefore, he supported the suggestion, made by the delegate of the Islamic Republic of Iran, that the Chairman of Working Group 4-C should first of all make a general presentation.

2.10 The delegate of China agreed that, while the Chairman of Working Group 4-C had made commendable efforts, a number of key issues raised during Working Group 4-C's deliberations were not reflected. Document 359 failed to make clear the change in concept from PDAs to PAFs and to reflect the lengthy discussions on the relationship between Parts A and B of the Plan, especially with regard to existing systems and the use of agreed procedures. A general review of Document 359 was an essential first step.

2.11 The delegate of Viet Nam said that Document 359, although the outcome of a praiseworthy effort by the Chairman of Working Group 4-C, failed to reflect the majority views expressed in that Working Group. He agreed that the document might first be subjected to a general review.

2.12 The Chairman, having summarized the views expressed, said that to some extent he could agree with most of the statements. The Chairman of Working Group 4-C had recognized that Document 359, although aimed at reflecting as many as possible of the views expressed in the Working Group, did not fully represent them all. He suggested that the Chairman of Working Group 4-C should give a general presentation of the Document, providing explanations, with the assistance of the IFRB Members wherever necessary; he himself might also decide, at any time he deemed appropriate, to create an ad hoc Group or Groups in order to reflect the Committee's views in suitable wording, since it was his duty and desire to ensure that all Members' views were fully reflected in the relevant texts.

2.13 The delegate of Côte d'Ivoire, speaking on a point of order, repeated that in his Administration's view Document 359 failed to reflect the work carried out in Working Group 4-C, did not conform to the guidelines laid down by the First Session and did not take into account the proposals submitted by administrations. Discussion of the document, therefore, would be without prejudice to his Delegation's final position on the matter.

2.14 The Chairman of Working Group 4-C made then a general presentation of Document 359 and explained the major points in the document.

2.15 The delegate of France said that in his view there were many differences between the texts approved in Working Group 4-C and the document under consideration. For example, with regard to the definition of PDA, it had been said that that arc should always provide a protection of 26 dB for an allotment, but that guarantee did not appear to be ensured in Document 359. Moreover, the text corresponding to Document 312 on modifications to the Plan had entirely disappeared and a completely new text of a draft Resolution appeared. Other minor points which had been changed concerned the coordination of subregional systems with allotments (Document 239(Rev.1)) and additional uses (Document 320). It was therefore necessary to reach agreement on the new features which appeared in Document 359 before approving the document in principle.

2.16 The delegate of Qatar confirmed the French delegate's views. He drew attention to the need to render the procedures for the conversion of allotments into assignments as easy to understand as possible.

2.17 The delegate of Tanzania said that the PAF mentioned in Article [J] paragraph 1 iv) was simply progressive reduction and it was flexible and that was one reason why it had been adopted. However, the reference to Part B in paragraph 1 b) was confusing. Did it mean that the characteristics would be modified at that Conference? With regard to paragraph 4 of Article [J], he understood that one of the major aims of the Conference was to finalize compatibility as much as possible and steps should be taken to do so. Paragraph 5 of Article [J] was confusing and should not have been expanded so much and although paragraph 6 of the Article had been discussed, no agreement had been reached on it. His Delegation's view was that too many efforts were being made to introduce a number of assignments through additional procedures, whereas it would be unfair to have additional systems on a par with subregional systems.

Paragraphs 8 to 10 of Article [L] suggested that an allotment would not necessarily be guaranteed conversion into an assignment. That ran counter to the principles already adopted. He understood that the procedure indicated in Section II, paragraph 12, was merely one option which might be selected by the Region; another option would be through additional procedures. There was a contradiction between paragraphs 12 and 13 of Section II and also a contradiction between those and the principle of the PDA. Moreover, a serious loophole which was of concern to him was the possibility that administrations might use the additional procedures to prolong the operation of existing systems.

2.18 The Chairman said it was the duty of the Conference to ensure that an allotment in Part A of the Plan could always be implemented. The Committee must therefore ensure that what was stated in paragraph 7 of Article [J] was reflected throughout Document 359. Moreover, it must also ensure that the best possible provisions were made for the introduction of subregional systems.

After Document 359 had been considered in detail, he would set up an ad hoc Group to draft further ideas for discussion.

2.19 The delegate of Kenya said that Article [J], paragraph 1 iv) was not clear and there should be a complete text on the PAF.

2.20 The delegate of Mexico shared that concern. He further enquired how the IFRB would maintain Part B as indicated in paragraph 1 b).

2.21 The Vice-Chairman of the IFRB said that to answer that question he must indicate how the Board understood the document and from that he would derive how the Plan would be maintained. Since the Board had not yet had time to consider the document in detail, he would give only his personal understanding and his colleagues on the Board could intervene if necessary.

His understanding of the document was that the maintenance of the Plan was based on a two layer system, one consisting of the Plan with a full protection of allotments and the other consisting of the actual uses.

As he understood it, the maintenance by the Board of the Plan would be as follows. When the Board received notification of an assignment relating to the conversion of an allotment, it would check to see whether the allotment was in conformity with the Plan. If so, the Board would then go to the List which, the first day after the Conference, would contain only existing systems. If the proposed use was compatible with that, the converted assignment would be entered in the List. If it was not it would be referred back to the administration and the latter would be told that it could adjust the characteristics of its network so as to become compatible, select an alternative position within its predetermined arc, or request the Board to select a position within that arc.

Setting aside the case where the administration adjusted its characteristics, which required no comment, he turned to the case where the administration wished to use an alternative location within its PDA. The Board would then run the software available in a limited portion of the orbit, namely the predetermined arc of the administration concerned, to see how the satellite could be repositioned. If that were done, it would be necessary, once a position had been found, to return to the List and consider the compatibility again. A more efficient way to do it would be to consider the List to see whether the alternative location might be compatible with it in a given position. If that position was identified, then the Board would relocate everybody and modify the Plan accordingly but before doing so it would publish the information and give administrations the opportunity of commenting on it.

Document 359 foresaw only two cases where an administration was able to comment. The first was when the administration was of the opinion that its allotment no longer had the required protection ratio; the second was when the administration indicated to the Board that it was in the process of developing its system. In that case, if it was desired to go into the Japanese proposal to reduce the predetermined arc, a provision might be introduced stating that an administration which indicated that it had a system in the development stage could so indicate and the degree of movement of that allotment would then be limited to a smaller arc.

If the Board could not find a location compatible with the List of assignments actually in use, the problem of compatibility between allotments and existing systems arose: the subject had been resolved in Document DT/55, paragraph 105, which now appeared in Article [L], paragraph 11 of Document 359. Paragraph 11 was well drafted and might satisfy administrations, but it did not tell the Board what to do when there was an incompatibility. He therefore wished to know the decision of the Conference on the relationship between allotments and existing systems. He could find no clear decision as to which should protect the other.

As to how the Board would maintain the Plan with respect to the subregional systems, his understanding was that because the subregional systems were derived from allotments and the allotments of the subregional systems were suspended, the subregional systems would be maintained by the Board with the same status as the assignments derived from the allotments.

As to how the Board would maintain the Plan with respect to additional users, he understood from the document that additional users would have to go through two severe constraints. First, they would have to be compatible with the Plan, which meant that an additional system could use it only if a segment could be found within the orbit which was practically free from other users. The second limit was compatibility with the List, namely compatibility with anything that was in use. Once an additional user had gone through those two limits, it would be entered in the List.

2.22 The Chairman then invited the Committee to consider Document 359 paragraph by paragraph.

2.23 The delegate of the Federal Republic of Germany endorsed that method of procedure and commended the Chairman of Working Group 4-C for his efforts in bringing the results of the work of all 4-C Sub-Groups together into a single document.

2.24 The Vice-Chairman also supported the Chairman's proposal, saying that although the general structure of the document was acceptable, the detailed substance of the various sections called for close scrutiny before the proposed ad hoc Group was established. He had been particularly disturbed by the statement of the Vice-Chairman of the IFRB to the effect that allotments and assignments, being different entities, were not comparable. He wondered how in that case allotments in the Plan which had not been converted to assignments were to be taken into account when the proposed procedures were applied, and on what basis Sub-Working Group 4-B-1 had carried out its analysis of the Allotment Plan and existing systems? A question of fundamental principle was involved.

2.25 The Chairman of Working Group 4-C said that while it was true, as the Vice-Chairman of the IFRB had said, that assignments and allotments were not directly comparable, the proposed procedures did provide a method of converting them to comparable entities in order to ensure that the integrity of the Plan was preserved. Amendment of parts of the text was perhaps necessary to clarify that point.

2.26 The Chairman said it was clearly incumbent on the Conference to find a way to protect the Allotment Plan.

Article [J]

Paragraph 1

After the delegates of the Islamic Republic of Iran and Paraguay had drawn attention to the ambiguity of the word "maintain" in the first line, it was agreed to delete the words "and shall be maintained by the Board in the form of" as redundant.

2.27 On it being pointed out by the delegate of Italy that no allowance had been made for new allotments, the delegate of New Zealand proposed that the words "and allotments added by the Board under Article [K]" should be inserted after "Final Acts of the Conference" on the second line of 1 a).

It was so agreed.

2.28 The delegate of Jordan, in order to make clear that the whole national territory was to be covered, proposed that sub-paragraph a) ii) be amended to read "a national service area".

It was so agreed.

2.29 The delegate of Côte d'Ivoire pointed out that the proposed definition of allotment in Document 357 had not yet been adopted by the Conference and that paragraph 1 a) should be placed in square brackets for the time being.

2.30 In response to a question by the delegate of Algeria, the Chairman said the characteristics referred to in 1 b) were those resulting from modifications to reduce incompatibilities between Parts A and B of the Plan.

2.31 The Chairman of Working Group 4-C noted that the Committee had agreed at an earlier meeting that the characteristics of existing systems could be modified by the Conference or following the Conference, provided the effect of those modifications was to improve compatibility. The wording of the sub-paragraph could perhaps be improved to make that point clear.

2.32 Mr. Bellchambers (IFRB) drew the Committee's attention to the fact that a document containing the revised characteristics of existing systems would, when Working Group 4-B-1 had finished its work, shortly be issued as a Conference document.

2.33 In the light of the discussion, the delegate of Côte d'Ivoire proposed that until those characteristics had been approved by the Conference the phrase "recognized by the Conference" should be placed in square brackets.

2.34 The delegate of Jordan proposed, for clarification, that the word "updated" be added before the word "characteristics".

Both those amendments were adopted.

The meeting rose at 1700 hours.

The Secretary: The Chairman:

F.S. LEITE S. PINHEIRO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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COMMITTEE 4

SUMMARY RECORD

OF THE

FOURTEENTH MEETING OF COMMITTEE 4

(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

Tuesday, 27 September 1988, at 1735 hrs

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed:		Document
1.	Report by the Chairman of Working Group 4-C (continued)	359

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Report by the Chairman of Working Group 4-C (Document 359) (continued)

1.1 The Chairman invited the Committee to continue to express its views on the Report, but without attempting to redraft the text. Redrafting would be done by an ad hoc Group or Groups comprising himself, the Chairman of Working Group 4-C and any interested delegations, in the light of the views expressed in the Committee.

Article [J] (continued)

Paragraphs 1bis and 5

1.2 The delegate of Mexico suggested that paragraph 1bis should be placed in square brackets since it referred to paragraph 5 which his Delegation could not accept as it stood.

1.3 The Chairman replied that paragraph 1bis should be considered on its merits, without prejudging the contents of paragraph 5, which could be modified.

1.4 The delegate of France asked whether the list of assignments was an extract from the Master Register and what its status was.

1.5 The Vice-Chairman of the IFRB explained that many countries considered it vital to find a solution to permit subregional systems to operate with all possible guarantees. If the Conference considered that priorities should be given to such systems, there were two possible approaches. One was to decide that a subregional system should be introduced and operated on the basis of its compatibility with other allotments. The allotment to a subregional system would not go into the Plan, but would be used to ensure compatibility with other allotments. If that approach were adopted, a list would not be necessary but there would be one major drawback judging by the results of the Board's planning exercise, i.e. it would be practically impossible for a group of African countries, for example, to set up a subregional system in view of the very large number of agreements that would be required. The second approach concerned the suspension of national allotments after the establishment of a subregional system. In that case it would be preferable to seek compatibility only with the allotments in service, i.e. those for which there were assignments and it would be advisable to have a list of assignments in order to check compatibility. The list concept raised the fundamental question as to whether the Committee wished to have a Plan with management carried out at the allotment and the assignment levels, or only at the allotment level.

1.6 The Chairman of Working Group 4-C added that it had been recognized in the Working Group that once the conditions to achieve an assignment had been met, that assignment would be protected, in other words, the list would contain only those assignments which had met all the conditions.

1.7 The delegate of Japan said that as his Delegation understood it, allotments which were not suspended could still be protected from assignments and new entries, and in fact Sub-Working Group 4-B-1 was working on calculations of compatibility between assignments and allotments. As allotments were based on generalized parameters, which were related to standardized parameters, a compatibility analysis could be made by using the standardized parameters and the exact technical characteristics of the existing systems. Allotments in the Plan which were not suspended could, therefore, and should be protected. The delegate of Gabon endorsed that view.

1.8 The delegate of Cuba expressed concern at being asked to approve a text mentioning a list without knowing what that list would contain. Given that the main objective of the Conference was to establish an Allotment Plan, it was unthinkable to have a procedure which did not protect the allotments therein; those allotments had to be protected at all times.

1.9 The delegate of Côte d'Ivoire said that his Delegation considered that any Allotment Plan adopted by the Conference should be attached to the Radio Regulations and would consist of Part A, allotments, and Part B a list of existing networks. Assignments could be converted from allotment for stations which were part of an existing system or part of a subregional system, and all assignments should appear in the Master Register. A planned allotment should be protected against assignments but that would not be possible under Section II of Article [L] as it stood.

1.10 The delegate of Tanzania observed that so far the Committee had not paid any attention to the advice given by the Board, whose most recent comment had concerned the management of the Plan at allotment and assignment level, or at allotment level only. The Committee should therefore consider the practicalities of that issue. As many delegations did not fully understand the implications of the matter, they should perhaps take the Board's advice, avoid the theoretical and opt instead for what was practical.

1.11 The delegate of India said that his Delegation considered the Allotment Plan to be a sacred document whose allotments should be protected. However, he wondered what criteria the Board would apply for the protection of an assignment and what differences there might be in establishing criteria for the protection of an assignment and of an allotment.

1.12 The Vice-Chairman of the IFRB replied that the term "protection" should be used very carefully. In the current Radio Regulations, for example, there were two different approaches in evaluating the effect between two assignments, one in Article 12 for terrestrial services, which consisted of calculating the harmful interference which one assignment might cause to another, and the other in Article 11 and Appendix 29 which used a 4% trigger value to indicate whether coordination was required or not. His understanding was that the Allotment Plan was based on generalized parameters which required a trigger value to determine whether or not an agreement between two administrations was required. At assignment level, Working Group 4-C was preparing a black box which would permit an evaluation to be made of the interference between two assignments. If the Conference were to adopt the approach of using generalized parameters for assignments as well as for allotments, it would mean that when an administration wished to bring its assignments into use, it would have to seek the agreement of a number of administrations to be defined.

In response to the comments made by the delegates of Japan and Senegal, he said that the Board was evaluating compatibility between the assignments of existing systems and the allotments in the Plan. In that connection, the Board had created a theoretical network for each existing system; for example, MSAT which used only one or two frequencies for space operation with a very narrow-band would in practice be compatible with a large number of allotments, but because it had been converted into assignments it was now incompatible with a large number of allotments. The Committee therefore had to decide whether it wanted the management of the Plan to be based on a trigger value with coordination carried out by administrations among themselves, or whether it should be based on the evaluation of incompatibilities carried out by the Board.

1.13 The delegate of Jordan said that as his Delegation understood it subregional systems were based on the concept of the suspension of national allotments, which should appear in the list together with any unsuspended national allotments. Any multi-administration project seeking compatibility should then be recorded in the Master Register and, although it would not get the same protection, it would be taken into account when any other projects were submitted.

1.14 The delegate of China said that paragraph 1bis raised the basic question as to whether different degrees of protection should be provided for different assignments. The Conference should first guarantee the implementation of the Allotment Plan, giving the highest priority to the protection of allotments in the Plan and to any assignments converted from allotments. In practice, however, it was very difficult to achieve compatibility if assignments and allotments were put together. The protection of other assignments should consequently be qualified. It was therefore very difficult for his Delegation to accept paragraph 1bis because it did not distinguish between the different types of assignments.

1.15 The delegate of Mexico said that in preparing the Plan, the Conference should guarantee equitable access for all countries, mainly the developing countries, and, consequently, protection for each allotment in the Plan. Maximum protection should also be given to any assignment converted from an allotment. As far as subregional systems were concerned, paragraphs 7 and 9 of Document 239(Rev.2) were quite explicit and he could not understand why the Committee was going back on something which had already been defined.

1.16 The Chairman endorsed those views with regard to Document 239(Rev.2) and suggested that with Sub-Working Group 4-C ad hoc 4 already dealing with the problem of compatibility assessment between assignments and allotments, the Committee might consider the idea of a list which would contain at least assignments derived from allotments. If the Committee so agreed, paragraph 5 could be re-drafted.

1.17 The delegate of Senegal said that he could not agree to that suggestion. As far as he was concerned the list was superfluous and merely duplicated the contents of the Master Register.

1.18 The delegate of Tanzania fully agreed that both allotments and assignments derived from allotments had to be protected. Given those conditions, therefore, he wondered what possibilities there were of introducing a subregional system in some areas of the world.

1.19 The Vice-Chairman of the IFRB, in reply, drew attention to the last page of Document 207 and the graph showing the orbital locations for the Plan. The sector concerning Africa between -30° and +30° was a very crowded area. If administrations in that area wished to create a subregional system, it would mean by suspending some allotments and having them withdrawn from the figure, leaving a segment of the arc where a subregional system might be possible. It would appear impossible, without having recourse to a computer, to add a subregional system to the figure, which would be protected together with the allotments which were at the origin of the system, since it required more orbit than was available in some segments.

1.20 The delegate of Japan recalled that when the inclusion of a subregional system had been discussed in Working Group 4-C and in the Committee, it had been stated that it should be dealt with through procedures. His Delegation had studied the possibility of including a subregional system in some areas, and, as far as Africa was concerned, had created a hypothetical subregional system, using the basic data from Plan 6.1.1.4 in Document 307, where there were nine allotments from -27° to -18°. The hypothetical subregional system covered almost all African countries. The orbital position for the system had been taken as 22°W and by changing the orbital position within the

predetermined arc for some four to six countries and suspending two or three countries, they had reached the conclusion that a subregional system might be feasible. That subregional system should be dealt with through procedures. An ad hoc Group might usefully be set up to study the feasibility question in detail.

1.21 The Chairman suggested that as the Committee was not certain at the present stage whether to have a list or not, it should consider Article [L], which might clarify the situation.

Article [L]

Section I

1.22 The Chairman of Working Group 4-C said that Article [L] was essentially that set out in Document DT/71, modified to reflect the concerns raised by the Vice-Chairman of the IFRB, in particular the possibility in paragraph 5 that two allotments might be incompatible. Although the IFRB considered allotments and assignments to be different, the ad hoc Group would probably recommend that both be dealt with in the same way.

1.23 The delegate of Côte d'Ivoire pointed out that his Delegation's proposal in Document 235 to the effect that subregional systems should be taken into account through the procedures for modifications to the Plan, to the exclusion of any other separate procedure, had not been considered by the Committee.

1.24 The Chairman requested the Delegation of Côte d'Ivoire to resubmit its proposal when the Committee discussed Section II of Article [L], so that it could be considered when an ad hoc Group was set up. He asked delegations to confine their comments to Section I.

1.25 The delegate of the United Kingdom said that the procedures had been constructed on the assumption that there would be a list associated with the Plan. His Delegation had tried to assess the feasibility of introducing subregional systems by procedures by setting a series of test points under the RASCOM project and assessing their impact on a Plan 6.1.1.4. It had found the national allotments of 49 countries within the arc would be suspended and that the national allotments of eight other administrations non participants in the RASCOM system would be reduced to below 26 dB, five marginally and three substantially. However, it was almost certainly possible to restore them without difficulty.

If the RASCOM system were introduced, the frequency assignments must obviously be listed somewhere. No doubt they would be in the Master Register, but they represented, in addition to an operating system, the equality between national allotments and assignments of the systems existing before August 1985 established by the First Session of the Conference and recognized by the Second. His Delegation therefore believed that the concept of the list of frequencies was to the implementation and evolution of the Plan.

1.26 The delegate of Switzerland proposed that the words "three years" in paragraph 1 of Section I should be amended to read "five years" and that the words "not later than three months" should be amended to read "not later than 12 months".

1.27 The delegate of Israel proposed that a time period of thirty days for the Board to return notices to administrations should be mentioned in paragraphs 5 and 7 of Section I.

1.28 The delegate of Tanzania, referring to paragraph 6, asked whether an assignment that failed to be accepted would remain in the alternative Plan.

1.29 The Chairman replied that if an assignment derived from an allotment was not in conformity with the Plan an administration would have the option of choosing to be treated as an additional use.

1.30 The Vice-Chairman of the IFRB said that a procedure for modification of the Plan had been considered by Working Group 4-C. The question of principle as to whether an allotment in the Plan could be modified in paragraph 6. If the Committee considered that it could be so modified, he requested that the IFRB should be told how they could be done, since the Plan was established manually and the Board would have no possibility of establishing another after the Conference.

1.31 The Chairman said that he had understood that the only modification permitted in the Plan would be the accommodation of a new Member of the Union. It would be pointless to modify the Plan and thus constrain its flexibility if no immediate use were to be made of an allotment. When an allotment was to be used it should be converted into an assignment directly.

1.32 The delegate of Tanzania recalled that modifications regarding implementation of subregional systems had been included in the decisions of the First Session of the Conference. The Chairman saw no incompatibility with that decision: an orbital position could be modified to make room for a subregional system when the assignment of that system was notified. The delegate of Tanzania then requested confirmation that the PDA principle would be used for the introduction of subregional systems. The Chairman replied that so far the decision of the PDA principle concerning subregional systems had not been changed.

1.33 After further discussion, the Chairman of Working Group 4-C explained that now that the PDA concept had been incorporated in the procedures there was no longer a need for modification. Paragraph 12 (in Section II) eliminated the need for modifications. In addition, paragraph 16 b) provided the possibility for the Board to allow an administration to select an alternative orbital location. The opportunity of modifying some of the allotments as envisaged in the PDA concept was also provided in Section I, 7 a) and c).

1.34 The delegate of France remarked that if modifications were no longer necessary the considerable work done by Sub-Working Group 4-C ad hoc 2 would be lost. Section I of Article [L] was far more complicated than DT/71 on which it was supposedly to be based and in fact introduced a kind of obstacle race. He suggested that paragraphs 5 and 6 should be moved to a position immediately after paragraph 2 to make the text more comprehensible. Furthermore, since the Vice-Chairman of the IFRB had said that paragraph 11 had no regulatory value he wondered whether it was necessary to retain it.

The Committee had been told that paragraph 10 was necessary to solve possible incompatibility between an allotment converted to an assignment and other assignments and existing systems. Perhaps there could be no compatibility in the most difficult cases. In the Note from the Chairman of the Committee in Document 346 it was stated that an orbital position could only be displaced within the PDA of its allotment if a new protected position ($C/I \geq 26$ dB) could be found within that predetermined arc. He asked for clarification, since that provision no longer appeared to be applicable.

1.35 The Chairman replied that no decision had been taken to revoke the document in question. A decision would, however, have to be taken on whether to delete paragraph 11 of Article [L].

1.36 The Vice-Chairman of the IFRB explained that what he had said was that paragraph 11 contained a provision that applied between administrations but that the IFRB was not concerned unless its assistance was requested under subparagraph 11 c).

If Section I was to be organized on the lines of DT/71, an assignment in line with an allotment would automatically be included in the Master Register. Assignments derived from allotments would be considered by the Board as compatible with each other.

He pointed out that if the time period in paragraph 1 were changed, the same period must be applied to the terrestrial services sharing the same frequency band.

1.37 The delegate of Yugoslavia, referring to paragraph 3 of Article [L], paragraph 5 of Article [J] and paragraph 7 of Article [L], asked what guarantee existed of an allotment being converted to an assignment.

1.38 The Vice-Chairman of the IFRB replied that if assignments derived from allotments in conformity with the Plan were incompatible with each other, a decision might be taken to disregard the incompatibility and record an assignment in conformity with the Plan in the Master Register. However, the allotment might be in conformity with the Plan but incompatible with an existing system. That question had not yet been resolved by Working Group 4-C or by the Committee and therefore needed to be answered.

1.39 The delegate of Colombia said that the complex procedure laid down in Section I for the conversion of an allotment into an assignment, unlike the one indicated in the annex to Document DT/71, was very difficult to satisfy. It therefore went against the sense of Article [J], paragraph 7, and gave priority to existing networks such as those included in Part B of the Plan. The procedure that was needed should make the conversion of allotments into assignments as simple as possible and guarantee them the agreed protection ratio of 26 dB.

1.40 The delegate of Mexico endorsed the concerns expressed by the delegates of Yugoslavia and Colombia about the restrictions that might be imposed on the conversion of allotments into assignments. The problem was that paragraph 7 allowed the IFRB to find a proposed frequency assignment incompatible with any assignment in a list associated with the Plan which included assignments relating to additional uses. It was unacceptable that such additional uses could obstruct the conversion of an allotment into an assignment.

He also agreed with the delegate of France about the ordering of the provisions of Article [L], suggesting that paragraphs 5 and 6 should follow paragraph 2, and paragraph 7 came after paragraph 3. In addition, paragraph 8bis should provide for the IFRB to draw the attention of affected administrations by telegram to the modifications to allotments that it was proposed to publish in a Special Section of the Weekly Circular.

1.41 The delegate of Japan said that paragraphs 3 and 11 should be considered carefully with a view to ensuring the priority of allotments in Part A of the Plan. Secondly, in view of the concept of the predetermined arc (PDA) that had been adopted, an additional paragraph should be inserted between paragraphs 1 and 2, detailing the information needed for a new system requiring to enter the design stage, including the appropriate PDA to accommodate that system.

1.42 The delegate of Cuba considered the proposed procedure complex and confusing. In particular, he wondered if the Board's examination of the notice of a new frequency assignment in respect to its conformity with Part A of the Plan, as prescribed in paragraph 2, could result in the notice being returned to the notifying administration under paragraph 5 if the nominal orbital position notified was not the same as that given in the Plan.

1.43 The Vice-Chairman of the IFRB gave it as his understanding that the notice should be returned to the administration as being not in conformity with the Plan if a different orbital position was notified. The administration could then seek a means of agreeing how to relocate all the other allotments affected, if it so wished.

With regard to earlier questions about the possibility of non-conformity resulting from non-observation of the generalized parameters, an administration would conform to the Plan if it kept within those parameters, but not if it exceeded them. In the latter case, the alternatives were either to adopt a procedure for modifying the Plan that permitted the administration to enter a new generalized parameter, or to consider the assignment as not in conformity with the Plan and enter it as an additional use. There was the further possibility of an administration modifying the service area. If the service area was reduced it would be in conformity with the Plan, but if it was increased the notice would be returned, and the IFRB could not accept any assignment with a service area exceeding national boundaries.

1.44 The delegate of Cuba said that his question had been prompted by the reference in paragraph 7 b) to the possibility of an administration selecting an alternative orbital location, which would not apparently be in conformity with Part A of the Plan. However, even if it was agreed that the orbital location could be different from that allotted in the Plan, the provisions of paragraphs 3 and 8bis gave rise to further questions about the requirements for compatibility with other assignments and, in particular, with additional uses.

1.45 The delegate of Kenya said that Article [L] was unfavourable to developing countries, most of which might find themselves unable to convert their allotments into assignments under its provisions. Their guarantee of access to the GSO was thereby impaired in relation to that of the additional users, most of which were developed countries. He wondered if such users should not be accommodated by improved procedures and in other frequency bands rather than in the Allotment Plan. Furthermore, it was impossible to discuss the list associated with the Plan without knowing what it would contain.

1.46 The delegate of Senegal said that, besides various points made by earlier speakers, it was inappropriate to be considering paragraph 6 of Article [L] before discussing the related paragraph 6 of Article [J] and reaching agreement on the most important points. In addition, further discussion was necessary to clarify paragraph 7 b), which would make the conversion of allotments into assignments more difficult.

1.47 The delegate of Indonesia said that Article [L], Section I, provided no guarantee that allotments under the Plan could be converted into assignments. In fact, it created serious problems because administrations seeking to convert their allotments would have to consider all other assignments, including those to existing and subregional systems, and additional users. The Committee should return to its original Documents 312 and DT/71 to solve the problems involved. Paragraph 6 of Article [L] invited the question whether the hundreds of stations included in the Plan which used five metre antennas, instead of the prescribed seven metre antennas, were to be regarded as in conformity with the Plan or additional users. So far as paragraph 9 was concerned, it was not acceptable to interpret the absence of comments from administrations within thirty days to mean that there were no objections to proposed orbital relocations. There should be a requirement for positive replies from affected administrations before that conclusion was drawn.

1.48 The Chairman said that so far as paragraph 9 was concerned, he understood that the IFRB had been able to find other locations for affected administrations within their predetermined arcs in all cases. The provision had been included to give such administrations the possibility of checking that they were still within their predetermined arc and enjoyed the prescribed 26 dB protection as calculated by the Board. It was most unlikely that anything would be lost by an affected administration which failed to comment within thirty days of a modified orbital location being published in the Weekly Circular.

1.49 The delegate of Jordan proposed the addition to Article [L], paragraph 11, on the resolution of incompatibilities, of a further subparagraph to read:

> "d) in this regard, the original allotment/assignment by the administration having the existing system shall also be considered."

He also questioned the proposal in paragraph 6 to treat the case described in accordance with the provisions of Article [L] relating to additional uses; stating that it would be more appropriate to follow the procedure for modification.

1.50 The delegate of the Islamic Republic of Iran endorsed the views expressed by the delegates of Yugoslavia, Colombia and Mexico. The conversion of allotments into assignments should not depend on complying with complex coordination procedures. Incompatibilities between existing systems and allotments could not be ignored and the Conference must do everything possible to remove them. He therefore hoped that the ad hoc Group proposed by the Chairman would be able to remove the contradictions contained in Document 359.

1.51 The Chairman said that even in the absence of existing systems, there was no guarantee that assignments made in conformity with allotments under the Plan would be mutually compatible. It was simply impossible, therefore, to avoid verification of the compatibility of assignments. The Conference had to make provision for treating incompatibilities. The method advocated was to find a way of accommodating new assignments with the minimum impact on others and without privileging existing assignments.

Since it was impossible to accept the conversion of an allotment into an assignment without verifying its compatibility with others, there had to be a list of assignments. Opinions might differ about what should be included in the list, but the existence of assignments could not be ignored. While the proposals in Document 359 had aroused concern on several points, he believed that many interventions had resulted from the fact that several points still needed further clarification. He therefore invited all those who felt serious concern to join him in informal consultations after the meeting with a view to discussing their problems.

The meeting rose at 2030 hours.

The Secretary:	The Chairman:
F.S. LEITE	S. PINHEIRO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 365-E
3 October 1988
Original: English

COMMITTEE 5

SUMMARY RECORD

OF THE

NINTH MEETING OF COMMITTEE 5

(BROADCASTING-SATELLITE SERVICE (BSS)
MATTERS AND ASSOCIATED PROCEDURES)

Tuesday, 27 September 1988, at 1405 hrs

Chairman: Mr. D. SAUVET-GOICHON (France)

Subjects discussed:		Documents
1.	Fourth report of the Chairman of Working Group 5-A (continued)	313, DT/80, DT/84
2.	Fifth report of the Chairman of Working Group 5-A	335, DT/80
3.	Draft note from the Chairman of Committee 5 to the Chairman of Committee 6	DT/88
4.	Note from the Chairman of Committee 6 to the Chairman of Committee 5	344
5.	Fourth report of Working Group 5-B to Committee 5	360
6.	Professor Mertens: recognition of services to broadcasting	-

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Fourth report of the Chairman of Working Group 5-A (continued)
(Documents 313, DT/80, DT/84)

Document 313 (Attachment 2) - Annex 3 of Appendix 30A, section 1.11

1.1 The Chairman drew attention to the discrepancy between the formula for the overall equivalent protection margin M for Regions 1 and 3, as it appeared in section 1.11 of the document and as it appeared in Appendix 30. To resolve the problem, he suggested that a footnote be appended to the heading "For Regions 1 and 3" in paragraph 1.11 to read: "For Regions 1 and 3, this formula replaces the formula which appears in Appendix 30".

It was so agreed.

Section 2 - Introduction: agreed.

Section 2.1: agreed.

Section 2.2

1.2 The delegate of Egypt pointed out that there were errors in the presentation of the formulae in Step 3 and Step 5.

1.3 Following a comment by the delegate of the USSR, the Chairman said that the titles of Figures 1 and 3 should both read: "Rain climatic zones (Regions 1 and 3)".

Section 2.3: agreed as amended.

Section 2.4: agreed.

Section 2.5

It was agreed to delete the square brackets around the text following the explanation by the Chairman of Working Group 5-A that changes had been made solely to improve the wording.

Section 3.1

1.4 In response to a comment by the delegate of Spain, the Chairman said that the Spanish text for the second sentence of the first paragraph of a) would be aligned with the French text.

It was agreed to delete the square brackets around indents a), b) and c) of part b).

Section 3.2

1.5 In response to the delegate of United Kingdom who considered that a reference should be included for WARC BS-77, Mr. Brooks (IFRB) suggested that the third paragraph should read:

"For down-links, as contained in Appendix 30, the WARC BS-77 has ...", since that Conference was defined in Article 1 of Appendix 30.

It was so agreed.

Section 3.3bis

1.6 The Chairman of Working Group 5-A suggested that, to meet a concern expressed by Mr. Brooks, the second paragraph should end at "... section 3.10". Mr. Brooks then proposed that a cross-reference be added, so that the second paragraph of 3.3bis would read as follows: "... in section 3.10. (See also 5.xx of Article 5 of this Appendix.)"

It was so agreed.

Section 3.4

1.7 The Chairman of Working Group 5-A pointed out that section 3.4.1 included slight improvements and suggested that the square brackets be deleted.

It was so agreed.

1.8 The Chairman of Working Group 5-B proposed that "should" be replaced by "shall" in the last sentence of 3.4.1.

It was so agreed.

1.9 The Chairman of Working Group 5-A informed the Committee that a revised version of Figure [A], in section 3.4.3, would be submitted to the Editorial Committee.

Section 3.5

1.10 The delegate of Italy proposed, for consistency, to replace "should" by "shall".

It was so agreed.

Section 3.6

1.11 Mr. Brooks (IFRB) pointed out that, in the first sentence of the second paragraph of 3.6.3, "will be" should be replaced by "is".

1.12 The delegate of the United Kingdom suggested that, for the sake of accuracy, the first sentence of the second paragraph of that section should read: "...to reduce co-polar interference...".

It was so agreed.

Section 3.7: agreed.

Section 3.8

1.13 Mr. Brooks (IFRB) suggested that the following sentence be added at the end of section 3.8:

"For the definition of the terms direct and indirect polarization, see 3.2.3 of Annex 5 of Appendix 30."

It was so agreed.

Section 3.9: agreed.

Sections 3.11 - 3.13

It was agreed to delete the square brackets from sections 3.11, 3.12, 3.12bis and 3.13.

1.14 The delegate of the Islamic Republic of Iran, supported by Mr. Brooks (IFRB), suggested that the first sentence of section 3.13 read "The Plan is generally based ...", since 6° had not been used throughout.

It was so agreed.

1.15 The Chairman of Working Group 5-B proposed that the second paragraph of section 3.13 should begin: "The Region 1 and 3 Plan is also based ...".

1.16 The Chairman explained that, as previously agreed, the text of section 3.13 would consist of the first paragraph of Attachment 1 to Document DT/80, followed by the text of ii) in Document DT/84, as amended. He confirmed, as pointed out by the delegate of Sweden, that the position of 172°W should be included.

It was so agreed.

1.17 In response to the Chairman's request for clarification on the decision to add a new indent to 5.2.1 of Appendix 30A (DT/84), Mr. Brooks (IFRB) explained that Annex 7 to Appendix 30 imposed certain orbital position limitations related to the Region and, in particular, an e.i.r.p. limit when a new orbital position was used. In his understanding, the intention of the Committee in deciding to add the text contained in i) of Document DT/84, as well as its associated footnote, was to apply to Appendix 30 the conditions specified in Appendix 30A. More specifically, the 8 dB reduction would not apply when there was $\pm 0.2^{\circ}$ deviation or when the orbital positions identified in the first paragraph of section 3.13 were to be used.

1.18 The Chairman of Sub-Working Group 5-B-1 agreed with the interpretation given by Mr. Brooks. The second paragraph of section 3 of Annex 7 to Appendix 30, where the 8 dB reduction in e.i.r.p was discussed, was only to be applied when a new nominal orbital position was to be used, i.e., a position not listed in Appendix 30A. The 8 dB reduction would only apply when the Plan was to be modified. The modification made to Article 5 of Appendix 30A meant that the Plan would not need to be modified if a cluster position were being used. The modification also defined the positions where clusters could be used.

1.19 In response to the delegate of Canada, Mr. Brooks (IFRB) said that the explanations given in the Committee would be reflected in the summary record and that the Board itself would use them in preparing the Rules of Procedure. Thus, the Rules of Procedure relating to the application of Appendix 30 would give the necessary cross-reference and state that the provisions were applicable to Appendix 30.

1.20 The Chairman of Sub-Working Group 5-B-1 added that if a new orbital position were being applied for under the down-link provisions in Appendix 30, it would also be necessary to apply Appendix 30A, since a change to the feeder link plan would be required.

1.21 The delegate of Canada expressed concern that a reader of the Radio Regulations might remain unaware of those provisions. He also pointed out that the title of Annex 3 should refer to "Plans" rather than "Plan".

The Committee took note of the fourth report, as amended.

2. Fifth report of Working Group 5-A (Documents 335 and DT/80)

2.1 The Chairman of Working Group 5-A introduced the fifth report which developed procedures for power control applicable in future developments and re-evaluations and also contained a calculation method for use by the IFRB.

Attachment - Text for Appendix 30A (Annex 3)

Paragraph 3.10 - Introduction: agreed.

Paragraph 3.10.4

At the suggestion of the Chairman, it was agreed to insert as new paragraphs 3.10.4.1 to 3.10.4.4 the text of Section 4 (Procedures) from DT/80, subject to replacement of "whether it is possible" by "where it is possible" in the first sub-paragraph, as indicated by the Chairman of Working Group 5-A.

Paragraph 3.10.1

It was agreed to amend the first sentence of paragraph 3.10.1.6 as follows:

"... or until the e.i.r.p. increase exceeds 10 dB or the rain attenuation (3.10.1.3)."

At the suggestion of Mr. Brooks (IFRB), it was also agreed to delete the second sentence of 3.10.1.8.

Paragraph 3.10.2: agreed.

Paragraph 3.10.3

Following discussion on the text of the accompanying Figure [XX] in which the Chairmen of Working Groups 5-B and 5-B ad hoc and the delegates of Yugoslavia and Egypt took part, it was agreed to refer the whole paragraph back to the Editorial Committee for further consideration.

With the exception of that paragraph, the Committee took note of the fifth report as amended.

3. Draft note from the Chairman of Committee 5 to the Chairman of Committee 6 (Document DT/88)

3.1 The Chairman introduced DT/88 which set out a number of modifications to Articles 11, 12, 13 and 15A consequential to changes made by Committee 5.

Article 11

3.2 Mr. Brooks (IFRB) suggested amending the second half of MOD A.11.1 to read as follows:

"...the frequency bands 17.3 - 17.8 GHz (in Region 2) and in the frequency bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3 and other services in these bands, see also Article 15 and Article 15A respectively."

It was so agreed.

Article 12

3.3 Mr. Brooks (IFRB) said that the band referred to in the fourth line of MOD A.12.4 should be "17.7 - 18.1 GHz" (instead of 17.8 - 18.1 GHz).

Article 13

Approved.

Article 15A

It was agreed to delete the words "in Region 2" in the eighth line of MOD 1668.

The modifications listed in DT/88 were approved, as amended.

4. Note from the Chairman of Committee 6 to the Chairman of Committee 5 (Document 344)

4.1 The Chairman said that the Committee need take no action on the above note for the moment. The communication had been noted and a decision on the review of Resolution 34 would be taken in due course.

5. Fourth report of Working Group 5-B to Committee 5 (Document 360)

5.1 The Chairman of Working Group 5-B introducing the fourth report, pointed out that Resolution [COM5/3] was the product of much discussion and compromise and that the matters dealt with in Attachment 2 (Comments on the IFRB Rules of Procedure) were those which could be solved without modification of the Radio Regulations.

Attachment 1 - Resolution [COM5/3]

5.2 The delegate of Spain, supported by the delegate of Australia, pointed out that the wording of resolves 1 was rather unclear as it gave the impression that the verb "used" referred to the plans rather than to the bands. The delegate of Italy observed that the matter raised was one of substance and not of drafting and urged that the text should remain unchanged.

5.3 The delegate of Mexico, supported by the delegate of the USSR, proposed that in resolves 6, second line, the word "any" should be deleted.

5.4 The delegate of Argentina pointed out that there was an omission at the end of the Spanish text of resolves to recommend 1 and that it should be aligned with the other texts.

5.5 The delegate of Mexico proposed that, in resolves to recommend 2b), line 5, the word "eventualmente" should be introduced and the text following it slightly modified. The delegate of Argentina suggested that it should read: "eventualmente tuviera que ser ajustado o reacomodado". The delegate of the United Kingdom said that he could agree with the text "which might perhaps have to be adjusted or be accommodated elsewhere".

5.6 The delegate of Norway said that, after considering the final version of the text, his Delegation no longer had any reservation on that point.

Resolution [COM5/3] was approved as amended.

Attachment 2 - Comments on the IFRB Rules of Procedure relating to Appendix 30 of the Radio Regulations

5.7 The delegate of Argentina supported by the delegate of the United States, suggested that, in the first paragraph, the words "Document 9" should be replaced by "other documents of the Conference".

It was agreed that Attachment 2, as amended, would be submitted to the Plenary as a report from Committee 5.

6. Professor Mertens: recognition of services to broadcasting

6.1 The Chairman extended the Committee's congratulations to Professor Mertens who had been honoured at the International Broadcasting Conference held in Brighton from 23-27 September 1988 for his services in broadcasting. Professor Mertens responded with thanks to the Committee and to his colleagues.

The meeting rose at 1645 hours.

The Secretary: The Chairman:

G. MESIAS D. SAUVET-GOICHON

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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30 September 1988
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COMMITTEE 6

SUMMARY RECORD

OF THE

EIGHTH MEETING OF COMMITTEE 6

(REGULATORY PROCEDURES (OTHER THAN FOR ALLOTMENT PLANNING AND BSS FEEDER-LINKS))

Tuesday, 27 September 1988, at 1735 hrs

Chairman: Mr. J.F. BROERE (Netherlands)

Subjects discussed:		Documents
1.	Seventh and eighth reports by the Chairman of Working Group 6-B	361, 362

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1. Seventh and eighth reports by the Chairman of Working Group 6-B (Documents 361, 362)

Document 361

1.1 The Chairman of Working Group 6-B introduced the seventh report, drawing attention to some editorial amendments in the report itself and in Annexes 1 and 3. It would be seen from paragraph 3 that ADD 1619B aa) was still under discussion in the Working Group, and had therefore been placed in square brackets. Annex 1 contained proposed additions to Article 14 of the Radio Regulations, and ADD 1619C.1, in particular, had been discussed at length in the Working Group. Some Delegations considered that the text did not cover the situation of non-geostationary-satellite networks, and it had therefore been decided to place the whole provision in square brackets, although the majority of participants in the debate had been in favour of the text as it appeared, noting that Appendix 29 calculations applied only to geostationary-satellite networks. Annex 2 contained a draft Recommendation on the review of Article 14 at a later competent WARC, and Annex 3, a footnote to RR 1060 connecting the successful application of Article 14 with that of the procedure in Section II of Article 11.

Annex 1 - Article 14
ADD 1619C.1

1.2 The delegate of France said that it was necessary to have Appendix 3 information for non-geostationary-satellite networks in order to identify the affected administrations, which must include at least the centre frequency and the bandwidth of the assignment so that coordination could be effected. If the whole bandwidth had to be taken into account, coordination would have to be effected with a very large number of administrations. Moreover, the fact that Article 14 contained no indication of a deadline, made it all the more important to state the part of the band in which the planned network was to be implemented, so that Article 14 could be applied correctly; ideally, a time limit should be set, but the IFRB had difficulty in proposing any such date. The delegate of Saudi Arabia associated himself with those views.

1.3 The delegate of the United Kingdom, supported by the delegate of the United States, said that, while the problem raised was recognized by all, it was nevertheless necessary to protect the geostationary-satellite networks even at the advance publication stage, when there might not be enough information to meet the requirements of the French Delegation. The delegate of the United Kingdom further stated that an acceptable compromise might be to amend the second line of the text by inserting the word "essential" before the words "Appendix 3 information" and replacing the words "when available" by "as soon as possible". The delegate of the USSR endorsed those views, adding that it would be unacceptable to specify provision of information which was applicable only to one particular set of circumstances.

1.4 The delegate of France pointed out that, since the problem related to administrations presumed to be affected, which had either notified the IFRB five years in advance of the bringing into use of their planned satellite networks or were already in the process of manufacturing them, it was hardly conceivable that information on the centre frequency and the bandwidth could not be provided. Even in the case of long-term planning, any serious space programme established the frequency and bandwidth at the very outset, since any subsequent changes of those parameters were very expensive. The word "essential" suggested by the United Kingdom delegate was too vague, as was the phrase "as soon as possible", since lack of the necessary information might result in unacceptable

delay in the manufacture of non-geostationary-satellites. The delegate of Saudi Arabia agreed that a deadline should be fixed for the provision of specific information and further suggested that the word "may" in the first line should be replaced by "shall". The Chairman pointed out that since no time limit could be set, all that could be done was to rely on the good will and cooperation of administrations to provide information in good time.

1.5 The delegate of the USSR observed that the Committee should not concern itself with drafting questions at that stage. The text should either be referred back to Working Group 6-B or deleted for inclusion among the provisions of Article 14 to be reviewed at a future WARC. The delegate of Switzerland agreed that the Committee should not pursue any drafting activities and considered that the provision should be accepted as it stood. The delegates of the United Kingdom and Canada also considered that the text, with the United Kingdom amendment, provided the best compromise solution. The delegate of France said he could agree to that compromise, provided the Saudi Arabian suggestion to replace the words "may be" by "shall be" or "is" was accepted.

1.6 The Chairman suggested that the text thus amended should be approved. If the Saudi Arabian Delegation maintained its reservation, that could be indicated in the Committee's Report to the Plenary.

It was so agreed.

Annex 1, as amended, was approved, subject to further consideration in Working Group 6-B of ADD 1619B aa) and of another possible case not covered by the Annex, notified by the delegate of the United Kingdom.

Annex 2 - Recommendation [COM6/C]

1.7 The delegate of Canada said that the words "here under consideration" should be deleted from the fourth line of considering b).

Annex 2 was approved as amended.

Annex 3 - Proposed amendments to Article 11

Approved.

Document 362

1.8 The Chairman of Working Group 6-B introduced the eighth report containing the Working Group's decisions to date concerning the revision of Article 13. The remainder of the work of Sub-Working Group 6-B-2 on Article 13 would be considered at the Working Group's next meeting. The Committee was invited to note the information contained in paragraphs 2 and 3 of the report. In paragraph 4, it should be noted that one Delegation, Saudi Arabia, had reserved its position on the proposed modification of No. 1550. In deciding upon the nature and format for approving extensions between the conclusion of the Conference and the coming into force of the Final Acts, the Committee should note that the Vice-Chairman of the IFRB had expressed the view that an appropriate reference in the minutes of the Plenary Meeting would be sufficient to give the necessary guidance to the Board. The possibility of employing another mechanism, such as a Resolution or Recommendation, had also been discussed in the Working Group. Lastly, he drew attention to difficulties encountered in connection with the translation into Spanish of certain terms, especially the term "typical" as applied to earth stations, and suggested that the interested Spanish-speaking Delegations should pursue the matter with the Secretary of the Editorial Committee.

The Committee noted that the IFRB Rules of Procedure concerning suspended assignments did not pose any particular difficulty for administrations (paragraph 2 of the report). It also noted the information contained in paragraph 3.

1.9 The delegate of Iraq said that his Delegation wished to join the Delegation of Saudi Arabia in reserving its position on the proposal to modify No. 1550 (paragraph 4 of the report).

1.10 The delegate of the Federal Republic of Germany, supported by the delegate of the United Kingdom, suggested that, in view of the advanced stage of the Conference, the solution of having a reference included in the Plenary minutes should be adopted.

1.11 The delegate of Argentina remarked that the proposed modified text did not indicate what would happen in the case of systems at present in the advance publication or coordination phase. Following talks with representatives of the IFRB, he had prepared a text of a draft Recommendation or Resolution which the Committee might wish to consider.

1.12 The delegate of France having enquired what would be the legal value of a reference in the Conference records, the Legal Adviser said that in order to ensure the provisional application of No. 1550 between the end of the Conference and the coming into force of the Final Acts, it was advisable, in conformity with the practice of the Union, to adopt a short Resolution on the subject.

After further discussion, in which the delegates of Saudi Arabia, Argentina, the United Kingdom and the United States took part, it was agreed to establish an ad hoc Group consisting of the delegates of France, Argentina, the United States and Canada, to be chaired by Mr. Bates (United Kingdom), for the purpose of drafting a Resolution, or possibly two very short Resolutions to cover the points raised in connection with MOD 1550.

Annex 1 - Article 13

It was agreed to maintain the square brackets round the text of footnote 2 to the title of Article 13.

ADD 1494B

At the suggestion of the delegate of Sweden, it was agreed to amend the beginning of the paragraph to read as follows:

"a) the coordination area calculated in accordance with the method given in Appendix 28...".

MOD 1550

1.13 The delegate of Saudi Arabia said that, in addition to the reason given in paragraph 4 of the report, his reservation on the proposed modification was also based on the fact that the text did not specify a procedure in cases where the period indicated had elapsed.

1.14 The Chairman said that the point would be noted in his Report to the Plenary.

Annex 1 to Document 362 was approved with the reservations mentioned in paragraph 4 of the document and during the discussion.

The meeting rose at 1905 hours.

The Secretary: The Chairman:

K. ARASTEH J.F. BROERE

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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WORKING GROUP 6-C

REPORT OF WORKING GROUP 6-C AD HOC 4 TO THE CHAIRMAN OF WORKING GROUP 6-C

Working Group 6-C ad hoc 4 met on 27 September 1988 with the participation of Australia, France, Japan, United Kingdom, United States and Canada to consider 1) Option B of DT/76, 2) the need for a definition for "transportable earth station" and 3) the need for additional symbols in Appendix 10.

The Group considered and agreed to the proposal for additional footnotes to the titles of Articles 11 and 13 as contained in the annex.

With regard to the definition for "transportable earth station" it was decided that the same was not necessary in view of the modifications to RR 22, RR 1494 and existing provisions which support this type of station.

The meeting requested that the IFRB update the symbols in Appendix 10 with particular attention to the new stations identified in DT/76. On this basis this Conference does not need to modify the list in Appendix 10.

W. LONGMAN
Chairman of Working Group 6-C ad hoc 4

Annex: 1

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ANNEX

ADD A.11.3 [3] These procedures are applicable for earth stations of the earth exploration satellite service, space research service, space operation service and radio determination satellite service intended to be used while in motion or during halts at unspecified points.

ADD A.13.3 [3] These procedures are applicable for earth stations of the earth exploration satellite service, space research service, space operation service and radio determination satellite service intended to be used while in motion or during halts at unspecified points.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

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COMMITTEE 5

FIFTH REPORT OF WORKING GROUP 5-B TO COMMITTEE 5

The attached draft for Appendix 30A (excluding Annex 3) is submitted for consideration.

C. DOSCH
Chairman of Working Group 5-B

Attachment

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ATTACHMENT

APPENDIX 30A

Provisions and Associated Plans for the Feeder Links for the Broadcasting-Satellite Service (11.7 - 12.5 GHz in Region 1, 12.2 - 12.7 GHz in Region 2 and 11.7 - 12.2 GHz in Region 3) in the Frequency Bands 14.5 - 14.8 GHz[1] and 17.3 - 18.1 GHz in Regions 1 and 3, and 17.3 - 17.8 GHz in Region 2

ARTICLE 1

General Definitions

1.1 Regions 1 and 3 feeder link Plan: The Plan for the feeder links in the frequency bands 14.5 - 14.8 GHz[1] and 17.3 -18.1 GHz for the broadcasting-satellite service in Regions 1 and 3 contained in this Appendix together with any modifications resulting from the successful application of the procedure of Article 4 of this Appendix herein referred to as the Regions 1 and 3 Plan.

1.2 Region 2 feeder link Plan: The Plan for the feeder links in the frequency band 17.3 - 17.8 GHz for the broadcasting-satellite service in Region 2 contained in this Appendix together with any modifications resulting from the successful application of the procedure of Article 4 of this Appendix herein referred to as the Region 2 Plan.

1.3 Frequency assignment in conformity with the Plans: Any frequency assignment for a receiving space station or transmitting earth station which appears in the Regions 1 and 3 Plan or the Region 2 Plan or for which the procedure of Article 4 of this Appendix has been successfully applied.

1.4 1983 Conference: Regional Administrative Radio Conference for the Planning in Region 2 of the broadcasting-satellite service in the frequency band 12.2 - 12.7 GHz and associated feeder links in the frequency band 17.3 - 17.8 GHz, called in short Regional Administrative Conference for the Planning of the Broadcasting-Satellite Service in Region 2 (RARC SAT-R2), Geneva, 1983.

1.5 1985 Conference: First Session of the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, Geneva, 1985, called in short WARC ORB-85.

1.6 1988 Conference: Second Session of the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, Geneva, 1988, called in short WARC ORB-88.

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[1] The use of the band 14.5 - 14.8 GHz is reserved for countries outside Europe [and for Malta.]

ARTICLE 2

Frequency Bands

2.1 The provisions of this Appendix apply to the feeder links in the fixed-satellite service (Earth-to-space) in the frequency bands 14.5 - 14.8 GHz and 17.3 - 17.8 GHz for the broadcasting-satellite service in Regions 1 and 3, and 17.3 - 17.8 GHz for the broadcasting-satellite service in Region 2 and to other services to which these bands are allocated in Regions 1, 2 and 3 so far as their relationship to the fixed-satellite service (Earth-to-space) in these bands is concerned.

ARTICLE 3

Execution of the Provisions and Associated Plans

3.1 The Members of the Union in Regions 1, 2 and 3 shall adopt for their feeder-link space and earth stations in the fixed-satellite service (Earth-to-space) in the frequency bands referred to in this Appendix the characteristics specified in the appropriate Regional Plan and the associated provisions.

3.2 Members of the Union shall not change the characteristics specified in the Regions 1 and 3 Plan or in the Region 2 Plan, or bring into use assignments to receiving space stations or transmitting earth stations in the fixed-satellite service or to stations of the other services to which these frequency bands are allocated, except as provided for in the Radio Regulations and the appropriate Articles and Annexes of this Appendix.

3.3 In Region 2, the procedures for the use of interim systems for feeder links in the fixed-satellite service for the bands covered by Appendix 30A are given in Resolution [MOD Res.42(Orb-85)].

ARTICLE 4

Procedure for Modifications to the Plans

4.1 When an administration intends to make a modification to one of the Regional Plans, i.e. either:

a) to modify the characteristics of any of its frequency assignments in the fixed-satellite service which are shown in the appropriate Regional Plan, or for which the procedure in this Article has been successfully applied, whether or not the station has been brought into use; or

b) to include in the Plan a new frequency assignment in the fixed-satellite service; or

c) to cancel a frequency assignment in the fixed-satellite service,

the following procedure shall be applied before any notification of the frequency assignment is made to the International Frequency Registration Board (see Article 5 of this Appendix and Resolution [MOD Res.42(Orb-85)]).

4.1.1 Before an administration proposes to include in the Plan under the provisions of 4.1 b) a new frequency assignment for reception at a space station[1] or to include in the Plan a new frequency assignment for reception at a space station whose orbital position is not designated in the Plan to that administration, all of the assignments to the service areas involved should normally have been brought into service or have been notified to the Board in accordance with Article 5 of this Appendix. Should this not be the case, the administration concerned shall inform the Board of the reasons thereof.

4.2 Proposed modifications to a frequency assignment in conformity with one of the Regional Plans or the inclusion in that Plan of a new frequency assignment

For Regions 1 and 3

4.2.1 An administration proposing a modification to the characteristics of a frequency assignment in conformity with the Regions 1 and 3 Plan or the inclusion of a new frequency assignment in that Plan shall seek the agreement of those administrations:

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[1] The expression "frequency assignment for reception at a space station", wherever it appears in this Article, shall be understood to refer to a frequency assignment associated with a given orbital position.

4.2.1.1 of Regions 1 and 3 having a feeder link frequency assignment in the fixed-satellite service (Earth-to-space) in the same channel or an adjacent channel, in the same orbit position or adjacent orbit positions in the range ±12.5°, which appears in the Plan or in respect of which proposed modifications to the Plan have already been published by the Board in accordance with the provisions of paragraphs 4.2.3.1 and 4.2.4 of this Article; or

4.2.1.2 having a frequency assignment in the band 17.7 - 18.1 GHz to an earth station in the fixed-satellite service (space-to-Earth) which is recorded in the Master Register or which has been coordinated or is being coordinated under the provisions of No. 1060 of the Radio Regulations and which is located within the coordination area of the feeder-link fixed satellite earth station;

4.2.1.3 having a frequency assignment in the bands 14.5 - 14.8 GHz or 17.7 - 18.1 GHz to a terrestrial station in use or intended to be brought into use within three years of the projected date of bringing the feeder link modification into use, and which is located within the coordination area of the feeder link fixed satellite earth station;

4.2.1.4 having an assignment for feeder links in the fixed-satellite service (Earth-to-space) with the necessary bandwidth, any portion of which falls within the necessary bandwidth of the proposed assignment, which is in conformity with the Region 2 feeder link Plan, or in respect of which proposed modifications to the Plan have already been published by the Board in accordance with the provisions of paragraphs 4.2.3.1 and 4.2.4 of this Article; or

4.2.1.5 which are considered affected.

4.2.1.6 The services of an administration are considered to be affected when the limits shown in Annex 1 to this Appendix are exceeded.

MOD 4.2.1bis The agreement referred to in 4.2.1 is not required when an administration proposes to bring into use, with characteristics[1] appearing in the Plan, a fixed feeder-link earth station or a transportable feeder-link earth station in the bands 14.5 - 14.8 GHz or 17.3 - 18.1 GHz.

For Region 2

4.2.2 An administration proposing a modification to the characteristics of a frequency assignment in conformity with the Region 2 Plan or the inclusion of a new frequency assignment in that Plan shall seek the agreement of those administrations:

ADD [1] Power are those specified in columns 8 plus 9 of the Plan.

4.2.2.1 of Region 2 having a feeder link frequency assignment in the fixed-satellite service (Earth-to-space) in the same channel or an adjacent channel, which appears in the Plan or in respect of which proposed modifications to the Plan have already been published by the Board in accordance with the provisions of paragraphs 4.2.3.1 and 4.2.4 of this Article; or

4.2.2.2 having a frequency assignment in the band 17.7 - 17.8 GHz to an earth station in the fixed-satellite service (space-to-Earth) which is recorded in the Master Register or which has been coordinated in or is being coordinated under the provisions of No. 1060 of the Radio Regulations and which is located within the coordination area of the feeder link fixed satellite earth station;

4.2.2.3 having a frequency assignment in the band 17.7 - 17.8 GHz to a terrestrial station in use or intended to be brought into use within three years of the projected date of bringing the feeder link modification into use, and which is located within the coordination area of the feeder link fixed satellite earth station;

4.2.2.4 having an assignment for feeder links in the fixed-satellite service (Earth-to-space) with the necessary bandwidth, any portion of which falls within the necessary bandwidth of the proposed assignment, which is in conformity with the Regions 1 and 3 feeder link Plan, or in respect of which proposed modifications to the Plan have already been published by the Board in accordance with the provisions of paragraphs 4.2.3.1 and 4.2.4 of this Article; or

4.2.2.5 which are considered affected.

4.2.2.6 The services of an administration are considered to be affected when the limits shown in Annex 1 to this Appendix are exceeded.

4.2.2bis The agreement referred to in 4.2.2 is not required when an administration proposes to bring into use, with characteristics appearing in the Plan, a fixed feeder-link earth station in the band 17.3 - 17.8 GHz or a transportable feeder-link earth station in the band 17.3 - 17.7 GHz. Administrations may communicate to the Board the characteristics of such earth stations in order to include them in the Plan.

For all Regions

4.2.3 An administration intending to modify characteristics in one of the Regional Plans shall send to the Board, not earlier than eight years but preferably not later than eighteen months before the date on which the assignment is to be brought into use, the relevant information listed in Annex 2 to this Appendix.

4.2.3bis If an administration wishes to modify its assignments in Appendix 30 and Appendix 30A, the eight year period of 4.2.3 will be applicable in lieu of the five year period specified in 4.3.5 of Appendix 30.

4.2.3.1 Where as a result of the intended modification the limits defined in Annex 1 to this Appendix are not exceeded, this fact shall be indicated when submitting to the Board the information required by 4.2.3. The Board shall then publish this information in a special section of its weekly circular.

4.2.3.2 In all other cases the administration shall notify the Board of the names of the administrations whose agreement it considers should be sought in order to arrive at the agreement referred to in 4.2.1 and 4.2.2 as well as of those with which agreement has already been reached.

4.2.4 The Board shall determine on the basis of Annex 1 to this Appendix the administrations whose frequency assignments are considered to be affected within the meaning of 4.2.1 and 4.2.2. The Board shall include the names of those administrations with the information received under 4.2.3.2 and shall publish the complete information in a special section of its weekly circular. The Board shall immediately send the results of its calculations to the administration proposing the modification to the Plan.

4.2.5 The Board shall send a telegram to the administrations listed in the special section of the weekly circular drawing their attention to the information it contains and shall send them the results of its calculations.

4.2.6 An administration which feels that it should have been included in the list of administrations whose services are considered to be affected may, giving the technical reasons for so doing, request the Board to include its name. The Board shall study this request on the basis of Annex 1 to this Appendix and shall send a copy of the request with an appropriate recommendation to the administration proposing the modification to the Plan.

4.2.7 Any modification to a frequency assignment which is in conformity with the Plan or any inclusion in the Plan of a new frequency assignment which would have the effect of exceeding the limits specified in Annex 1 to this Appendix shall be subject to the agreement of all affected administrations.

4.2.8 The administration seeking agreement or the administration with which agreement is sought may request any additional technical information it considers necessary. The administrations shall inform the Board of such requests.

4.2.9 Comments from administrations on the information published pursuant to 4.2.4 should be sent either directly to the administration proposing the modification or through the Board. In any event the Board shall be informed that comments have been made.

4.2.10 An administration which has not notified its comments either to the administration seeking agreement or to the Board, within a period of four months following the date of the weekly circular referred to in 4.2.3.1 or 4.2.4 shall be understood to have agreed to the proposed modification. This time-limit may be extended by up to three months for an administration which has requested additional information under 4.2.8 or for an administration which has requested the assistance of the Board under 4.2.18. In the latter case the Board shall inform the administrations concerned of this request.

4.2.11 If, in seeking agreement, an administration modifies its initial proposal, it shall again apply the provisions of 4.2.3 and the consequent procedure with respect to any other administration whose services might be affected as a result of modifications to the initial proposal.

4.2.12 If no comments have been received on the expiry of the periods specified in 4.2.10, or if agreement has been reached with the administrations which have made comments and with which agreement is necessary, the administration proposing the modification may continue with the appropriate procedure in Article 5 of this Appendix and shall inform the Board, indicating the final characteristics of the frequency assignment together with the names of the administrations with which agreement has been reached.

4.2.13 The agreement of the administrations affected may also be obtained in accordance with this Article, for a specified period.

4.2.14 When the proposed modification to the Plan involves developing countries, administrations shall seek all practicable solutions conducive to the economical development of the broadcasting-satellite systems of these countries.

4.2.15 The Board shall publish in a special section of its weekly circular the information received under 4.2.12 together with the names of any administrations with which the provisions of this Article have been successfully applied. The frequency assignment concerned shall enjoy the same status as those appearing in the Plan and will be considered as a frequency assignment in conformity with the Plan.

4.2.16 When an administration proposing to modify the characteristics of a frequency assignment or to make a new frequency assignment receives notice of disagreement from an administration whose agreement it has sought, it should first endeavour to solve the problem by exploring all possible means of meeting its requirement. If the problem still cannot be solved by such means, the administration whose agreement has been sought should endeavour to overcome the difficulties as far as possible, and shall state the technical reasons for any disagreement if the administration seeking the agreement requests it to do so.

4.2.17 If no agreement is reached between the administrations concerned, the Board shall carry out any study that may be requested by these administrations; the Board shall inform them of the result of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

4.2.18 An administration may at any stage in the procedure described, or before applying it, request the assistance of the Board, particularly in seeking the agreement of another administration.

4.2.19 The relevant provisions of Article 5 of this Appendix shall be applied when frequency assignments are notified to the Board.

4.3 Cancellation of frequency assignments

When a frequency assignment in conformity with one of the Regional Plans is no longer required, whether or not as a result of a modification, the administration concerned shall immediately so inform the Board. The Board shall publish this information in a special section of its weekly circular and delete the assignment from the Plan.

4.4 Master copies of the Plans

4.4.1 The Board shall maintain up-to-date master copies of the Plans as well as master copies of the margin reports, including the overall equivalent protection margins in respect of Region 2 and the feeder-link equivalent protection margins and the overall equivalent protection margins in respect of Regions 1 and 3 of each assignment, taking account of the application of the procedure specified in this Article. Each master copy shall contain the overall equivalent protection margins derived from the Plan as established by the 1983 Conference in the case of Region 2 and the feeder-link equivalent protection margins and the overall equivalent protection margins for the 1988 Conference in the case of Regions 1 and 3 and those derived from all modifications to the Plans as a result of the successful completion of the modification procedure of this Article. The Board shall prepare a document listing the amendments to be made to the Plans as a result of modifications made in accordance with the procedure in this Article.

4.4.2 The Secretary-General shall be informed by the Board of any modifications made to the Regional Plans and shall publish up-to-date versions of the Plans in an appropriate form when justified by the circumstances.

ARTICLE 5

Coordination, Notification, Examination and Recording in the Master Register of Frequency Assignment to Feeder Link Transmitting Earth Stations and Receiving Space Stations in the Fixed-Satellite Service

5.1 Coordination and Notification

Add 5.1.0

When an administration wishes to determine whether it is possible to use, at a given location, an amount of power control which is in excess of that contained in column 9 of the Regions 1 and 3 feeder-link Plan, it shall request the Board to determine the amount of permissible power control (not to exceed 10 dB) from that given location using the procedure contained in section [3.10 of Annex 3] to this Appendix.

5.1.1 Whenever an administration intends to bring into use a frequency assignment to a transmitting earth station or receiving space station in the fixed-satellite service in the bands between 14.5 and 14.8 GHz and between 17.3 and 18.1 GHz in Regions 1 and 3, and between 17.3 and 17.8 GHz in Region 2, it shall notify this frequency assignment to the Board. For this purpose, the notifying administration shall apply the following provisions.

5.1.1bis Before an administration in Regions 1 and 3 notifies to the Board or brings into use any frequency assignment to a transmitting feeder-link earth station in the bands 14.5 - 14.8 GHz and 17.7 - 18.1 GHz with an e.i.r.p. greater than that shown in [columns 8 plus 9] of the Plan it shall effect coordination of this assignment with each administration whose territory lies wholly or partly within the coordination area of the planned earth station using the method detailed in Appendix 28.

5.1.1ter Before an administration in Regions 1 and 3 notifies to the Board or brings into use any frequency assignment to a transmitting feeder-link earth station in the bands 14.5 - 14.8 GHz and 17.7 - 18.1 GHz it shall effect coordination of this assignment with each administration whose territory lies wholly or partly within the coordination area of the planned earth station using the method detailed in Appendix 28 in respect of notices concerning stations of the mobile and fixed services in the bands 14.5 - 14.8 GHz and 17.7 - 18.1 GHz and the fixed-satellite service (space-to-Earth) in the band 17.7 - 18.1 GHz received by the Board for recording prior to 29 August 1988.

5.1.2 For any notification under 5.1.1, an individual notice for each frequency assignment shall be drawn up as prescribed in Annex 2 to this Appendix, the various sections of which specify the basic characteristics to be provided as appropriate. It is recommended that the notifying administration should also supply any other data it may consider useful.

5.1.3 Each notice must reach the Board not earlier than three years before the date on which the frequency assignment is to be brought into use. In any case, the notice must reach the Board not later than three months before that date[1].

5.1.4 Any frequency assignment the notice of which reaches the Board after the applicable period specified in 5.1.3 shall, where it is to be recorded, bear a remark in the Master Register to indicate that it is not in conformity with 5.1.3.

5.1.5 Any notice made under 5.1.1 which does not contain the characteristics specified in Annex 2 to this Appendix shall be returned by the Board immediately by airmail to the notifying administration with the relevant reasons.

5.1.6 Upon receipt of a complete notice, the Board shall include its particulars, with the date of receipt, in its weekly circular which shall contain the particulars of all such notices received since the publication of the previous circular.

5.1.7 The circular shall constitute the acknowledgement to the notifying administration of the receipt of a complete notice.

5.1.8 Complete notices shall be considered by the Board in order of receipt. The Board shall not postpone its finding unless it lacks sufficient data to reach a decision; moreover, the Board shall not act upon any notice which has a technical bearing on an earlier notice still under consideration by the Board until it has reached a finding with respect to such earlier notice.

5.2 Examination and recording

5.2.1 The Board shall examine each notice:

a) with respect to its conformity with the Convention and the relevant provisions of the Radio Regulations (with the exception of those relating to b), c) and d) below); and

b) with respect to its conformity with the appropriate Regional Plan; or

c) with respect to its conformity with the appropriate Regional Plan, however, having characteristics differing from those in the Plan in one or more of the following aspects:

- use of a reduced e.i.r.p.,

- use of a reduced coverage area entirely situated within the coverage area appearing in the Plan,

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[1] Where appropriate, the notifying administration shall initiate the procedure of Article 4 of this Appendix for modifying the Plan in sufficient time to ensure that this limit is observed.

- use of other modulating signals in accordance with the provisions of 3.1.3 of Annex 5 of Appendix 30,

- in the case of Region 2 use of an orbital position under the conditions specified in paragraph B of Annex 7 of Appendix 30,

- in the case of Regions 1 and 3, the use of an orbital position under the conditions specified in [Annex 3 of Appendix 30A][1],

- use of an antenna diameter greater than 5 metres for 17 GHz and 6 metres for 14 GHz without increasing the on-axis e.i.r.p.,

- in the case of Region 2 a use of an antenna diameter greater than 5 metres resulting in a greater on-axis e.i.r.p. if the orbital separation with any other space station is greater than 0.5°, or

d) for Region 2 with respect to its conformity with the provisions of Resolution [MOD Res.42(Orb-85)].

ADD e) for Regions 1 and 3, with respect to its conformity with the provisions of [5.1.1bis and 5.1.1ter] relating to coordination.

MOD 5.2.2 Where the Board reaches a favourable finding with respect to 5.2.1 a) ~~and~~ 5.2.1 b) and 5.2.1 e) the frequency assignment of an administration shall be recorded in the Master Register. The date of receipt of the notice by the Board shall be entered in Column 2d. In relations between administrations all frequency assignments brought into use in conformity with the Plan and recorded in the Master Register shall be considered to have the same status irrespective of the dates entered in Column 2d for such frequency assignments.

MOD 5.2.2.1 Where the Board reaches a favourable finding with respect to 5.2.1 a) ~~and~~ 5.2.1 c) and 5.2.1 e) the frequency assignment shall be recorded in the Master Register. The date of receipt of the notice by the Board shall be entered in Column 2d. In relations between administrations, all frequency assignments brought into use in conformity with the Plan and recorded in the Master Register shall be considered to have the same status irrespective of the dates entered in Column 2d for such frequency assignments. When recording these assignments, the Board shall indicate by an appropriate symbol the characteristics having a value different from that appearing in the Plan.

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[1] The Board shall also apply this provision to 5.2.1 c) of Appendix 30 for Regions 1 and 3.

5.2.2.2 Concerning Region 2, where the Board reaches a favourable finding with respect to 5.2.1 a), but an unfavourable finding with respect to 5.2.1 b) and 5.2.1 c), it shall examine the notice with respect to the successful application of the provisions of [MOD Resolution 42(Orb-85)]. A frequency assignment for which the provisions of [MOD Resolution 42 (Orb-85)] have been successfully applied shall be recorded in the Master Register with an appropriate symbol to indicate its interim status. The date of receipt of the notice by the Board shall be entered in Column 2d. In relations between administrations all frequency assignments brought into use following the successful application of the provisions of [MOD Resolution 42(Orb-85)] and recorded in the Master Register shall be considered to have the same status
ADD irrespective of the dates entered in Column 2d for such frequency assignments. If the finding with respect to 5.2.1 d) is unfavourable the notice shall be returned immediately by airmail to the notifying administration.

5.2.2.2bis Concerning Regions 1 and 3, where the Board reaches a favourable finding with respect to 5.2.1 a) but an unfavourable finding with respect to 5.2.1 b) and c), the notice shall be returned immediately by airmail to the notifying administration with the reasons of the Board for this finding and with such suggestions as the Board may be able to offer with a view to a satisfactory solution of the problem.

ADD 5.2.2.2ter Concerning Regions 1 and 3, where the Board reaches a favourable finding with respect to 5.2.1 a), 5.2.1 b) and 5.2.1 c) but an unfavourable finding with respect to 5.2.1 e), the notice shall be returned immediately by airmail to the notifying administration and the administration shall undertake to only bring this assignment into use with the e.i.r.p. level shown in columns 8 plus 9 of the Regions 1 and 3 Plan.

ADD 5.2.2.2quarto Where an assignment is recorded as a result of a favourable finding with respect to 5.2.1 e), a remark shall be included, indicating that coordination has been affected.

5.2.3 Whenever a frequency assignment is recorded in the Master Register, the finding reached by the Board shall be indicated by a symbol in Column 13a.

5.2.4 Where the Board reaches an unfavourable finding with respect to 5.2.1 a), 5.2.1 b) and 5.2.1 c), the notice shall be returned immediately by airmail to the notifying administration with the reasons of the Board for this finding and with such suggestions as the Board may be able to offer with a view to a satisfactory solution of the problem.

5.2.5 Where the notifying administration resubmits the notice and the finding of the Board becomes favourable with respect to the appropriate parts of 5.2.1, the notice shall be treated as in 5.2.2, 5.2.2.1 or 5.2.2.2 as appropriate.

5.2.6 If the notifying administration resubmits the notice without modification and insists on its reconsideration, and if the Board's finding with respect to 5.2.1 remains unfavourable, the notice is returned to the notifying administration in accordance with 5.2.4. In this case, the notifying administration undertakes not to bring into use the frequency assignment until the condition specified in 5.2.5 is fulfilled.

5.2.7 If a frequency assignment notified in advance of bringing into use in conformity with 5.1.3 has received a favourable finding by the Board with respect to the provisions of 5.2.1, it shall be entered provisionally in the Master Register with a special symbol in the Remarks Column indicating the provisional nature of that entry.

5.2.8 When the Board has received confirmation that the frequency assignment has been brought into use, the Board shall remove the symbol in the Master Register [within 30 days in accordance with RR 1554].

5.2.9 The date in Column 2c shall be the date of bringing into use notified by the administration concerned. It is given for information only.

5.3 Cancellation of entries in the Master Register

5.3.1 If an administration has not confirmed the bringing into use of a frequency assignment under 5.2.8, the Board will make inquiries of the administration not earlier than six months after the expiry of the period specified in 5.1.3. On receipt of the relevant information, the Board will either modify the date of coming into use or cancel the entry.

5.3.2 If the use of any recorded frequency assignment is permanently discontinued, the notifying administration shall so inform the Board within three months, whereupon the entry shall be removed from the Master Register.

ARTICLE 6

Procedure Concerning Coordination Notification and Recording in the Master Register of Frequency Assignments to Receiving Terrestrial Stations in Regions 1 and 3 in the Bands 14.5 - 14.8 GHz and 17.7 - 18.1 GHz, and in Region 2 in the Band 17.7 - 17.8 GHz, when Frequency Assignments to Feeder-Link Transmitting Earth Stations for the Broadcasting-Satellite Service in Conformity with the Regions 1 and 3 Plan or the Region 2 Plan are Involved

MOD 6.1 Administrations planning to implement assignments for terrestrial stations in Regions 1 and 3 in the bands 14.5 - 14.8 GHz and 17.7 - 18.1 GHz, and in Region 2 in the 17.7 - 17.8 GHz band should evaluate the level of interference assessed on the basis of coordination contours calculated in accordance with Appendix 28 to the Radio Regulations[1], which might be caused by the closest feeder-link earth station which could be located on the border of the territory of another administration. Should the administration planning terrestrial stations find that interference may be caused by such a feeder-link earth station, it may request the administration responsible for the feeder-link earth station to indicate the geographical coordinates, antenna characteristics and the elevation angle of the horizon around its actual and planned feeder-link earth stations.

6.2 In Region 2 where the entry in the Plan contains information on specific earth stations, this shall be used in the interference calculations mentioned in 6.1 above. In Region 2 where such information is not contained in the Plan an administration which receives a request under 6.1 shall, within a period of three months, provide the details of the feeder-link earth stations and communicate them to the administration planning the terrestrial station and to the Board in order to update the Plan.

6.3 In Regions 1 and 3 an administration which receives a request under 6.1 shall within a period of three months provide the details of the feeder link stations and communicate them to the administration planning the terrestrial station and to the Board for information.

6.4 If, at the end of a period of three months, the administration responsible for the terrestrial station does not receive a reply, it may request the assistance of the Board.

ADD [1] For Regions 1 and 3, the value to be used for the power of the feeder-link earth station is that of columns 8 plus 9 of the Plan.

6.5 If the administration responsible for the feeder-link earth station does not communicate to the Board, within a period of three months the information requested under 6.1, this administration shall only implement its feeder-link earth station provided it does not cause harmful interference to the terrestrial station under consideration.

ADD 6.6 If as a result of the application of this Article, an agreement is reached with the administrations responsible for the feeder-link earth station or no comments have been received the administration responsible for the terrestrial station may notify under Article 12 of the Radio Regulations this station for recording in the master international frequency register. A remark shall be included indicating that either an agreement has been reached or that no comments have been received.

ARTICLE 7

Procedure Concerning Coordination Notification and Recording in the Master Register of Frequency Assignments to Stations in the Fixed-Satellite Service (Space-to-Earth) in Regions 1 and 3 in the Band 17.7 - 18.1 GHz and in Region 2 in the band 17.7 - 17.8 GHz, when Frequency Assignments to Feeder Links for Broadcasting Satellite Stations Appearing in the Regions 1 and 3 Plan or the Region 2 Plan are Involved

7.1 The provisions of Articles 11 and 13 and Appendix 29 of the Radio Regulations are applicable to transmitting space stations in the fixed-satellite service in the band 17.7 - 18.1 GHz together with the provisions of Annex 4 to this Appendix, except that in relationship with feeder-link stations, the relevant criteria mentioned in Appendix 29 to the Radio Regulations are replaced by those given in Section 1 of Annex 4 to this Appendix.

7.2 Administrations planning to implement assignments for receiving earth stations in Regions 1 and 3 in the band 17.7 - 18.1 GHz and in Region 2 in the 17.7 - 17.8 GHz band in the fixed-satellite service (space-to-Earth) should evaluate the level of interference assessed on the basis of coordination contours calculated in accordance with Section 3 of Annex 4 to this Appendix, that might be caused by the closest feeder-link earth station which could be located on the border of the territory of another administration. Should the administration planning receiving earth stations find that interference may be caused by such a feeder-link earth station it may request the administration responsible for the feeder-link earth stations to indicate the geographical coordinates, antenna characteristics and the elevation angle of the horizon around its actual and planned feeder-link earth stations.

7.3 In Region 2 where the entry in the Plan contains information on specific earth stations this shall be used in the interference calculations mentioned in 7.2 above. In Region 2 where such information is not contained in the Plan an administration which receives a request under 7.2 shall, within a period of three months, provide the details of the feeder-link earth stations and communicate them to the administration planning the receiving earth station and to the Board in order to update the Plan.

7.4 In Regions 1 and 3 an administration which receives a request under 7.2 shall within a period of three months provide the details of the feeder-link earth stations and communicate them to the administration planning the receiving earth station and to the Board for information.

7.5 If, at the end of the period of three months, the administration responsible for the fixed-satellite receiving earth station does not receive a reply, it may request the assistance of the Board in this matter.

7.6 If the administration responsible for the feeder-link earth stations does not communicate to the Board, within a period of three months, the information requested under 7.2, this administration shall only implement its feeder-link earth station provided it does not cause harmful interference to the fixed-satellite earth station under consideration.

ADD 7.7 As a result of the application of this Article, an agreement is reached with the administrations responsible for the feeder-link earth station or no comments have been received, and when the station is recorded in the Master Register in the application of Article 13 of the Radio Regulations, the Board shall enter a remark indicating that either an agreement has been reached or that no comments have been received.

NOC ARTICLE 8

Miscellaneous Provisions Relating to the Procedures

ARTICLE 9

The Plan for the Feeder Links in the Fixed-Satellite Service in the Frequency Band 17.3 - 17.8 GHz in Region 2

9.1 COLUMN HEADINGS OF THE PLAN

Col 1 Beam identification (Column 1 contains the symbol designating the country or the geographical area taken from Table No. B1 of the Preface to the International Frequency List followed by the symbol designating the service area).

Col 2 Nominal orbital position, in degrees and hundredths of a degree.

Col 3 Channel number (see Table showing channel numbers and corresponding assigned frequencies).

Col 4 Boresight geographical coordinates, in degrees and hundredths of a degree.

Col 5 Antenna beamwidth. This column contains two figures corresponding to the major axis and the minor axis respectively of the elliptical cross section half-power beam, in degrees and hundredths of a degree.

Col 6 Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree.

Col 7 Polarization (1 - direct, 2 - indirect).[1]

Col 8 Earth station e.i.r.p. in the direction of maximum radiation, in dBW.

Col 9 Remarks

Annex to the Plan[2]

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[1] See Annex 3 (paragraph [3.8]) to this Appendix.

[2] Note - The location of earth stations along with antenna characteristics and elevation angle of the horizon are given as an annex to this Plan.

NOC 9.2 TEXT FOR SYMBOLS IN REMARKS COLUMN OF THE PLAN

NOC 1 to 8

MOD 9/GR... This assignment is part of a group, the number of which follows the symbol. The group consists of the beams and has the number of channels assigned to it as indicated in the table below.

a) The overall equivalent protection margin to be used for the application of Article 4 and Resolution [MOD Res.42(Orb-85)] shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

NOC TABLE 1

NOC Country symbols

NOC TABLE 2

NOTE

The Plan is not reproduced in this draft document.

ARTICLE 9A

The Plan for the Feeder Links in the Fixed-Satellite Service in the Frequency Band 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3

[See the Plan in Document 342.]

ARTICLE 10

Interference

10.1 The Members of the Union shall endeavour to agree on the action required to reduce harmful interference which might be caused by the application of these provisions and the associated Plans.

ARTICLE 11

Period of Validity of the Provisions and Associated Plans

11.1 The provisions and associated Plans have been prepared in order to meet the requirements for feeder links for the broadcasting-satellite service in the bands concerned for a period extending until at least 1 January 1994.

11.2 In any event, the provisions and associated Plans shall remain in force until their revision by a competent administrative radio conference convened in accordance with the relevant provisions of the Convention in force.

ANNEX 1

MOD **Limits for Determining Whether a Service of an Administration is Considered to be Affected by a Proposed Modification to <u>One of the Regional</u> Plans When It Is Necessary Under This Appendix to Seek the Agreement of Any Other Administration**[1]

MOD 1. Limits applicable to protect a frequency assignment in the band 17.7 - <u>18.1</u> GHz to an earth station in the fixed-satellite service (space-to-Earth) (see 4.2.1.2 and 4.2.2.2 of Article 4)

NOC An administration shall be considered as being affected if, upon application of the procedures of Section 3 of Annex 4 to this Appendix, that administration is included in the coordination area of the frequency assignment to a transmitting feeder-link earth station.

NOC For this purpose, the parameters of the transmitting feeder-link earth station, as may be modified from those parameters given in Annex 3 to this Appendix, shall be used.

MOD 2. Limits applicable to protect a terrestrial station in the bands <u>14.5 - 14.8 GHz and</u> 17.7 - <u>18.1</u> GHz (see 4.2.1.3 and 4.2.2.3 of Article 4)

NOC An administration shall be considered as being affected if, upon application of the procedures of Appendix 28 to the Radio Regulations, that administration is included in the coordination area of the frequency assignment to a transmitting feeder-link earth station.[2]

NOC For this purpose, the parameters of the transmitting feeder-link earth station, as may be modified from those parameters given in Annex 3 to this Appendix, shall be used.

NOC [1] Note 1

[2] In Regions 1 and 3 for the application of the procedures of Appendix 28 the e.i.r.p. for the feeder-link earth station is that shown in columns 8 plus 9.

MOD 3. Limits to the change in the overall equivalent protection margin with respect to frequency assignments in conformity with the Region 2 Plan[1]

MOD With respect to the modification to the Region 2 Plan and when it is necessary under this Appendix to seek the agreement of any other administration of Region 2, except in cases covered by [MOD Resolution 42(Orb-85)], an administration shall be considered as being affected if the overall equivalent protection margin[2] corresponding to a test point of its entry in the Plan, including the cumulative effect of any previous modification to the Plan or any previous agreement, falls more than 0.25 dB below 0 dB, or, if already negative, more than 0.25 dB below the value resulting from:

- the Plan as established by the 1983 Conference; or
- a modification of the assignment in accordance with this Appendix; or
- a new entry in the Plan under Article 4 of this Appendix; or
- any agreement reached in accordance with this Appendix except for [MOD Resolution 42(Orb-85)].

4. Limits to the change in the feeder-link equivalent protection margin with respect to frequency assignments in conformity with the Regions 1 and 3 Plan[3]

With respect to the modification to the Region 1 and 3 Plan and when it is necessary under this Appendix to seek the agreement of any other administration of Regions 1 and 3, an administration shall be considered as being affected if the feeder-link equivalent protection margin[4] corresponding to a test point of its entry in the Plan including the cumulative effect of any previous modification to the Plan or any previous agreement, falls more than 0.25 dB below 0 dB, or, if already negative, more than 0.25 dB below the value resulting from:

(MOD) [1] With respect to section 3 the limit specified relates to the overall equivalent protection margin calculated in accordance with Section [1.11 of Annex 3 to this Appendix].

NOC [2] For the definition of the overall equivalent protection margin, see Section 1.14 of Annex 5 to Appendix 30 (ORB-85).

(MOD) [3] With respect to section 4 the limit specified relates to the feeder-link equivalent protection margin calculated in accordance with [Section 1.6bis of Annex 3 to this Appendix].

(NOC) [4] For the definition of the equivalent protection margin, see [Section 1.6bis of Annex 3 to this Appendix].

- the Plan as established by the 1988 Conference; or

- a modification of the assignment in accordance with this Appendix; or

- a new entry in the Plan under Article 4 of this Appendix; or

- any agreement reached in accordance with this Appendix.

5. Limits applicable to protect a frequency assignment in the band 17.3 - 18.1 GHz (Regions 1 and 3) and 17.3 - 17.8 GHz (Region 2) to a receiving space station in the fixed-satellite service (Earth-to-space)

An administration in Regions 1 and 3 shall be considered affected by a proposed modification in Region 2 or vice-versa when the power flux-density arriving at the receiving space station of a broadcasting-satellite feeder-link station would cause an increase in the noise temperature of the feeder-link space station which exceeds the threshold value of $(\Delta T/T)'$ corresponding to 3%,

where:

$\Delta T/T$ is calculated in accordance with the method given in Appendix 29, except that the maximum power densities per Hertz averaged over the worst 1 MHz are replaced by power densities per Hertz averaged over the total RF bandwidth of the feeder-link carriers (24 MHz for Region 2 and 27 MHz for Regions 1 and 3).

Interim systems of Region 2 in accordance with Resolution 42(MOD) shall not be taken into consideration when applying this provision to proposed modifications to the Regions 1 and 3 Plan. However, this provision shall be applied to Region 2 interim systems with respect to the Regions 1 and 3 Plan.

ANNEX 2

Basic Characteristics to be Furnished in Notices[1] Relating to Feeder-Link Stations in the Fixed-Satellite Service Operating in the Frequency Bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz[2]

1. The following information shall be provided in notices relating to both transmitting earth stations and receiving space stations.

1.1 Country and beam identification.

1.2 Assigned frequency or channel number.

1.3 Assigned frequency band.

1.4 Date of bringing into use.

1.5 Designation of emission (as per Article 4 of the Radio Regulations).

1.6 Modulation characteristics:

a) type of modulation;

b) pre-emphasis characteristics;

c) TV system;

d) sound-broadcasting characteristics;

e) frequency deviation;

---

[1] The Board shall develop and keep up-to-date forms of notice to meet fully the statutory provisions of this Annex. The Board is further invited to consider the feasibility of a single notice for feeder-link earth stations operating within more than one feeder-link service area.

[2] Only those notices relating to frequency assignments for space stations and earth stations used for telecommand and tracking purposes associated with the Plan shall be furnished in accordance with Appendix 3.

f) composition of the baseband;

g) type of multiplexing of the video and sound signals;

h) energy dispersal characteristics.

2. The following additional information shall be provided in notices relating to transmitting earth stations.

2.1 Identity of the transmitting feeder-link station.

2.2 For Region 2 in frequency band 17.7 - 17.8 GHz geographical coordinates of the feeder-link earth station.

2.3 For all other cases feeder-link service area for a feeder-link earth station identified by a set of a maximum of ten feeder-link test points.

2.4 Identity of the space station with which communication is to be established.

2.5 Rain-climatic zone.

2.6 Power characteristics of the transmission:

a) The following information is required for each assigned frequency:

- transmit power (dBW) supplied to the input of the antenna;

- for the band 17.3 - 18.1 GHz, the maximum power density per MHz, supplied to the antenna;

- for the band 14.5 - 14.8 GHz, the maximum power density per 4 kHz, averaged over the worst 1 MHz band, supplied to the antenna.

b) Additional information required if power control is used (see Parts 3.10 and 4.10 of Annex 3 to this Appendix):

- mode of control;

- range, expressed in dB, above the transmit power used in a) above.

c) Additional information required if site diversity is used (see Parts 3.11 and 4.11 of Annex 3 to this Appendix):

- identity of other earth station with which diversity operation is to be employed.

2.7 Transmitting antenna characteristics:

a) antenna diameter (metres);

b) gain of the antenna in the direction of maximum radiation referred to an isotropic radiator (dBi);

c) beamwidth in degrees between the half-power points (describe in detail if not symmetrical);

d) the measured radiation diagram of the antenna (taking as a reference the direction of maximum radiation), or the reference radiation diagram to be used for coordination;

e) type of polarization;

f) sense of polarization;

g) the horizon elevation angle in degrees and the antenna gain in the direction of the horizon for each azimuth[5] around the earth station;

h) altitude of the antenna above mean sea level in metres;

i) minimum elevation angle in degrees.

2.8 Regular hours of operation (UTC).

2.9 Coordination.

2.10 Agreements.

2.11 Other information.

2.12 Operating administration or company.

3. The following information shall be provided in notices relating to receiving space stations.

3.1 Orbital position (xxx.xx degrees [East West] from the Greenwich Meridian).

3.2 Identity of the space station.

3.3 Class of station.

---

[5] At suitable increments, e.g. every five degrees, in tabular or graphic form.

3.4 Antenna characteristics:

a) gain of the antenna in the direction of maximum radiation referred to an isotropic radiator (dBi);

b) shape of the beam (circular, elliptical or other);

c) pointing accuracy;

d) type of polarization;

e) sense of polarization;

f) for circular beams, indicate the following:

- half-power beamwidth (degrees);
- co-polar and cross-polar radiation patterns;
- nominal intersection of the antenna beam axis with the Earth; (boresight longitude and latitude);

g) for elliptical beams, indicate the following:

- co-polar and cross-polar radiation patterns;
- rotation accuracy;
- orientation;
- major axis (degrees) at the half-power beamwidth;
- minor axis (degrees) at the half-power beamwidth;
- nominal intersection of the antenna beam axis with the Earth; (boresight longitude and latitude);

h) for beams of other than circular or elliptical shape, indicate the following:

- co-polar and cross-polar gain contours plotted on a map of the Earth's surface, preferably in a radial projection from the satellite on to a plane perpendicular to the axis from the centre of the Earth to the satellite. The isotropic or absolute gain shall be indicated at each contour which corresponds to a decrease in gain of 2, 4, 6, 10 and 20 dB and thereafter at 10 dB intervals down to a value of 0 dB relative to an isotropic radiator;

- wherever practicable, a numerical equation or table providing the necessary information to allow the gain contours to be plotted;

i) for an assignment in the bands 14.5 - 14.8 GHz or 17.7 - 18.1 GHz, the gain in the direction of those parts of the geostationary-satellite orbit which are not obstructed by the Earth. Use a diagram showing estimated gain versus orbit longitude.

3.5 Receiver system noise temperature referred to the output of the antenna.

3.6 Station-keeping accuracy.

3.7 Regular hours of operation (UTC).

3.8 Coordination.

3.9 Agreements.

3.10 Other information.

3.11 Operating administration or company.

3.12 Range of automatic gain control[7].

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[7] See Part [3.9] of Annex 3 to this Appendix.

ANNEX 4

Criteria for Sharing Between Services

1. Threshold values for determining when coordination is required between a transmitting space station in the fixed-satellite service and a receiving space station in the feeder-link Plans in the 17.7 - ~~17.8~~ 18.1 GHz (Regions 1 and 3) and 17.7 - 17.8 GHz (Region 2)

With respect to paragraph 7.1, Article 7 of this Appendix, coordination of a transmitting space station in the fixed-satellite service with a broadcasting satellite feeder-link in the Regions 1 and 3 Plan or the Region 2 Plan is required, for inter-satellite geocentric angular separations of less than ~~10°~~ 3° or greater than 150°, when the power flux-density arriving at the receiving space station of a broadcasting-satellite feeder-link station of another administration would cause an increase in the noise temperature of the feeder-link space station which exceeds a threshold value of $\Delta T/T$ corresponding to ~~10%~~ 4%. $\Delta T/T$ is calculated in accordance with Case II of the method given in Appendix 29.

The above provision does not apply when the geocentric angular separation, between a transmitting space station in the fixed-satellite service and a receiving space station in the feeder-link Plan, exceeds 150° of arc and the free-space power flux-density of the transmitting space station in the fixed-satellite service does not exceed a value of -137 dBW/m^2/MHz on the Earth's surface at the equatorial Earth limb.

2. Not used.

3. Method for the determination of the coordination area around a feeder-link transmitting earth station of the Region 2 and Regions 1 and 3 Plans with respect to receiving earth stations in the fixed-satellite service in the frequency band 17.7 - 18.1 GHz

3.1 Introduction

In the frequency band 17.7 - 17.8 GHz in Region 2 and 17.7 - 18.1 GHz in Regions 1 and 3, which is allocated to the fixed-satellite service, in both the Earth-to-space direction (for broadcasting-satellite service feeder links only), and the space-to-Earth direction, emissions from transmitting feeder-link earth stations may cause interference at receiving earth stations in the fixed-satellite service.

Electromagnetic coupling of an emission originating at a feeder-link earth station into a receiving earth station may occur through two propagation mechanisms or "modes":

Propagation mode (1): coupling along a great circle tropospheric interference horizon path;

Propagation mode (2): coupling through scatter from hydrometeors.

The determination of whether emissions from a feeder-link earth station may cause unacceptable interference in a receiving earth station is by means of coordination contours drawn around a feeder-link earth station on a map. When a receiving earth station is located within either or both coordination contours, i.e., within the coordination area, there is a possibility of unacceptable interference.

The procedure for the determination of the coordination area for a feeder-link earth station in relation to a receiving earth station in the fixed-satellite service is similar to that described in Appendix 28 but differs from it in the details described below.

3.2 - 3.7 No change.

3.8 For Regions 1 and 3 the e.i.r.p. to be assumed is that given in columns [8 plus 9] of the Plan.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 369-E
27 September 1988
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COMMITTEE 5

The attached draft Resolution prepared by Working Group 5-B ad hoc 1 relating to the Possible Extension to Regions 1 and 3 of Provisions for Interim Systems is submitted for consideration.

C. DOSCH
Chairman of Working Group 5-B

Attachment

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Draft

RESOLUTION [COM5/5]

Relating to the Possible Extension to Regions 1 and 3 of Provisions for Interim Systems

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that this Conference has reviewed Resolution 42 of the First Session and has incorporated into the Radio Regulations a modified text of that Resolution containing provisions covering the use of interim systems in Region 2;

b) that this Conference has adopted a feeder-link Plan for the Regions 1 and 3 broadcasting-satellite service;

c) that some administrations in Regions 1 and 3 have expressed interest in adoption, for these Regions, of provisions similar to those adopted for interim systems in Region 2;

d) that the broadcasting-satellite and associated feeder-link Plans for Regions 1 and 3 differ from those adopted for Region 2;

resolves

1) that a future competent conference should consider the application of regulatory provisions covering the operation of interim systems in Regions 1 and 3;

2a) that administrations of Regions 1 and 3 wishing to bring into use interim systems of the broadcasting-satellite service before the date that may be determined by the future competent conference referred to in considering d), may apply the provisions of Article 4 of Appendix 30 or Article 4 of Appendix 30A as appropriate;

2b) when notifying such interim systems, Article 5 of Appendix 30 or Article 5 of Appendix 30A, as appropriate, shall be applied;

invites the Administrative Council

to place this matter on the agenda of the next conference that will consider broadcasting-satellite matters.

INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 7

THIRD SERIES OF TEXTS FROM COMMITTEE 5 TO THE EDITORIAL COMMITTEE

The texts contained in Attachment 1 of Document 360 as amended and adopted by Committee 5 at its ninth meeting are submitted to the Editorial Committee.

D. SAUVET-GOICHON
Chairman of Committee 5

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INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 6

NINTH REPORT OF THE CHAIRMAN OF WORKING GROUP 6-C TO THE CHAIRMAN OF COMMITTEE 6

1. Working Group 6-C held its ninth meeting on 27 September 1988. During this meeting, consideration continued on the tasks assigned to the Working Group with the following results.

2. Article 1 definitions

2.1 The proposal by France (F/301/1) to MOD RR 22 concerning the definition for the fixed-satellite service was approved. The agreed text is shown in the annex to this report for consideration by Committee 6.

2.2 Definitions proposed for mobile earth stations by the United States (USA/283/1-2) were reviewed in the light of draft options presented by the Working Group 6-C Chairman in DT/76. A further proposal was made during the meeting concerning transportable earth stations. The question also arose as to the necessity of addressing the need for symbols in Appendix 10. Based on this discussion, it was decided to establish an ad hoc Group to address these matters:

- Name of Group: Working Group 6-C ad hoc 4;
- Convenor: Mr. Longman (CAN)/Box 382;
- Participants: Australia, France, Japan, the United Kingdom, the United States, Canada and the IFRB;
- Terms of reference:

  i) to review and revise option B presented in DT/76, incorporating appropriate services;

  ii) to review the need for a definition on transportable earth station; and

  iii) examine the need for consequential amendment of symbols in Appendix 10.

2.3 This ad hoc Group was requested to complete its work before the next meeting of Working Group 6-C, which is scheduled for 28 September 1988, at 1545 hours.

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3. Article 8 changes

3.1 It was decided to combine the proposals of Canada and Japan (CAN/60/6 and J/53/21) concerning a new footnote in the Allocation Table in Article 8, indicating that the use of certain bands by the fixed-satellite service is in accordance with the provisions of the new plan being developed in Committee 4. That new footnote, ADD RR 792A, updated in accordance with the instructions of the Working Group meeting, is presented in the annex for Committee 6's consideration.

3.2 The proposal by Malta (MLT/217/1) to remove their name from RR 858 was adopted. During this discussion, the Delegate of Turkey indicated that the IFRB has indicated to them, that the Board's Rules of Procedure will be amended in such a manner so as to accommodate the needs of Turkey concerning the use of the band shown in RR 858. In view of this, Turkey indicated no further action was required on their proposal in Document 257. The agreed modification on RR 858 is presented in the annex for Committee 6's consideration. This proposal supersedes the earlier recommendation in Document 188.

3.3 The same agreement was reached on RR 863. That is, to suppress "and for Malta" from the text, and no further action is required on the proposal from Turkey. However, no agreement could be reached on the proposals to add three countries to RR 863. These proposals resulted from CAN/60/4A, which had been referred back to the Working Group by Committee 6 at its third meeting. During the discussion in the Working Group, it was the opinion of some administrations, that by adding country names to RR 863, thereby permitting use by those administrations of unrestricted fixed-satellite service, then the status of the existing allocations to space and terrestrial services in the Table of Allocations would change. Their concerns extend to include that the sharing conditions will be changed, affecting services not represented at this Conference. Those countries proposing to be added to the footnote were of the opinion that there would be no change in the status of the services in the Allocations Table, and that the sharing among the services would not be changed. The agreed modification to RR 863, and the modifications that could not be agreed, as shown in [ ], is presented to Committee 6 for consideration.

4. Agenda item 7

4.1 The proposals concerning the use of the 10.7 - 11.7 GHz band were addressed by the Working Group (DT/22 - URS/7/13, D/71/1 and IRQ/216/5). In a spirit of compromise, the countries were able to agree to NOC on RR 835. That agreement is shown in the annex for consideration by Committee 6.

5. Proposals concerning mobile-satellite feeder links in the fixed-satellite service

5.1 The proposed Recommendation contained in Document 43(Rev.1), and the associated tests in Documents 6, 198, and AUS/49/27, were once again examined by the Working Group. A proposed text was presented by the United Kingdom as a replacement text for the recommends portion of Document 43(Rev.1). This text was supported, but drew objections as well.

5.2 During the discussion, a number of administrations again questioned the need for such a Recommendation. It was finally recognized that no consensus could be reached, and the matter is referred directly to Committee 6 for consideration. In forwarding this to the Committee, it should be recognized that the purposes of Document 43(Rev.1) were discussed at length, but the actual substance of the Recommendation has not been reviewed or discussed. Accordingly, the proposal contained in Document 43(Rev.1), and the associated Documents 6, 198, and AUS/49/27, are presented to Committee 6 for appropriate disposition.

6. Remaining items

6.1 Besides the definitional matters mentioned in paragraph 2 which are still pending, items that are undergoing further review include the issue of inclined orbits (Documents 295(Rev.1) + Corr.1 and 314). Other items include RR 839, other footnotes in Article 8 pending decisions in other Committees or Working Groups, and Article 27 changes which are also consequential to activities in other Committees.

L.M. PALMER
Chairman of Working Group 6-C

Annex: 1

ANNEX

ARTICLE 1

MOD 22 Fixed-Satellite Service: a radiocommunication service between earth stations at ~~specified fixed points~~, given positions when one or more satellites are used; the given position may be a specified fixed point or any fixed point located in specified areas; in some cases ... services.

ARTICLE 8

ADD 792A The use of the bands 4 500 - 4 800 MHz, 6 725 - 7 025 MHz, 10.7 - 10.95 GHz, 11.2 - 11.45 GHz and 12.75 - 13.25 GHz by the fixed-satellite service shall be in accordance with the provisions of Appendix 30B.

NOC 835

MOD 858 The band 14 -14.5 GHz may be used, within the fixed-satellite service (Earth-to-space), for feeder links for the broadcasting-satellite service, subject to coordination with other networks in the fixed-satellite service. Such use of feeder links is reserved for countries outside Europe ~~and for Malta~~.

MOD 863 [Except in Argentina, Brazil and Canada] the use of the band 14.5 - 14.8 GHz by the fixed-satellite service (Earth-to-space) is limited to feeder links for the broadcasting-satellite service. This use is reserved for countries outside Europe ~~and for Malta~~.

INTERNATIONAL TELECOMMUNICATION UNION

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COMMITTEE 6

NOTE FROM THE CHAIRMAN OF COMMITTEE 5
TO THE CHAIRMAN OF COMMITTEE 6

As a result of the incorporation of the Regions 1 and 3 feeder-link Plan in Appendix 30A, Committee 5 has identified some consequential modifications to Articles 11, 12, 13 and 15A to the Radio Regulations. Committee 5 suggests the changes shown in the annex to this note.

D. SAUVET-GOICHON
Chairman of Committee 5

Annex: 1

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ANNEX

ARTICLE 11

Coordination of Frequency Assignments to Stations in a Space Radiocommunication Service Except Stations in the Broadcasting-Satellite Service and to Appropriate Terrestrial Stations[1]

MOD A.11.1

[1] For the coordination of frequency assignments to stations in the broadcasting-satellite service and other services in the frequency bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2) as well as the coordination of frequency assignments to feeder-link stations utilizing the fixed-satellite service (Earth-to-space) in the frequency bands 17.3 - 17.8 GHz (in Region 2) and in the frequency bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3 and the other services in these bands, see also Article 15 and Article 15A respectively.

ARTICLE 12

Orb-85

Notification and Recording in the Master International Frequency Register of Frequency Assignments[1] to Terrestrial Radiocommunication Stations[2, 3, 4]

MOD A.12.4

[4] For the notification and recording of frequency assignments to terrestrial stations in the frequency bands 14.5 - 14.8 GHz in Regions 1 and 3, 17.7 - 17.8 GHz (in Region 2), and 17.7 - 18.1 GHz (in Regions 1 and 3), so far as their relationship to the fixed-satellite service (Earth-to-space) in this band is concerned, see also Article 15A.

ARTICLE 13

Notification and Recording in the Master International Frequency Register of Frequency Assignments[1] to Radioastronomy and Space Radiocommunication Stations Except Stations in the Broadcasting-Satellite Service[2]

MOD A.13.2 [2] For notification and recording of frequency assignments to stations in the broadcasting-satellite service and other services in the frequency bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2), as well as the notification and recording of frequency assignments to feeder-link stations in the fixed-satellite service (Earth-to-space) in the frequency bands 14.5 - 14.8 GHz in Region 1 (see No. 858) and Region 3, 17.3 - 18.1 GHz in Regions 1 and 3, and 17.3 - 17.8 GHz (in Region 2) and other services in these bands in Region 2, see also Article 15 and Article 15A respectively.

Orb-85 ARTICLE 15A

MOD **Coordination, Notification and Recording of Frequency Assignments to Stations in the Fixed-Satellite Service (Earth-to-Space) in the Frequency Bands 14.5 - 14.8 GHz (in Regions 1 and 3), 17.3 - 18.1 GHz (in Regions 1 and 3) and 17.3 - 17.8 GHz (in Region 2) Providing Feeder Links for the Broadcasting-Satellite Service and also to Stations of Other Services to Which these Bands are Allocated ~~in Region 2,~~ so far as their Relationship to the Fixed-Satellite Service (Earth-to-Space) in ~~this Band~~ these Bands Is Concerned**

MOD 1668 The provisions and associated Plans for feeder links associated with the broadcasting-satellite service, utilizing the fixed-satellite service (Earth-to-space) in the bands 14.5 - 14.8 GHz (in Regions 1 and 3), 17.3 - 18.1 GHz (in Regions 1 and 3) and 17.3 - 17.8 GHz (in Region 2), as contained in Appendix 30A, shall apply to the assignment to and use by feeder links of frequencies in this band and to stations of other services to which these bands are allocated so far as the relationship of these other services to the fixed-satellite service (Earth-to-space) in these bands is concerned ~~in Region 2~~. For feeder links in the fixed-satellite service for the broadcasting-satellite service in Region 2, Resolution 42[(Orb-85)] is also applicable.

1669 to 1681 NOT allocated.

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COMMITTEE 5

DRAFT RESOLUTIONS ON THE RECORDING AND THE PROVISIONAL APPLICATION OF THE REGIONS 1 AND 3 FEEDER-LINK PLAN

As authorized by Committee 5, I submit the following two Resolutions for your consideration.

C. DOSCH
Chairman of Working Group 5-B

Attachment

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

RESOLUTION [COM5/6]

Relating to the Recording in the Master International Frequency Register of the Assignments for Regions 1 and 3 Contained in Appendix 30A (Orb-88)

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

that the provisions and associated feeder-link Plans adopted by this Conference with the appropriate modifications have been incorporated in the Radio Regulations in Appendix 30A (Orb-88);

resolves

that, on the date of signature of the Finals Acts of the Second Session of the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, Geneva, 1988, the frequency assignments in the Plans will be entered in the Master Register. The date of signature of these Finals Acts will be entered, together with an appropriate symbol, in Column 13c opposite these assignments.

RESOLUTION [COM5/7]

Relating to the Provisional Application of the Partial Revision of the Radio Regulations as Contained in the Final Acts of the WARC ORB-88 Prior to its Entry into Force

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the present session has decided to incorporate in the Radio Regulations the provisions and the associated Plans for the fixed-satellite service for feeder links in the bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3;

b) that during the period preceding the date of entry into force of the partial revision of the Radio Regulations, as contained in the Final Acts of the Second Session of the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (WARC ORB-88), administrations of countries of Regions 1 and 3 may wish to bring into use assignments appearing in the Regions 1 and 3 feeder-link Plans or to modify them;

c) that there is a need to apply the interregional sharing criteria developed by this session for all Regions;

further considering

that there is a need for procedures to be applied by all administrations and the IFRB during the interim period referred to in b) above;

resolves

1. that during the period preceding the date of entry into force of the partial revision of the Radio Regulations, as contained in the Final Acts of the WARC ORB-88, administrations and the IFRB shall apply the said partial revision on a provisional basis;

2. that on the date of entry into force of the partial revision of the Radio Regulations, as contained in the Final Acts of the WARC ORB-88, the IFRB shall publish the modifications to the Plans introduced in application of resolves 1. above, in a special section of its weekly circular in order to enter them into the Regions 1 and 3 feeder-link Plan.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 374-E
27 September 1988
Original: English

COMMITTEE 5

The attached report from Working Group 5-B ad hoc 1 on item 8 of the Conference agenda is submitted for consideration.

C. DOSCH
Chairman of Working Group 5-B

Attachment

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REPORT OF WORKING GROUP 5-B AD HOC 1 ON ITEM 8 OF THE AGENDA

In connection with item 8 of the Conference agenda, consideration was given to the possible correction of minor errors in Appendix 30 on the basis of the list submitted by the IFRB in Document 9.

After duly analyzing the list and the texts as adopted in the relevant Final Acts, the following drafting errors were identified:

1. Section 5.2.6 of Article 5 of Appendix 30:

reads: "... for Regions 1 and 3 ..."

shall read: "for Regions 1, 2 and 3 ..."

2. Annex 1, Section 4 of Appendix 30:

reads: "... 4.3.1.3 ..."

shall read: "... 4.3.1.4 ..."

3. Annex 1, Section 8 a) of Appendix 30:

reads: "... Section 5 of this Annex."

shall read: "... Sections 5 a) and 5 b) of this Annex applied to the frequency range 11.7 - 12.5 GHz."

(Note - This errors appears twice.)

4. Curve A in Figure 7 "Co-polar and cross-polar receiving antenna reference patterns in Regions 1 and 3" Section 3.7.2, Annex 5 to Appendix 30:

reads: $-\left[8.5 + 20 \log \left(\frac{\varphi}{\varphi_0}\right)\right]$ for $1.26\,\varphi_0 < \varphi \leqslant 9.55\,\varphi_0$

shall read: $-\left[8.5 + 25 \log \left(\frac{\varphi}{\varphi_0}\right)\right]$ for $1.26\,\varphi_0 < \varphi \leqslant 9.55\,\varphi_0$

Accordingly, the following draft text was prepared:

DRAFT TEXT ON A COMMUNICATION FROM COMMITTEE 5 TO THE PLENARY

The Committee adopted the list of Errata for Appendix 30, as contained in Annex 1, in conformity with Agenda item 8 of the Conference.

Annex: 1

ANNEX

List of Errata for Appendix 30

1. Section 5.2.6 of Article 5 of Appendix 30:

reads: "... for Regions 1 and 3 ..."

shall read: "for Regions 1, 2 and 3 ..."

2. Annex 1, Section 4 of Appendix 30:

reads: "... 4.3.1.3 ..."

shall read: "... 4.3.1.4 ..."

3. Annex 1, Section 8 a) end of first paragraph:

reads: "... Section 5 of this Annex."

shall read: "... Sections 5 a) and 5 b) of this Annex applied to the frequency range 11.7 - 12.5 GHz."

end of second paragraph:

reads: "... Section 5 of this Annex."

shall read: "... Sections 5 a) and 5 b) of this Annex applied to the frequency range 11.7 - 12.5 GHz."

4. Curve A in Figure 7 "Co-polar and cross-polar receiving antenna reference patterns in Regions 1 and 3" Section 3.7.2, Annex 5 to Appendix 30:

reads: $-\left[8.5 + 20 \log \left(\frac{\varphi}{\varphi_0}\right)\right]$ for $1.26\ \varphi_0 < \varphi \leqslant 9.55\ \varphi_0$

shall read: $-\left[8.5 + 25 \log \left(\frac{\varphi}{\varphi_0}\right)\right]$ for $1.26\ \varphi_0 < \varphi \leqslant 9.55\ \varphi_0$

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 375-E
27 September 1988
Original: English

COMMITTEE 7

FIFTH SERIES OF TEXTS FROM COMMITTEE 6 TO THE EDITORIAL COMMITTEE

The texts contained in Annexes 1, 2 and 3 to Document 361 as amended and adopted by Committee 6 at its eighth meeting are submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 376-E
27 September 1988
Original: English

COMMITTEE 7

SIXTH SERIES OF TEXTS FROM COMMITTEE 6 TO THE EDITORIAL COMMITTEE

The texts contained in the annex to Document 362 as amended and adopted by Committee 6 at its eighth meeting are submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

CONF\ORB-2\DOC\376E.TXS

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 377-E
27 September 1988
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Source: Documents 313, 335, DT/80, DT/84

COMMITTEE 7

FOURTH SERIES OF TEXTS FROM COMMITTEE 5 TO THE EDITORIAL COMMITTEE

The texts in Attachment 2 of Document 313 and in the attachment to Document 335 both as amended and adopted by Committee 5 at its ninth meeting are submitted to the Editorial Committee.

D. SAUVET-GOICHON
Chairman of Committee 5

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 378(Rev.1)-E
29 September 1988
Original: English

COMMITTEE 5

Sixth Report from Working Group 5-A to Committee 5

BSS FEEDER-LINK PLANNING

DRAFT PLAN

1. On page 2 for column 9 insert the reference "Annex 3, section 3.10".

2. On page 3:

2.1 in paragraph 1, insert reference to section "3.6.3".

2.2 Insert paragraph 5 below:

"5. This assignment in the Plan is for the period up to 31 December 2001 and during this period Saudi Arabia may use the frequencies 14 516.90 MHz and 14 574.44 MHz instead of channels 01 and 04 respectively."

2.3 Modify the last sentence of paragraph 7 to read:

"Every possible and sufficient technical means shall be adopted, in the space station to eliminate such unwanted frequency radiation".

3. On page 5:

3.1 under 14 525.30 MHz (01) insert the following line:

Col. 1	2	3	4		5		6	7	8	9	10
ARS 00300	17	01	44.6	23.4	4.21	2.48	145	1	82.0	1.7	5

3.2 Under 14 582.84 MHz (04) insert the following line:

Col. 1	2	3	4		5		6	7	8	9	10
ARS 34000	17	04	44.6	23.4	4.21	2.48	145	2	82.0	1.9	5

4. On page 8, change title of Table 2B as follows:

" Table showing correspondence between channel numbers and assigned frequencies for the feeder links in the frequency band 17.3 - 18.1 GHz".

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h. On pages 11, 13, 16, 18 and 20, under the frequencies/channels:

17 385.02 MHz (04)
17 461.74 MHz (08)
17 538.46 MHz (12)
17 615.18 MHz (16)
17 691.90 MHz (20)

modify all the lines for AND 34100 to read:

Col. 1	2	3	4		5		6	7	8	9
AND 34100	-37.0	04	1.6	42.5	0.60	0.60	0	1	84	03
"	"	08	"	"	"	"	"	"	"	"
"	"	12	"	"	"	"	"	"	"	"
"	"	16	"	"	"	"	"	"	"	"
"	"	20	"	"	"	"	"	"	"	"

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 378(Rev.1)-E
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COMMITTEE 5

Sixth report from Working Group 5-A
to Committee 5

BSS FEEDER-LINK PLANNING

DRAFT PLAN

The draft Plan for the feeder links in the fixed-satellite service in the frequency bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3 as reproduced in the annex is submitted for approval by Committee 5.

R. BURTON
Chairman of Working Group 5-A

Annex: 1

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ANNEX

ARTICLE [9A]

Plan for the Feeder Links in the Fixed-Satellite Service in the Frequency Bands 14.5 - 14.8 and 17.3 - 18.1 GHz in Regions 1 and 3

[9.1] COLUMN HEADINGS OF THE PLAN

Col. 1 Beam identification (Column 1 contains the symbol designating the country or the geographical area taken from Table B1 of the Preface to the International Frequency List followed by the symbol designating the service area).

Col. 2 Nominal orbital position, in degrees and tenths of degree.

Col. 3 Channel number (see Tables 2A and 2B showing channel numbers and corresponding assigned frequencies).

Col. 4 Boresight geographical coordinates, in degrees and tenths of a degree.

Col. 5 Antenna beamwidth. This column contains two figures corresponding to the major axis and the minor axis respectively of the elliptical cross-section half-power beam, in degrees and tenths of a degree.

Col. 6 Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree.

Col. 7 Polarization (1 = direct, 2 = indirect).

Col. 8 Nominal earth station e.i.r.p. in dBW.

Col. 9 Permitted increase in earth station e.i.r.p. in dB for purpose of power control (see [ ]).

Col. 10 Remarks.

[9.2] TEXT FOR SYMBOLS IN REMARKS COLUMN OF THE PLAN

1. Fast roll-off space station receiving antenna as defined in Annex 3 (Section ...) of this Appendix.

2. For this assignment the diameter of the earth station antenna is 7 m and the system noise temperature is 3000 K.

3. India may also locate feeder-link earth stations near the point 29°N, 77.3°E on the condition of not affecting the EPMs of other administrations.

4. In order to improve the up-link margins for the channel 23, the satellite receiving antenna will use a shaped beam.

[5. not used]

6. During the Conference Bhutan became the 165th Member of the Union and the Conference decided to provide four assignments for a feeder-link to a BSS space station which had no assignments yet in Appendix 30.

7. This assignment uses feeder-link frequencies which are not a linear translation of the down-link Plan, resulting in the potential radiation of a coherent unwanted frequency corresponding to the second harmonic of the shift frequency and falling in the frequency band allocated to down-links (11.7 - 12.5 GHz).

Every possible and sufficient technical means shall be adopted, on board of the spacecraft, to eliminate such unwanted frequency radiation.

8. This assignment is part of a group, the number of which follows the symbol. The group consists of the beams and has the number of channels assigned to it as indicated in Table 1.

a) The overall equivalent protection margin to be used for the application of Article 4 shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

MOD

TABLE 1

Group	Beams in the group	Number of channels assigned to the group
GR1	TKL05800, TKL05801	2 channels
GR2	NIU05400, NIU05401	2 channels
GR3	CKH05200, CKH05201	4 channels
GR4	CKH05300, CKH05301	4 channels
GR5	REU09700, REU09701	5 channels
GR6	NCL10000, NCL10001	4 channels
GR7	MYT09800, MYT09801	5 channels
GR8	WAL10200, WAL10201	4 channels
GR9	PLM33700, PLM33701	5 channels
GR10	CAR33800, CAR33801	5 channels
GR11	WAK33400, WAK33401	5 channels
GR12	MRL33300, MRL33301	5 channels
GR13	SMA33500, SMA33501	5 channels
GR14	MRA33200, MRA33201	5 channels
GR15	GUM33100, GUM33101	5 channels

9. D and SUI have agreed that their feeder-link channels can be interchanged for a limited period of time ending in the year 2001 as follows:

2 with 22, 6 with 26, 10 with 30, 14 with 34, 18 with 38.

PART A

TABLE 2A

Table showing correspondence between channel numbers and assigned frequencies for the feeder links in the frequency band 14.5 - 14.8 GHz

Channel No.	Feeder assignm. (MHz)
1	14 525.30
2	14 544.48
3	14 563.66
4	14 582.84
5	14 602.02
6	14 621.20
7	14 640.38
8	14 659.56
9	14 678.74
10	14 697.92
11	14 717.10
12	14 736.28
13	14 755.46
14	14 774.64

1	2	3	4		5		6	7	8	9	10
											14525.30 MHZ (01)
IFB02100	5.0	01	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND04300	56.0	01	77.8	11.1	1.36	1.28	172	2	82.0	10.0	3.
IND04400	68.0	01	79.5	22.3	2.19	1.42	146	2	82.0	6.1	3.
ISR11000	-13.0	01	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	01	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	01	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
YMS26700	11.0	01	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
											14544.48 MHZ (02)
CPV30100	-31.0	02	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	02	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04500	56.0	02	76.2	19.5	1.58	1.58	21	1	82.0	10.0	3.
IND04800	68.0	02	86.2	25.0	1.56	0.90	120	1	82.0	6.3	3.
MOZ30700	-1.0	02	34.0	-18.0	3.57	1.38	55	1	82.0	3.6	
NIG11900	-19.0	02	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK12700	38.0	02	69.6	29.5	2.30	2.16	14	2	82.0	3.9	
PNG13100	110.0	02	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	02	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
STP24100	-13.0	02	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	02	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	02	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14563.66 MHZ (03)
IND03800	56.0	03	75.9	33.4	1.52	1.08	33	2	82.0	10.0	3.
IND04700	68.0	03	93.3	11.1	1.92	0.60	96	2	82.0	10.0	3.
IRN10900	34.0	03	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
YMS26700	11.0	03	48.8	15.2	1.76	1.54	176	1	82.0	2.9	
ZMB31400	-1.0	03	27.5	-13.1	2.38	1.48	39	2	82.0	2.9	
											14582.84 MHZ (04)
CPV30100	-31.0	04	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
IND04000	56.0	04	73.0	25.0	1.82	1.48	58	1	82.0	10.0	3.
IND04200	68.0	04	79.3	27.7	2.14	1.16	147	1	82.0	10.0	3.
MOZ30700	-1.0	04	34.0	-18.0	3.57	1.38	55	1	82.0	3.6	
NIG11900	-19.0	04	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK28300	38.0	04	74.7	33.9	1.34	1.13	160	2	82.0	2.8	
PNG27100	128.0	04	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
STP24100	-13.0	04	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	04	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	04	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14602.02 MHZ (05)
IFB02100	5.0	05	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND03900	56.0	05	72.7	11.2	1.26	0.60	107	2	82.0	10.0	3.
IND04600	68.0	05	84.7	20.5	1.60	0.86	30	2	82.0	10.0	3.
ISR11000	-13.0	05	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	05	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	05	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
YMS26700	11.0	05	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
ZMB31400	-1.0	05	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	

1	2	3	4		5		6	7	8	9	10
											14621.20 MHZ (06)
CPV30100	-31.0	06	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	06	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND03700	68.0	06	93.0	25.5	1.46	1.13	40	1	82.0	6.4	3.
IND04100	56.0	06	78.4	16.0	2.08	1.38	35	1	82.0	10.0	3.
MOZ30700	-1.0	06	34.0	-18.0	3.57	1.38	55	1	82.0	3.7	
NIG11900	-19.0	06	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK12700	38.0	06	69.6	29.5	2.30	2.16	14	2	82.0	3.9	
PNG13100	110.0	06	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	06	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
STP24100	-13.0	06	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	06	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	06	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14640.38 MHZ (07)
IFB02100	5.0	07	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND04300	56.0	07	77.8	11.1	1.36	1.28	172	2	82.0	10.0	3.
IND04600	68.0	07	84.7	20.5	1.60	0.86	30	2	82.0	10.0	3.
IRN10900	34.0	07	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
MRC20900	-25.0	07	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
SEN22200	-37.0	07	-14.4	13.8	1.46	1.04	139	1	82.0	5.4	
YMS26700	11.0	07	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
ZMB31400	-1.0	07	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	
											14659.56 MHZ (08)
CPV30100	-31.0	08	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	08	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04100	56.0	08	78.4	16.0	2.08	1.38	35	1	82.0	10.0	3.
IND04800	68.0	08	86.2	25.0	1.56	0.90	120	1	82.0	10.0	3.
MOZ30700	-1.0	08	34.0	-18.0	3.57	1.38	55	1	82.0	3.3	
NIG11900	-19.0	08	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK28300	38.0	08	74.7	33.9	1.34	1.13	160	2	82.0	2.8	
PNG27100	128.0	08	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
STP24100	-13.0	08	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
UGA05100	11.0	08	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14678.74 MHZ (09)
IFB02100	5.0	09	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND03800	56.0	09	75.9	33.4	1.52	1.08	33	2	82.0	10.0	3.
IND04400	68.0	09	79.5	22.3	2.19	1.42	146	2	82.0	6.1	3.
ISR11000	-13.0	09	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	09	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	09	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
YMS26700	11.0	09	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
ZMB31400	-1.0	09	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	

1	2	3	4		5		6	7	8	9	10
											14697.92 MHZ (10)
ETH09200	23.0	10	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04200	68.0	10	79.3	27.7	2.14	1.16	147	1	82.0	3.2	3.
IND04500	56.0	10	76.2	19.5	1.58	1.58	21	1	82.0	10.0	3.
NIG11900	-19.0	10	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PNG13100	110.0	10	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	10	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	10	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	10	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14717.10 MHZ (11)
IFB02100	5.0	11	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND04700	68.0	11	93.3	11.1	1.92	0.60	96	2	82.0	10.0	3.
IRN10900	34.0	11	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
ISR11000	-13.0	11	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	11	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
SEN22200	-37.0	11	-14.4	13.8	1.46	1.04	139	1	82.0	5.4	
ZMB31400	-1.0	11	27.5	-13.1	2.38	1.48	39	2	82.0	2.9	
											14736.28 MHZ (12)
CPV30100	-31.0	12	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	12	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04000	56.0	12	73.0	25.0	1.82	1.48	58	1	82.0	10.0	3.
MOZ30700	-1.0	12	34.0	-18.0	3.57	1.38	55	1	82.0	3.3	
PAK21000	38.0	12	72.1	30.8	1.16	0.72	90	2	82.0	3.8	
PNG27100	128.0	12	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
STP24100	-13.0	12	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
											14755.46 MHZ (13)
IND03900	56.0	13	72.7	11.2	1.26	0.60	107	2	82.0	10.0	3.
NMB02500	-19.0	13	17.5	-21.6	2.66	1.90	48	1	82.0	2.7	
											14774.64 MHZ (14)
IND03700	68.0	14	93.0	25.5	1.46	1.13	40	1	82.0	6.4	3.
PNG13100	110.0	14	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	14	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	14	0.8	8.6	1.52	0.60	105	1	82.0	5.5	

PART B

TABLE 2B

Table showing correspondence between channel numbers and assigned frequencies in the BSS R1, 3 Plan in the frequency band 17.3 GHz to 18.1 GHz

Channel No.	Feeder assignm. (MHz)	Channel No.	Feeder assignm. (MHz)
1	17 327.48	21	17 711.08
2	17 346.66	22	17 730.26
3	17 365.84	23	17 749.44
4	17 385.02	24	17 768.62
5	17 404.20	25	17 787.80
6	17 423.38	26	17 806.98
7	17 442.56	27	17 826.16
8	17 461.74	28	17 845.34
9	17 480.92	29	17 864.52
10	17 500.10	30	17 883.70
11	17 519.28	31	17 902.88
12	17 538.46	32	17 922.06
13	17 557.64	33	17 941.24
14	17 576.82	34	17 960.42
15	17 596.00	35	17 979.60
16	17 615.18	36	17 998.78
17	17 634.36	37	18 017.96
18	17 653.54	38	18 037.14
19	17 672.72	39	18 056.32
20	17 691.90	40	18 075.50

1	2	3	4		5		6	7	8	9	10
											17327.48 MHZ (01)
AFG24600	50.0	01	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	01	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
CAR33800	122.0	01	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR10
CAR33801	122.0	01	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR10
CHN15500	62.0	01	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16200	92.0	01	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
CHN16300	79.8	01	116.0	39.2	1.20	0.80	132	2	84.0	10.0	
CME30000	-13.0	01	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	01	-3.1	39.9	2.10	1.14	154	1	84.0	5.9	
F 09300	-19.0	01	2.6	45.9	2.50	0.98	160	2	84.0	0.9	
FJI19300	152.0	01	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
GUI19200	-37.0	01	-11.0	10.2	1.58	1.04	147	1	85.0	7.6	
IND03900	56.0	01	72.7	11.2	1.26	0.60	107	2	84.0	10.0	3.
INS03500	104.0	01	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	01	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBY28000	-25.0	01	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	01	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	01	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	
PLM33700	170.0	01	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR9
PLM33701	170.0	01	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR9
POL13200	-1.0	01	17.2	51.8	2.00	2.00	0	1	87.0	0.4	
QAT24700	17.0	01	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	01	12.5	43.9	0.60	0.60	0	2	83.0	10.0	
SWZ31300	-1.0	01	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	01	100.7	13.2	2.82	1.54	106	2	84.0	9.0	
TUR14500	5.0	01	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	01	34.6	-6.2	2.41	1.72	129	2	84.0	6.5	
URS06400	23.0	01	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
URS06702	44.0	01	73.8	41.4	2.00	2.00	0	1	89.0	3.6	2.
WAK33400	140.0	01	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR11
WAK33401	140.0	01	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR11
YUG14800	-7.0	01	18.6	43.8	2.21	0.92	156	2	85.0	10.0	
											17346.66 MHZ (02)
ALG25100	-25.0	02	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	02	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	02	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BOT29700	-1.0	02	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15400	62.0	02	101.9	33.5	5.10	2.80	143	2	84.0	4.3	
CHN16100	92.0	02	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
CKH05200	158.0	02	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
CKH05201	158.0	02	172.3	-39.7	2.88	1.56	47	1	84.0	7.7	8/GR3
CLN21900	50.0	02	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	02	9.6	49.9	1.62	0.72	147	1	84.0	0.2	9.
FNL10300	5.0	02	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
GNB30400	-31.0	02	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND03700	68.0	02	93.0	25.5	1.46	1.13	40	1	84.0	9.0	3.
INS02800	80.2	02	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
IRL21100	-31.0	02	-8.2	53.2	0.84	0.60	162	2	84.0	3.5	
KOR11200	110.0	02	127.5	36.0	1.24	1.02	168	2	89.0	3.2	
LAO28400	74.0	02	103.7	18.1	2.16	0.78	133	1	84.0	9.6	
MAU24200	29.0	02	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLA22800	86.0	02	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32700	-37.0	02	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
MRL33300	146.0	02	153.1	11.5	7.87	3.64	1	2	87.0	3.1	8/GR12
MRL33301	146.0	02	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR12
NCL10000	140.0	02	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR6

1	2	3	4		5		6	7	8	9	10
											17346.66 MHZ (02)
NCL10001	140.0	02	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR6
PAK12700	38.0	02	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
ROU13600	-1.0	02	25.0	45.7	1.38	0.66	155	2	86.0	1.7	
SOM31200	23.0	02	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	02	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
WAL10200	140.0	02	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	02	166.1	-21.3	1.31	0.82	133	2	84.0	9.6	8/GR8
YEM26600	11.0	02	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	02	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17365.84 MHZ (03)
AFG24500	50.0	03	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	03	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	03	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
BRU33000	74.0	03	114.7	4.4	0.60	0.60	0	2	84.0	10.0	
CHN15700	62.0	03	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16000	92.0	03	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
COM20700	29.0	03	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	03	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	03	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	03	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04300	56.0	03	77.8	11.1	1.36	1.28	172	2	84.0	10.0	3.
INS03600	104.0	03	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	03	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	03	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBN27900	11.0	03	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBR24400	-31.0	03	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	03	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	03	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	03	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
MRA33200	122.0	03	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR14
MRA33201	122.0	03	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
NRU30900	134.0	03	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	03	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
SMA33500	170.0	03	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	8/GR13
SMA33501	170.0	03	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	8/GR13
SMO05700	158.0	03	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	03	17.2	51.8	2.00	2.00	0	1	84.0	1.8	
URS06100	23.0	03	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS07300	44.0	03	58.0	59.0	2.00	2.00	0	2	89.0	3.7	2.
VTN32500	86.0	03	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	03	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	03	18.6	43.8	2.21	0.92	156	2	84.0	9.5	

1	2	3	4		5		6	7	8	9	10
											17385.02 MHZ (04)
ALG25200	-25.0	04	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AND34100	-37.0	04	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
ARS00300	17.0	04	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	04	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	04	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BUL02000	-1.0	04	25.0	43.0	2.00	2.00	0	2	84.0	3.3	
CHN15600	62.0	04	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN16100	92.0	04	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
CKH05300	158.0	04	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
CKH05301	158.0	04	172.3	-39.7	2.88	1.56	47	1	84.0	7.7	8/GR4
EGY02600	-7.0	04	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
G 02700	-31.0	04	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04800	68.0	04	86.2	25.0	1.56	0.90	120	1	86.0	8.8	3.
INS02800	80.2	04	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
KOR11200	110.0	04	127.5	36.0	1.24	1.02	168	2	89.0	3.6	
LAO28400	74.0	04	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24300	29.0	04	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLA22800	86.0	04	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32800	-37.0	04	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	04	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
OCE10100	-160.0	04	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
PAK28300	38.0	04	74.7	33.9	1.34	1.13	160	2	84.0	3.7	
RRW31000	11.0	04	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
S 13800	5.0	04	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
URS06000	23.0	04	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
ZAI32200	-19.0	04	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
											17404.20 MHZ (05)
AFG24600	50.0	05	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	05	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BTN03100	86.0	05	90.5	27.3	1.13	0.82	0	2	84.0	9.0	6.
CAR33800	122.0	05	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR10
CAR33801	122.0	05	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR10
CHN15500	62.0	05	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16200	92.0	05	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
CHN16400	79.8	05	112.2	37.4	1.06	0.76	111	2	84.0	10.0	
CME30000	-13.0	05	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	05	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	05	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
FJI19300	152.0	05	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
GUI19200	-37.0	05	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND04400	68.0	05	79.5	22.3	2.19	1.42	146	2	84.0	8.6	3.
INS03500	104.0	05	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	05	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBY28000	-25.0	05	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	05	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	05	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	
PLM33700	170.0	05	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR9
PLM33701	170.0	05	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR9
POL13200	-1.0	05	17.2	51.8	2.00	2.00	0	1	87.0	0.2	
QAT24700	17.0	05	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	05	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	05	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	05	100.7	13.2	2.82	1.54	106	2	84.0	8.9	
TUR14500	5.0	05	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	05	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	

1	2	3	4		5		6	7	8	9	10
											17404.20 MHZ (05)
URS06400	23.0	05	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
URS06700	44.0	05	37.7	55.8	2.00	2.00	0	2	89.0	2.0	2.
WAK33400	140.0	05	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR11
WAK33401	140.0	05	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR11
YUG14800	-7.0	05	18.6	43.8	2.21	0.92	156	2	85.0	9.3	
											17423.38 MHZ (06)
ALG25100	-25.0	06	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	06	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	06	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BOT29700	-1.0	06	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15400	62.0	06	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN16100	92.0	06	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
CKH05200	158.0	06	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
CKH05201	158.0	06	172.3	-39.7	2.88	1.56	47	1	84.0	7.7	8/GR3
CLN21900	50.0	06	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	06	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
FNL10300	5.0	06	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
GNB30400	-31.0	06	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND04500	56.0	06	76.2	19.5	1.58	1.58	21	1	84.0	8.0	3.
INS02800	80.2	06	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
IRL21100	-31.0	06	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KOR11200	110.0	06	127.5	36.0	1.24	1.02	168	2	89.0	3.6	
LAO28400	74.0	06	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24200	29.0	06	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLA22800	86.0	06	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32700	-37.0	06	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
MRL33300	146.0	06	153.1	11.5	7.87	3.64	1	2	87.0	3.1	8/GR12
MRL33301	146.0	06	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR12
NCL10000	140.0	06	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR6
NCL10001	140.0	06	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR6
PAK12700	38.0	06	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
ROU13600	-1.0	06	25.0	45.7	1.38	0.66	155	2	86.0	1.7	
SOM31200	23.0	06	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	06	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
WAL10200	140.0	06	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	06	166.1	-21.3	1.31	0.82	133	2	84.0	9.6	8/GR8
YEM26600	11.0	06	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	06	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17442.56 MHZ (07)
AFG24500	50.0	07	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	07	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	07	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
BRU33000	74.0	07	114.7	4.4	0.60	0.60	0	2	84.0	10.0	
CHN15700	62.0	07	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16000	92.0	07	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
COM20700	29.0	07	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	07	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	07	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	07	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04700	68.0	07	93.3	11.1	1.92	0.60	96	2	84.0	10.0	3.
INS03600	104.0	07	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	07	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	07	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBN27900	11.0	07	35.8	33.9	0.60	0.60	0	1	84.0	5.2	

1	2	3	4	5		6	7	8	9	10
										17442.56 MHZ (07)
LBR24400	-31.0	07	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	07	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	07	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	07	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
MRA33200	122.0	07	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR14
MRA33201	122.0	07	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
NRU30900	134.0	07	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	07	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
SMA33500	170.0	07	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	8/GR13
SMA33501	170.0	07	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	8/GR13
SMO05700	158.0	07	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	07	17.2	51.8	2.00	2.00	0	1	84.0	1.8	
URS06100	23.0	07	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS07200	44.0	07	58.0	59.0	2.00	2.00	0	2	89.0	3.7	2.
VTN32500	86.0	07	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	07	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	07	18.6	43.8	2.21	0.92	156	2	84.0	9.5	
										17461.74 MHZ (08)
ALG25200	-25.0	08	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AND34100	-37.0	08	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
ARS00300	17.0	08	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	08	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	08	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BUL02000	-1.0	08	25.0	43.0	2.00	2.00	0	2	84.0	3.3	
CHN15600	62.0	08	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN17300	92.0	08	115.7	27.4	1.14	0.94	99	2	84.0	9.3	
CKH05300	158.0	08	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
CKH05301	158.0	08	172.3	-39.7	2.88	1.56	47	1	84.0	7.7	8/GR4
EGY02600	-7.0	08	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
G 02700	-31.0	08	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04000	56.0	08	73.0	25.0	1.82	1.48	58	1	84.0	4.7	3.
INS02800	80.2	08	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
KOR11200	110.0	08	127.5	36.0	1.24	1.02	168	2	89.0	3.6	
LAO28400	74.0	08	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24300	29.0	08	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLA22800	86.0	08	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32800	-37.0	08	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	08	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
OCE10100	-160.0	08	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
PAK28300	38.0	08	74.7	33.9	1.34	1.13	160	2	84.0	3.7	
RRW31000	11.0	08	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
S 13800	5.0	08	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
URS06000	23.0	08	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
ZAI32200	-19.0	08	22.4	0.0	2.16	1.88	48	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17480.92 MHZ (09)
AFG24600	50.0	09	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	09	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BTN03100	86.0	09	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CAR33800	122.0	09	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR10
CAR33801	122.0	09	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR10
CHN15500	62.0	09	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16200	92.0	09	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
CHN16500	79.8	09	111.4	41.8	1.58	1.20	15	2	84.0	3.9	
CME30000	-13.0	09	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	09	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	09	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
FJI19300	152.0	09	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
GUI19200	-37.0	09	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND03900	56.0	09	72.7	11.2	1.26	0.60	107	2	84.0	10.0	3.
INS03500	104.0	09	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	09	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBY28000	-25.0	09	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	09	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	09	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	
PLM33700	170.0	09	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR9
PLM33701	170.0	09	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR9
POL13200	-1.0	09	17.2	51.8	2.00	2.00	0	1	87.0	0.2	
QAT24700	17.0	09	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	09	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	09	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	09	100.7	13.2	2.82	1.54	106	2	84.0	8.9	
TUR14500	5.0	09	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	09	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
URS06400	23.0	09	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
URS06700	44.0	09	37.7	55.8	2.00	2.00	0	2	89.0	2.0	2.
WAK33400	140.0	09	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR11
WAK33401	140.0	09	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR11
YUG14800	-7.0	09	18.6	43.8	2.21	0.92	156	2	85.0	9.3	
											17500.10 MHZ (10)
ALG25100	-25.0	10	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	10	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	10	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BOT29700	-1.0	10	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15400	62.0	10	101.9	33.5	5.10	2.80	143	2	84.0	4.7	
CHN17100	92.0	10	117.2	32.0	1.20	0.74	126	2	84.0	10.0	
CHN18700	79.8	10	106.6	26.7	1.14	0.94	179	1	84.0	9.3	
CKH05200	158.0	10	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
CKH05201	158.0	10	172.3	-39.7	2.88	1.56	47	1	84.0	7.7	8/GR3
CLN21900	50.0	10	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	10	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
FNL10300	5.0	10	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
GNB30400	-31.0	10	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND03700	68.0	10	93.0	25.5	1.46	1.13	40	1	84.0	9.7	3.
IRL21100	-31.0	10	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KOR11200	110.0	10	127.5	36.0	1.24	1.02	168	2	89.0	3.6	
LAO28400	74.0	10	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24200	29.0	10	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLI32700	-37.0	10	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
MRL33300	146.0	10	153.1	11.5	7.87	3.64	1	2	87.0	3.1	8/GR12
MRL33301	146.0	10	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR12

1	2	3	4		5		6	7	8	9	10
											17500.10 MHZ (10)
NCL10000	140.0	10	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR6
NCL10001	140.0	10	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR6
PAK12700	38.0	10	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
ROU13600	-1.0	10	25.0	45.7	1.38	0.66	155	2	86.0	1.7	
SOM31200	23.0	10	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	10	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
WAL10200	140.0	10	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	10	166.1	-21.3	1.31	0.82	133	2	84.0	9.6	8/GR8
YEM26600	11.0	10	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	10	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17519.28 MHZ (11)
AFG24500	50.0	11	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	11	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	11	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
CHN15700	62.0	11	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16000	92.0	11	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
COM20700	29.0	11	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	11	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	11	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	11	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04300	56.0	11	77.8	11.1	1.36	1.28	172	2	84.0	10.0	3.
INS03600	104.0	11	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	11	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	11	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBN27900	11.0	11	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBR24400	-31.0	11	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	11	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	11	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	11	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
MRA33200	122.0	11	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR14
MRA33201	122.0	11	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
NRU30900	134.0	11	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	11	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
SMA33500	170.0	11	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	8/GR13
SMA33501	170.0	11	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	8/GR13
SMO05700	158.0	11	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	11	17.2	51.8	2.00	2.00	0	1	84.0	1.8	
URS06101	23.0	11	29.5	51.4	2.00	2.00	0	1	89.0	3.9	2.
VTN32500	86.0	11	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	11	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	11	18.6	43.8	2.21	0.92	156	2	84.0	9.5	

1	2	3	4		5		6	7	8	9	10
											17538.46 MHZ (12)
ALG25200	-25.0	12	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AND34100	-37.0	12	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
ARS00300	17.0	12	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	12	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	12	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BGD22000	74.0	12	90.3	23.6	1.46	0.84	135	1	84.0	8.7	
BUL02000	-1.0	12	25.0	43.0	2.00	2.00	0	2	84.0	3.3	
CHN15600	62.0	12	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN17000	92.0	12	119.5	33.0	1.34	0.64	155	2	84.0	10.0	
CHN17800	79.8	12	111.5	27.4	1.22	0.86	130	1	84.0	9.6	
CKH05300	158.0	12	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
CKH05301	158.0	12	172.3	-39.7	2.88	1.56	47	1	84.0	7.7	8/GR4
DNK08900	5.0	12	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
EGY02600	-7.0	12	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
G 02700	-31.0	12	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04800	68.0	12	86.2	25.0	1.56	0.90	120	1	86.0	8.8	3.
KOR11200	110.0	12	127.5	36.0	1.24	1.02	168	2	89.0	3.4	
MAU24300	29.0	12	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLD30600	44.0	12	73.1	6.0	0.96	0.60	90	1	84.0	10.0	
MLI32800	-37.0	12	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	12	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
OCE10100	-160.0	12	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
PAK21000	38.0	12	72.1	30.8	1.16	0.72	90	2	84.0	5.0	
RRW31000	11.0	12	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
URS06000	23.0	12	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
URS06900	44.0	12	64.8	38.3	2.00	2.00	0	2	89.0	3.7	2.
ZAI32200	-19.0	12	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
											17557.64 MHZ (13)
AFG24600	50.0	13	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	13	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BTN03100	86.0	13	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CAR33800	122.0	13	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR10
CAR33801	122.0	13	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR10
CHN15501	62.0	13	88.3	31.5	3.38	1.45	162	1	84.0	3.3	
CHN18000	92.0	13	113.1	23.1	4.70	3.50	96	1	84.0	10.0	
CME30000	-13.0	13	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	13	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	13	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
GUI19200	-37.0	13	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND04400	68.0	13	79.5	22.3	2.19	1.42	146	2	84.0	8.6	3.
INS03500	104.0	13	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	13	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBY28000	-25.0	13	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	13	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	13	172.3	-39.7	2.88	1.56	47	2	84.0	1.6	
NZL28700	128.0	13	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
PLM33700	170.0	13	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR9
PLM33701	170.0	13	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR9
POL13200	-1.0	13	17.2	51.8	2.00	2.00	0	1	87.0	0.2	
QAT24700	17.0	13	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	13	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	13	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	13	100.7	13.2	2.82	1.54	106	2	84.0	10.0	
TUR14500	5.0	13	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	13	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	

1	2	3	4		5		6	7	8	9	10
											17557.64 MHZ (13)
URS06400	23.0	13	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
URS06701	44.0	13	58.0	59.0	2.00	2.00	0	1	89.0	3.7	2.
WAK33400	140.0	13	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR11
WAK33401	140.0	13	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR11
YUG14800	-7.0	13	18.6	43.8	2.21	0.92	156	2	85.0	9.3	
											17576.82 MHZ (14)
ALG25100	-25.0	14	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	14	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	14	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BGD22000	74.0	14	90.3	23.6	1.46	0.84	135	1	84.0	8.7	
BOT29700	-1.0	14	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15401	62.0	14	83.9	40.5	2.75	2.05	177	2	84.0	3.4	
CHN17200	92.0	14	120.4	29.1	0.96	0.84	123	2	84.0	10.0	
CHN18100	79.8	14	108.5	23.8	1.41	1.08	153	1	84.0	10.0	
CKH05200	158.0	14	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	8/GR3
CKH05201	158.0	14	172.3	-39.7	2.88	1.56	47	1	84.0	1.6	8/GR3
CLN21900	50.0	14	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	14	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
GNB30400	-31.0	14	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND04500	56.0	14	76.2	19.5	1.58	1.58	21	1	84.0	8.0	3.
IRL21100	-31.0	14	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KRE28600	110.0	14	127.0	39.1	1.30	1.10	31	2	87.0	3.2	
MAU24200	29.0	14	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLI32700	-37.0	14	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
MRL33300	146.0	14	153.1	11.5	7.87	3.64	1	2	87.0	3.4	8/GR12
MRL33301	146.0	14	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR12
NCL10000	140.0	14	166.0	-21.0	1.14	0.72	146	2	84.0	9.6	8/GR6
NCL10001	140.0	14	-177.1	-13.6	1.22	0.60	46	2	84.0	10.0	8/GR6
NOR12000	5.0	14	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
PAK21000	38.0	14	72.1	30.8	1.16	0.72	90	2	84.0	5.5	
ROU13600	-1.0	14	25.0	45.7	1.38	0.66	155	2	86.0	1.7	
SOM31200	23.0	14	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	14	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
WAL10200	140.0	14	-176.8	-14.0	0.74	0.60	29	2	84.0	9.6	8/GR8
WAL10201	140.0	14	166.1	-21.3	1.31	0.82	133	2	84.0	9.1	8/GR8
YEM26600	11.0	14	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	14	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17596.00 MHZ (15)
AFG24500	50.0	15	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	15	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	15	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
CHN15800	79.8	15	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
CHN17400	92.0	15	118.1	25.9	1.02	0.84	82	1	84.0	10.0	
COM20700	29.0	15	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	15	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	15	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	15	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04700	68.0	15	93.3	11.1	1.92	0.60	96	2	84.0	10.0	3.
INS03600	104.0	15	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	15	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	15	134.5	31.5	3.52	3.30	68	1	87.0	3.2	
LBN27900	11.0	15	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBR24400	-31.0	15	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	15	17.5	26.3	3.68	1.84	130	1	84.0	1.5	

1	2	3	4		5		6	7	8	9	10
											17596.00 MHZ (15)
LIE25300	-37.0	15	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	15	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
MRA33200	122.0	15	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR14
MRA33201	122.0	15	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
NRU30900	134.0	15	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	15	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
SMA33500	170.0	15	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	8/GR13
SMA33501	170.0	15	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	8/GR13
SMO05700	158.0	15	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	15	17.2	51.8	2.00	2.00	0	1	84.0	1.8	
URS06100	23.0	15	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
VTN32500	86.0	15	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	15	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	15	18.6	43.8	2.21	0.92	156	2	84.0	9.5	
											17615.18 MHZ (16)
ALG25200	-25.0	16	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AND34100	-37.0	16	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
ARS00300	17.0	16	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	16	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	16	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BUL02000	-1.0	16	25.0	43.0	2.00	2.00	0	2	84.0	3.3	
CHN16900	92.0	16	118.5	36.4	1.16	0.76	11	2	84.0	10.0	
CHN18600	62.0	16	102.5	30.2	1.91	1.23	147	1	84.0	10.0	
CKH05300	158.0	16	-161.0	-19.8	1.00	0.60	132	1	84.0	2.2	8/GR4
CKH05301	158.0	16	172.3	-39.7	2.88	1.56	47	1	84.0	10.0	8/GR4
DNK08900	5.0	16	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
EGY02600	-7.0	16	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
G 02700	-31.0	16	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04000	56.0	16	73.0	25.0	1.82	1.48	58	1	84.0	4.7	3.
KRE28600	110.0	16	127.0	39.1	1.30	1.10	31	2	87.0	3.2	
MAU24300	29.0	16	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLA22700	86.0	16	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MLD30600	44.0	16	73.1	6.0	0.96	0.60	90	1	84.0	10.0	
MLI32800	-37.0	16	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	16	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
OCE10100	-160.0	16	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
PHL28500	98.0	16	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
RRW31000	11.0	16	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
URS06000	23.0	16	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
URS06900	44.0	16	64.8	38.3	2.00	2.00	0	2	89.0	3.7	2.
ZAI32200	-19.0	16	22.4	0.0	2.16	1.88	48	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17634.36 MHZ (17)
AUS00500	98.0	17	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
BRM29800	74.0	17	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
BTN03100	86.0	17	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CAR33800	122.0	17	151.1	11.6	6.48	3.49	179	2	87.0	9.6	8/GR10
CAR33801	122.0	17	-157.5	21.0	2.02	0.60	115	2	87.0	10.0	8/GR10
CHN16700	92.0	17	124.3	43.7	1.98	0.72	156	1	84.0	7.9	
CHN18200	79.8	17	108.7	35.1	1.42	0.88	109	2	84.0	10.0	
CME30000	-13.0	17	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	17	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	17	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
GUI19200	-37.0	17	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND04600	68.0	17	84.7	20.5	1.60	0.86	30	2	84.0	10.0	3.
INS03200	80.2	17	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
LBY28000	-25.0	17	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	17	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NPL12200	50.0	17	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
NZL28700	128.0	17	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
PLM33700	170.0	17	-166.3	-0.2	7.97	1.04	72	2	87.0	9.6	8/GR9
PLM33701	170.0	17	-124.8	39.2	4.43	0.73	132	2	87.0	10.0	8/GR9
POL13200	-1.0	17	17.2	51.8	2.00	2.00	0	1	87.0	0.2	
QAT24700	17.0	17	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	17	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	17	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
TUR14500	5.0	17	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	17	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
URS06400	23.0	17	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
WAK33400	140.0	17	152.5	11.7	7.89	3.52	0	1	87.0	9.6	8/GR11
WAK33401	140.0	17	-157.5	21.0	1.63	0.67	131	2	87.0	5.7	8/GR11
YUG14800	-7.0	17	18.6	43.8	2.21	0.92	156	2	85.0	9.3	
											17653.54 MHZ (18)
ALG25100	-25.0	18	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	18	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	18	133.7	-24.4	6.78	5.90	172	1	87.0	4.1	1.
BGD22000	74.0	18	90.3	23.6	1.46	0.84	135	1	84.0	6.5	
BOT29700	-1.0	18	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CBG29900	68.0	18	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN15900	79.8	18	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
CHN18500	62.0	18	95.7	35.4	2.10	1.14	156	2	84.0	10.0	
D 08700	-19.0	18	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
GNB30400	-31.0	18	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND04100	56.0	18	78.4	16.0	2.08	1.38	35	1	84.0	10.0	3.
INS03000	80.2	18	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
IRL21100	-31.0	18	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KRE28600	110.0	18	127.0	39.1	1.30	1.10	31	2	87.0	2.0	
MAU24200	29.0	18	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLA22700	86.0	18	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MLI32700	-37.0	18	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
MRL33300	146.0	18	153.1	11.5	7.87	3.64	1	2	87.0	9.6	8/GR12
MRL33301	146.0	18	-157.5	21.0	1.63	0.67	131	2	87.0	6.9	8/GR12
NOR12000	5.0	18	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
PAK28100	38.0	18	65.2	27.9	1.52	1.42	28	2	84.0	5.2	
PHL28500	98.0	18	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
ROU13600	-1.0	18	25.0	45.7	1.38	0.66	155	2	86.0	1.7	
SOM31200	23.0	18	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	18	18.1	15.5	3.40	1.72	107	1	84.0	1.4	

1	2	3	4		5		6	7	8	9	10
											17653.54 MHZ (18)
URS07000	44.0	18	73.8	41.4	2.00	2.00	0	1	89.0	2.8	2.
YEM26600	11.0	18	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	18	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17672.72 MHZ (19)
AUS00400	98.0	19	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	19	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
BRM29800	74.0	19	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN15800	79.8	19	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
CHN17900	92.0	19	112.2	21.9	1.84	1.22	37	1	84.0	10.0	
GAB26000	-13.0	19	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	19	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	19	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND03800	56.0	19	75.9	33.4	1.52	1.08	33	2	84.0	5.1	3.
INS03200	80.2	19	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
INS03600	104.0	19	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	19	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
LBN27900	11.0	19	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBY32100	-25.0	19	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	19	9.5	47.1	0.60	0.60	0	2	84.0	0.5	
LUX11400	-19.0	19	6.0	49.8	0.68	0.68	0	2	84.0	0.8	
MRA33200	122.0	19	151.1	11.6	6.48	3.49	179	2	87.0	9.6	8/GR14
MRA33201	122.0	19	-157.5	21.0	2.02	0.60	115	2	87.0	10.0	8/GR14
NIU05400	158.0	19	-169.8	-19.0	0.60	0.60	0	1	84.0	10.0	8/GR2
NIU05401	158.0	19	172.3	-39.7	2.88	1.56	47	1	84.0	7.7	8/GR2
NPL12200	50.0	19	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
POR13300	-31.0	19	-8.0	39.6	0.92	0.60	112	1	84.0	5.3	
SMA33500	170.0	19	-166.3	-0.2	7.97	1.04	72	1	87.0	9.6	8/GR13
SMA33501	170.0	19	-124.8	39.2	4.43	0.73	132	1	87.0	10.0	8/GR13
TCH14400	-1.0	19	17.2	51.8	2.00	2.00	0	1	84.0	1.2	
URS06100	23.0	19	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS07700	110.0	19	137.0	50.5	2.00	2.00	0	1	89.0	2.5	2.
YUG14900	-7.0	19	18.6	43.8	2.21	0.92	156	2	84.0	9.4	
											17691.90 MHZ (20)
ALG25200	-25.0	20	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
AND34100	-37.0	20	1.5	42.5	0.61	0.60	153	1	84.0	0.3	
ARS00300	17.0	20	44.6	23.4	4.21	2.48	145	1	84.0	2.2	
AUS00700	128.0	20	133.6	-24.4	6.75	5.90	172	1	87.0	4.1	1.
AUT01600	-19.0	20	12.2	47.5	1.14	0.63	166	1	84.0	1.6	
BGD22000	74.0	20	90.3	23.6	1.46	0.84	135	1	84.0	6.7	
BUL02000	-1.0	20	25.0	43.0	2.00	2.00	0	2	84.0	2.5	
CBG29900	68.0	20	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN15900	79.8	20	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
CHN18400	62.0	20	101.0	37.9	2.78	0.82	144	2	84.0	4.2	
DNK08900	5.0	20	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
EGY02600	-7.0	20	29.7	26.8	2.33	1.72	136	1	86.0	1.6	
G 02700	-31.0	20	-3.5	53.8	1.84	0.72	142	2	84.0	4.8	
IND04200	68.0	20	79.3	27.7	2.14	1.16	147	1	89.0	4.7	3.
INS03000	80.2	20	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
KRE28600	110.0	20	127.0	39.1	1.30	1.10	31	2	87.0	2.0	
MLA22700	86.0	20	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MLI32800	-37.0	20	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
PAK28200	38.0	20	68.5	25.8	1.32	0.62	133	2	84.0	5.0	
PHL28500	98.0	20	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
RRW31000	11.0	20	30.0	-2.1	0.66	0.60	42	1	84.0	7.6	

1	2	3	4		5		6	7	8	9	10
											17691.90 MHZ (20)
TKL05800	158.0	20	-171.8	-8.9	0.70	0.60	35	2	84.0	10.0	8/GR1
TKL05801	158.0	20	172.3	-39.7	2.88	1.56	47	2	84.0	7.7	8/GR1
URS06500	23.0	20	37.7	55.8	2.00	2.00	0	2	89.0	1.1	2.
URS06600	44.0	20	64.8	38.3	2.00	2.00	0	1	89.0	3.8	2.
URS07900	140.0	20	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
ZAI32200	-19.0	20	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
											17711.08 MHZ (21)
ALB29600	-7.0	21	20.1	41.0	1.17	0.65	128	2	84.0	9.8	
AUS00500	98.0	21	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
BEL01800	-19.0	21	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	21	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
BLR06200	23.0	21	29.5	51.4	2.00	2.00	0	1	89.0	0.8	2.
BRM29800	74.0	21	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN17500	92.0	21	121.4	23.8	1.14	0.82	64	1	84.0	10.0	
CHN17600	79.8	21	113.7	33.9	1.20	0.80	141	2	84.0	10.0	
CYP08600	5.0	21	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	21	17.2	51.8	2.00	2.00	0	1	84.0	0.0	
DJI09900	23.0	21	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
GUM33100	122.0	21	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR15
GUM33101	122.0	21	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR15
IND03800	56.0	21	75.9	33.4	1.52	1.08	33	2	84.0	5.1	3.
INS03200	80.2	21	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
ISL04900	-31.0	21	-19.0	64.9	1.00	0.60	177	1	82.0	3.1	
KEN24900	11.0	21	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	21	7.4	43.7	0.60	0.60	0	2	83.0	6.0	
NPL12200	50.0	21	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
NZL28700	128.0	21	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
TON21500	170.0	21	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	21	53.6	24.4	0.98	0.80	162	2	84.0	2.5	
											17730.26 MHZ (22)
AUS00800	128.0	22	133.7	-24.4	6.78	5.90	172	1	87.0	4.1	1.
BDI27000	11.0	22	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
BGD22000	74.0	22	90.3	23.6	1.46	0.84	135	1	84.0	6.5	
CBG29900	68.0	22	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN15900	79.8	22	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
CHN16800	92.0	22	124.8	48.1	2.68	0.92	157	1	84.0	4.0	
CHN18300	62.0	22	104.8	39.0	1.48	0.60	142	2	84.0	4.5	
COG23500	-13.0	22	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	22	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
FNL10400	5.0	22	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
HNG10600	-1.0	22	22.2	45.6	2.00	2.00	0	2	84.0	1.3	
IND04200	68.0	22	79.3	27.7	2.14	1.16	147	1	89.0	4.7	3.
INS03000	80.2	22	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
KRE28600	110.0	22	127.0	39.1	1.30	1.10	31	2	87.0	1.6	
KWT11300	17.0	22	47.6	29.2	0.68	0.60	145	1	84.0	3.2	
MLA22700	86.0	22	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MTN22300	-37.0	22	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
PAK28100	38.0	22	65.2	27.9	1.52	1.42	28	2	84.0	5.4	
PHL28500	98.0	22	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
REU09700	29.0	22	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	22	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
SDN23100	-7.0	22	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	22	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	22	38.3	34.9	1.04	0.90	7	2	84.0	3.2	

1	2	3	4		5		6	7	8	9	10
											17730.26 MHZ (22)
TUN15000	-25.0	22	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
URS07000	44.0	22	73.8	41.4	2.00	2.00	0	1	89.0	2.7	2.
URS08100	140.0	22	168.5	65.5	2.00	2.00	0	2	89.0	10.0	2.
											17749.44 MHZ (23)
AGL29500	-13.0	23	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
ARS34000	17.0	23	44.6	23.4	4.21	2.48	145	2	84.0	1.4	
AUS00400	98.0	23	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
BRM29800	74.0	23	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN15800	79.8	23	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
CVA08500	-37.0	23	10.8	41.5	2.00	0.60	138	1	84.0	10.0	
CNR13000	-31.0	23	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	23	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	23	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	23	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
IND04600	68.0	23	84.7	20.5	1.60	0.86	30	2	84.0	10.0	3.
INS03200	80.2	23	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
ISL05000	5.0	23	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	23	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
NIU05400	158.0	23	-169.8	-19.0	0.60	0.60	0	1	84.0	9.6	8/GR2
NIU05401	158.0	23	172.3	-39.7	2.88	1.56	47	1	84.0	1.4	8/GR2
SDN23000	-7.0	23	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	23	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS06100	23.0	23	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2., 4.
URS064X0	23.0	23	47.2	40.9	2.00	2.00	0	2	89.0	3.9	2., 4.
URS07700	110.0	23	137.0	50.5	2.00	2.00	0	1	89.0	2.6	2.
ZWE13500	-1.0	23	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
											17768.62 MHZ (24)
AUS00700	128.0	24	133.6	-24.4	6.75	5.90	172	1	87.0	4.1	1.
AZR13400	-31.0	24	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
CAF25800	-13.0	24	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
CBG29900	68.0	24	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN16600	92.0	24	121.1	41.7	1.52	0.78	154	1	84.0	7.9	
CHN17700	79.8	24	111.8	30.8	1.42	0.82	160	1	84.0	10.0	
CHN18800	62.0	24	101.5	25.1	1.86	1.08	132	1	84.0	10.0	
DNK09000	5.0	24	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
I 08200	-19.0	24	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IND04100	56.0	24	78.4	16.0	2.08	1.38	35	1	84.0	10.0	3.
INS03000	80.2	24	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
IRQ25600	11.0	24	43.5	33.0	2.28	1.32	145	2	84.0	3.1	
LSO30500	5.0	24	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MLA22700	86.0	24	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MTN28800	-37.0	24	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	24	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
MYT09800	29.0	24	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR7
MYT09801	29.0	24	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR7
NGR11500	-25.0	24	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
OMA12300	17.0	24	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
PAK28200	38.0	24	68.5	25.8	1.32	0.62	133	2	84.0	5.0	
PHL28500	98.0	24	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
SDN23200	-7.0	24	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
TKL05800	158.0	24	-171.8	-8.9	0.70	0.60	35	2	84.0	9.6	8/GR1
TKL05801	158.0	24	172.3	-39.7	2.88	1.56	47	2	84.0	1.4	8/GR1
URS06601	44.0	24	73.8	41.4	2.00	2.00	0	2	89.0	4.5	2.
URS07900	140.0	24	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											17787.80 MHZ (25)
ALB29600	-7.0	25	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	25	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	25	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
BLR06201	23.0	25	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
CYP08600	5.0	25	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	25	17.2	51.8	2.00	2.00	0	1	84.0	0.0	
DJI09900	23.0	25	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
GUM33100	122.0	25	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR15
GUM33101	122.0	25	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR15
ISL04900	-31.0	25	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	25	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	25	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	25	107.5	47.8	2.00	2.00	0	1	89.0	3.8	2.
TON21500	170.0	25	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	25	53.6	24.4	0.98	0.80	162	2	84.0	2.5	
URS07800	110.0	25	110.0	60.0	2.00	2.00	0	2	89.0	10.0	2.
											17806.98 MHZ (26)
AUS00600	98.0	26	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	26	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
BDI27000	11.0	26	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	26	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	26	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
FNL10400	5.0	26	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
HNG10600	-1.0	26	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	26	47.6	29.2	0.68	0.60	145	1	84.0	2.6	
MTN22300	-37.0	26	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
REU09700	29.0	26	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	26	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
SDN23100	-7.0	26	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	26	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	26	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
TUN15000	-25.0	26	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
URS06800	44.0	26	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	26	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	26	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											17826.16 MHZ (27)
AGL29500	-13.0	27	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	27	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
CVA08300	-37.0	27	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
DNK09100	5.0	27	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
CNR13000	-31.0	27	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	27	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	27	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	27	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
JOR22400	11.0	27	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
SDN23000	-7.0	27	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	27	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05900	23.0	27	47.2	40.9	2.00	2.00	0	1	89.0	3.9	2.
URS07700	110.0	27	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
ZWE13500	-1.0	27	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	

1	2	3	4		5		6	7	8	9	10
											17845.34 MHZ (28)
AUS00600	98.0	28	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	28	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
AZR13400	-31.0	28	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
CAF25800	-13.0	28	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
I 08200	-19.0	28	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IRQ25600	11.0	28	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	28	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	28	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	28	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
MYT09800	29.0	28	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR7
MYT09801	29.0	28	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR7
NGR11500	-25.0	28	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
NOR12100	5.0	28	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
OMA12300	17.0	28	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
SDN23200	-7.0	28	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
URS06602	44.0	28	58.0	59.0	2.00	2.00	0	1	89.0	10.0	2.
URS07600	74.0	28	92.8	56.1	2.00	2.00	0	2	89.0	0.3	2.
URS07900	140.0	28	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
											17864.52 MHZ (29)
ALB29600	-7.0	29	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	29	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	29	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
CYP08600	5.0	29	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	29	17.2	51.8	2.00	2.00	0	1	84.0	0.0	
DJI09900	23.0	29	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
GUM33100	122.0	29	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR15
GUM33101	122.0	29	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR15
ISL04900	-31.0	29	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	29	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	29	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	29	107.5	47.8	2.00	2.00	0	1	89.0	0.6	2.
SEN22200	-37.0	29	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
TON21500	170.0	29	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	29	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
UKR06300	23.0	29	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
											17883.70 MHZ (30)
AUS00600	98.0	30	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	30	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
BDI27000	11.0	30	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	30	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	30	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
HNG10600	-1.0	30	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	30	47.6	29.2	0.68	0.60	145	1	84.0	2.6	
MTN22300	-37.0	30	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
REU09700	29.0	30	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	30	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
S 13900	5.0	30	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
SDN23100	-7.0	30	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	30	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	30	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
TUN15000	-25.0	30	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
URS06801	44.0	30	64.8	38.3	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	30	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	30	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											17902.88 MHZ (31)
AGL29500	-13.0	31	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	31	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
CVA08300	-37.0	31	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	31	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	31	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	31	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	31	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
ISL05000	5.0	31	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	31	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
SDN23000	-7.0	31	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	31	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05901	23.0	31	29.5	51.4	2.00	2.00	0	2	89.0	3.9	2.
URS07701	110.0	31	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
ZWE13500	-1.0	31	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
											17922.06 MHZ (32)
AUS00600	98.0	32	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	32	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
AZR13400	-31.0	32	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
CAF25800	-13.0	32	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
I 08200	-19.0	32	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IRQ25600	11.0	32	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	32	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	32	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	32	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
MYT09800	29.0	32	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR7
MYT09801	29.0	32	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR7
NGR11500	-25.0	32	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
NOR12100	5.0	32	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
OMA12300	17.0	32	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
SDN23200	-7.0	32	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
URS06601	44.0	32	73.8	41.4	2.00	2.00	0	2	89.0	10.0	2.
URS07500	74.0	32	92.8	56.1	2.00	2.00	0	2	89.0	0.1	2.
URS07900	140.0	32	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
											17941.24 MHZ (33)
ALB29600	-7.0	33	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	33	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	33	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
CYP08600	5.0	33	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	33	17.2	51.8	2.00	2.00	0	1	84.0	0.0	
DJI09900	23.0	33	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
GUM33100	122.0	33	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR15
GUM33101	122.0	33	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR15
ISL04900	-31.0	33	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	33	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	33	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	33	107.5	47.8	2.00	2.00	0	1	89.0	0.6	2.
SEN22200	-37.0	33	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
TON21500	170.0	33	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	33	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
UKR06300	23.0	33	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.

1	2	3	4		5		6	7	8	9	10
											17960.42 MHZ (34)
BDI27000	11.0	34	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	34	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	34	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
HNG10600	-1.0	34	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	34	47.6	29.2	0.68	0.60	145	1	84.0	2.6	
MTN22300	-37.0	34	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
REU09700	29.0	34	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	34	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
S 13800	5.0	34	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
SDN23100	-7.0	34	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	34	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	34	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
TUN15000	-25.0	34	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
URS07100	44.0	34	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	34	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	34	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											17979.60 MHZ (35)
AGL29500	-13.0	35	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	35	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
CVA08300	-37.0	35	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
DNK09100	5.0	35	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
CNR13000	-31.0	35	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	35	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	35	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	35	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
JOR22400	11.0	35	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
SDN23000	-7.0	35	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	35	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05902	23.0	35	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
URS07701	110.0	35	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
ZWE13500	-1.0	35	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
											17998.78 MHZ (36)
AUS00600	98.0	36	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	36	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
AZR13400	-31.0	36	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
CAF25800	-13.0	36	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
DNK09000	5.0	36	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
I 08200	-19.0	36	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IRQ25600	11.0	36	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	36	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	36	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	36	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
MYT09800	29.0	36	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR7
MYT09801	29.0	36	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR7
NGR11500	-25.0	36	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
OMA12300	17.0	36	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
SDN23200	-7.0	36	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
URS06603	44.0	36	37.7	55.8	2.00	2.00	0	2	89.0	10.0	2.
URS07900	140.0	36	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											18017.96 MHZ (37)
ALB29600	-7.0	37	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	37	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	37	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
CYP08600	5.0	37	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	37	17.2	51.8	2.00	2.00	0	1	84.0	0.0	
DJI09900	23.0	37	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
GUM33100	122.0	37	151.1	11.6	6.48	3.49	179	1	87.0	9.6	8/GR15
GUM33101	122.0	37	-157.5	21.0	2.02	0.60	115	1	87.0	10.0	8/GR15
ISL04900	-31.0	37	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	37	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	37	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	37	107.5	47.8	2.00	2.00	0	1	89.0	4.0	2.
SEN22200	-37.0	37	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
UAE27400	17.0	37	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
UKR06300	23.0	37	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
											18037.14 MHZ (38)
BDI27000	11.0	38	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	38	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	38	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
HNG10600	-1.0	38	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	38	47.6	29.2	0.68	0.60	145	1	84.0	2.6	
MTN22300	-37.0	38	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
NOR12000	5.0	38	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
REU09700	29.0	38	55.6	-19.2	1.56	0.78	96	2	84.0	9.6	8/GR5
REU09701	29.0	38	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
SDN23100	-7.0	38	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	38	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR33900	11.0	38	37.6	34.2	1.32	0.88	74	2	84.0	3.0	
TUN27200	-25.0	38	2.5	32.0	3.59	1.75	175	2	84.0	3.1	
URS07100	44.0	38	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	38	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	38	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											18056.32 MHZ (39)
AGL29500	-13.0	39	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	39	50.5	26.1	0.60	0.60	0	2	84.0	2.6	
CVA08300	-37.0	39	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	39	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	39	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	39	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	39	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
ISL05000	5.0	39	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	39	35.8	31.4	0.84	0.78	114	1	85.0	2.2	
MNG24800	74.0	39	107.5	47.8	2.00	2.00	0	1	89.0	4.0	2.
SDN23000	-7.0	39	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	39	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05902	23.0	39	37.7	55.8	2.00	2.00	0	2	89.0	4.5	2.
URS07701	110.0	39	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
ZWE13500	-1.0	39	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	

1	2	3	4		5		6	7	8	9	10
											18075.50 MHZ (40)
AUS00600	98.0	40	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	40	133.7	-24.4	6.78	5.90	172	2	87.0	10.0	1.
AZR13400	-31.0	40	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
CAF25800	-13.0	40	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
I 08200	-19.0	40	12.3	41.3	2.38	0.98	137	1	84.0	4.7	
IRQ25600	11.0	40	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	40	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	40	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	40	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
MYT09800	29.0	40	45.1	-12.8	0.60	0.60	0	2	84.0	9.6	8/GR7
MYT09801	29.0	40	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR7
NGR11500	-25.0	40	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
OMA12300	17.0	40	55.6	21.0	1.88	1.02	100	1	85.0	3.2	
S 13900	5.0	40	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
SDN23200	-7.0	40	29.6	18.4	2.54	2.09	167	1	86.0	1.6	
URS06603	44.0	40	37.7	55.8	2.00	2.00	0	2	89.0	10.0	2.
URS07900	140.0	40	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

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COMMITTEE 5

Sixth Report from Working Group 5-A
To Committee 5

BSS FEEDER-LINK PLANNING

DRAFT PLAN

The draft Plan for the feeder links in the fixed satellite service in the frequency bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3 as reproduced in the annex is submitted for approval by Committee 5.

R. BURTON
Chairman of Working Group 5-A

Annex: 1

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ANNEX

ARTICLE [9A]

Plan for the Feeder Links in the Fixed-Satellite Service in the Frequency Bands 14.5 - 14.8 and 17.3 - 18.1 GHz in Regions 1 and 3

[9.1] COLUMN HEADINGS OF THE PLAN

Col. 1 Beam identification (Column 1 contains the symbol designating the country or the geographical area taken from Table B1 of the Preface to the International Frequency List followed by the symbol designating the service area).

Col. 2 Nominal orbital position, in degrees and tenths of degree.

Col. 3 Channel number (see Tables 2A and 2B showing channel numbers and corresponding assigned frequencies).

Col. 4 Boresight geographical coordinates, in degrees and tenths of a degree.

Col. 5 Antenna beamwidth. This column contains two figures corresponding to the major axis and the minor axis respectively of the elliptical cross-section half-power beam, in degrees and tenths of a degree.

Col. 6 Orientation of the ellipse determined as follows: in a plane normal to the beam axis, the direction of a major axis of the ellipse is specified as the angle measured anti-clockwise from a line parallel to the equatorial plane to the major axis of the ellipse to the nearest degree.

Col. 7 Polarization (1 = direct, 2 = indirect).

Col. 8 Nominal earth station e.i.r.p. in dBW.

Col. 9 Permitted increase in earth station e.i.r.p. in dB for purpose of power control (see [ ]).

Col. 10 Remarks.

[9.2] TEXT FOR SYMBOLS IN REMARKS COLUMN OF THE PLAN

1. Fast roll-off space station receiving antenna as defined in Annex 3 (Section ...) of this Appendix.

2. For this assignment the diameter of the earth station antenna is 7 m and the system noise temperature is 3000 K.

3. India may also locate feeder-link earth stations near the point 29°N, 77.3°E on the condition of not affecting the EPMs of other administrations.

4. In order to improve the up-link margins for the channel 23, the satellite receiving antenna will use a shaped beam.

[5. not used]

6. During the Conference Bhutan became the 165th Member of the Union and the Conference decided to provide four assignments for a feeder-link to a BSS space station which had no assignments yet in Appendix 30.

7. This assignment uses feeder-link frequencies which are not a linear translation of the down-link Plan, resulting in the potential radiation of a coherent unwanted frequency corresponding to the second harmonic of the shift frequency and falling in the frequency band allocated to down-links (11.7 - 12.5 GHz).

Every possible and sufficient technical means shall be adopted, on board of the spacecraft, to eliminate such unwanted frequency radiation.

8. This assignment, is part of a group, the number of which follows the symbol. The group consists of the beams and has the number of channels assigned to it as indicated in Table 1.

a) The overall equivalent protection margin to be used for the application of Article 4 shall be calculated on the following basis:

- for the calculation of interference to assignments that are part of a group, only the interference contributions from assignments that are not part of the same group are to be included; and

- for the calculation of interference from assignments belonging to a group of assignments that are not part of that same group, only the worst interference contribution from that group shall be used on a test point to test point basis.

b) If an administration notifies the same frequency in more than one beam of a group for use at the same time, the aggregated C/I produced by all emissions from that group shall not exceed the C/I calculated on the basis of a) above.

MOD

TABLE 1

Group	Beams in the group	Number of channels assigned to the group
GR1	TKL05800, TKL05801	2 channels
GR2	NIU05400, NIU05401	2 channels
GR3	CKH05200, CKH05201	4 channels
GR4	CKH05300, CKH05301	4 channels
GR5	REU09700, REU09701	5 channels
GR6	NCL10000, NCL10001	4 channels
GR7	MYT09800, MYT09801	5 channels
GR8	WAL10200, WAL10201	4 channels
GR9	PLM33700, PLM33701	5 channels
GR10	CAR33800, CAR33801	5 channels
GR11	WAK33400, WAK33401	5 channels
GR12	MRL33300, MRL33301	5 channels
GR13	SMA33500, SMA33501	5 channels
GR14	MRA33200, MRA33201	5 channels
GR15	GUM33100, GUM33101	5 channels

9. D and SUI have agreed that their feeder-link channels can be interchanged for a limited period of time ending in the year 2001 as follows:

2 with 22, 6 with 26, 10 with 30, 14 with 34, 18 with 38.

PART A

TABLE 2A

Table showing correspondence between channel numbers and assigned frequencies for the feeder links in the frequency band 14.5 - 14.8 GHz

Channel No.	Feeder assignm. (MHz)
1	14 525.30
2	14 544.48
3	14 563.66
4	14 582.84
5	14 602.02
6	14 621.20
7	14 640.38
8	14 659.56
9	14 678.74
10	14 697.92
11	14 717.10
12	14 736.28
13	14 755.46
14	14 774.64

1	2	3	4		5		6	7	8	9	10
											14525.30 MHZ (01)
IFB02100	5.0	01	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND04300	56.0	01	77.8	11.1	1.36	1.28	172	2	82.0	10.0	3.
IND04400	68.0	01	79.5	22.3	2.19	1.42	146	2	82.0	6.1	3.
ISR11000	-13.0	01	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	01	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	01	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
YMS26700	11.0	01	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
											14544.48 MHZ (02)
CPV30100	-31.0	02	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	02	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04500	56.0	02	76.2	19.5	1.58	1.58	21	1	82.0	10.0	3.
IND04800	68.0	02	86.2	25.0	1.56	0.90	120	1	82.0	6.3	3.
MOZ30700	-1.0	02	34.0	-18.0	3.57	1.38	55	1	82.0	3.7	
NIG11900	-19.0	02	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK12700	38.0	02	69.6	29.5	2.30	2.16	14	2	82.0	3.9	
PNG13100	110.0	02	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	02	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
STP24100	-13.0	02	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	02	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	02	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14563.66 MHZ (03)
IND03800	56.0	03	75.9	33.4	1.52	1.08	33	2	82.0	10.0	3.
IND04700	68.0	03	93.3	11.1	1.92	0.60	96	2	82.0	10.0	3.
IRN10900	34.0	03	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
YMS26700	11.0	03	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
ZMB31400	-1.0	03	27.5	-13.1	2.38	1.48	39	2	82.0	2.9	
											14582.84 MHZ (04)
CPV30100	-31.0	04	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
IND04000	56.0	04	73.0	25.0	1.82	1.48	58	1	82.0	10.0	3.
IND04200	68.0	04	79.3	27.7	2.14	1.16	147	1	82.0	3.2	3.
MOZ30700	-1.0	04	34.0	-18.0	3.57	1.38	55	1	82.0	3.7	
NIG11900	-19.0	04	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK28300	38.0	04	74.7	33.9	1.34	1.13	160	2	82.0	2.8	
PNG27100	128.0	04	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
STP24100	-13.0	04	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	04	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	04	32.3	1.2	1.46	1.12	60	2	82.0	5.6	

1	2	3	4		5		6	7	8	9	10
											14602.02 MHZ (05)
IFB02100	5.0	05	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND03900	56.0	05	72.7	11.2	1.26	0.60	107	2	82.0	10.0	3.
IND04600	68.0	05	84.7	20.5	1.60	0.86	30	2	82.0	10.0	3.
ISR11000	-13.0	05	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	05	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	05	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
YMS26700	11.0	05	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
ZMB31400	-1.0	05	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	
											14621.20 MHZ (06)
CPV30100	-31.0	06	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	06	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND03700	68.0	06	93.0	25.5	1.46	1.13	40	1	82.0	6.4	3.
IND04100	56.0	06	78.4	16.0	2.08	1.38	35	1	82.0	10.0	3.
MOZ30700	-1.0	06	34.0	-18.0	3.57	1.38	55	1	82.0	3.7	
NIG11900	-19.0	06	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK12700	38.0	06	69.6	29.5	2.30	2.16	14	2	82.0	3.9	
PNG13100	110.0	06	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	06	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
STP24100	-13.0	06	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	06	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	06	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14640.38 MHZ (07)
IFB02100	5.0	07	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND04300	56.0	07	77.8	11.1	1.36	1.28	172	2	82.0	10.0	3.
IND04600	68.0	07	84.7	20.5	1.60	0.86	30	2	82.0	10.0	3.
IRN10900	34.0	07	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
MRC20900	-25.0	07	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
SEN22200	-37.0	07	-14.4	13.8	1.46	1.04	139	1	82.0	5.4	
YMS26700	11.0	07	48.8	15.2	1.76	1.54	176	1	82.0	2.1	
ZMB31400	-1.0	07	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	
											14659.56 MHZ (08)
CPV30100	-31.0	08	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	08	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04100	56.0	08	78.4	16.0	2.08	1.38	35	1	82.0	10.0	3.
IND04800	68.0	08	86.2	25.0	1.56	0.90	120	1	82.0	6.3	3.
MOZ30700	-1.0	08	34.0	-18.0	3.57	1.38	55	1	82.0	3.2	
NIG11900	-19.0	08	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PAK28300	38.0	08	74.7	33.9	1.34	1.13	160	2	82.0	2.8	
PNG27100	128.0	08	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
STP24100	-13.0	08	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
UGA05100	11.0	08	32.3	1.2	1.46	1.12	60	2	82.0	5.6	

1	2	3	4		5		6	7	8	9	10
											14678.74 MHZ (09)
IFB02100	5.0	09	24.5	-28.0	3.13	1.68	27	1	82.0	1.0	
IND03800	56.0	09	75.9	33.4	1.52	1.08	33	2	82.0	10.0	3.
IND04400	68.0	09	79.5	22.3	2.19	1.42	146	2	82.0	10.0	3.
ISR11000	-13.0	09	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	09	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
NMB02500	-19.0	09	17.5	-21.6	2.66	1.90	48	1	82.0	2.0	
YMS26700	11.0	09	48.8	15.2	1.76	1.54	176	1	82.0	2.9	
ZMB31400	-1.0	09	27.5	-13.1	2.38	1.48	39	2	82.0	3.4	
											14697.92 MHZ (10)
ETH09200	23.0	10	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04200	68.0	10	79.3	27.7	2.14	1.16	147	1	82.0	3.2	3.
IND04500	56.0	10	76.2	19.5	1.58	1.58	21	1	82.0	10.0	3.
NIG11900	-19.0	10	7.8	9.4	2.16	2.02	45	2	82.0	2.8	
PNG13100	110.0	10	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	10	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	10	0.8	8.6	1.52	0.60	105	1	82.0	5.5	
UGA05100	11.0	10	32.3	1.2	1.46	1.12	60	2	82.0	5.6	
											14717.10 MHZ (11)
IFB02100	5.0	11	24.5	-28.0	3.13	1.68	27	1	82.0	2.8	
IND04700	68.0	11	93.3	11.1	1.92	0.60	96	2	82.0	10.0	3.
IRN10900	34.0	11	54.2	32.4	3.82	1.82	149	1	82.0	3.3	
ISR11000	-13.0	11	34.9	31.4	0.94	0.60	117	2	82.0	4.1	
MRC20900	-25.0	11	-8.9	28.9	3.96	1.55	50	1	82.0	0.9	
SEN22200	-37.0	11	-14.4	13.8	1.46	1.04	139	1	82.0	5.4	
ZMB31400	-1.0	11	27.5	-13.1	2.38	1.48	39	2	82.0	2.9	
											14736.28 MHZ (12)
CPV30100	-31.0	12	-24.0	16.0	0.86	0.70	144	1	82.0	2.5	
ETH09200	23.0	12	39.7	9.1	3.50	2.40	124	1	82.0	10.0	
IND04000	56.0	12	73.0	25.0	1.82	1.48	58	1	82.0	10.0	3.
MOZ30700	-1.0	12	34.0	-18.0	3.57	1.38	55	1	82.0	3.3	
PAK21000	38.0	12	72.1	30.8	1.16	0.72	90	2	82.0	3.8	
PNG27100	128.0	12	148.0	-6.7	2.80	2.05	155	2	89.0	10.0	
STP24100	-13.0	12	7.0	0.8	0.60	0.60	0	1	82.0	10.0	
											14755.46 MHZ (13)
IND03900	56.0	13	72.7	11.2	1.26	0.60	107	2	82.0	10.0	3.
NMB02500	-19.0	13	17.5	-21.6	2.66	1.90	48	1	82.0	2.7	

1	2	3	4		5		6	7	8	9	10
											14774.64 MHZ (14)
IND03700	68.0	14	93.0	25.5	1.46	1.13	40	1	82.0	10.0	3.
PNG13100	110.0	14	147.7	-6.3	2.50	2.18	169	2	89.0	10.0	
SNG15100	74.0	14	103.8	1.3	0.60	0.60	0	1	82.0	10.0	
TGO22600	-25.0	14	0.8	8.6	1.52	0.60	105	1	82.0	5.5	

PART B

TABLE 2B

Table showing correspondence between channel numbers and assigned frequencies in the BSS R1, 3 Plan in the frequency band 17.3 GHz to 18.1 GHz

Channel No.	Feeder assignm. (MHz)	Channel No.	Feeder assignm. (MHz)
1	17 327.48	21	17 711.08
2	17 346.66	22	17 730.26
3	17 365.84	23	17 749.44
4	17 385.02	24	17 768.62
5	17 404.20	25	17 787.80
6	17 423.38	26	17 806.98
7	17 442.56	27	17 826.16
8	17 461.74	28	17 845.34
9	17 480.92	29	17 864.52
10	17 500.10	30	17 883.70
11	17 519.28	31	17 902.88
12	17 538.46	32	17 922.06
13	17 557.64	33	17 941.24
14	17 576.82	34	17 960.42
15	17 596.00	35	17 979.60
16	17 615.18	36	17 998.78
17	17 634.36	37	18 017.96
18	17 653.54	38	18 037.14
19	17 672.72	39	18 056.32
20	17 691.90	40	18 075.50

1	2	3	4		5		6	7	8	9	10
											17327.48 MHZ (01)
AFG24600	50.0	01	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	01	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
CHN15500	62.0	01	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16200	92.0	01	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
CHN16300	79.8	01	116.0	39.2	1.20	0.80	132	2	84.0	10.0	
CME30000	-13.0	01	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	01	-3.1	39.9	2.10	1.14	154	1	84.0	5.9	
F 09300	-19.0	01	2.6	45.9	2.50	0.98	160	2	84.0	0.9	
FJI19300	152.0	01	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
GUI19200	-37.0	01	-11.0	10.2	1.58	1.04	147	1	85.0	7.6	
IND03900	56.0	01	72.7	11.2	1.26	0.60	107	2	84.0	10.0	3.
INS03500	104.0	01	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	01	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBY28000	-25.0	01	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	01	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	01	172.3	-39.7	2.88	1.56	47	2	84.0	10.0	
POL13200	-1.0	01	17.2	51.8	2.00	2.00	0	1	87.0	0.5	
QAT24700	17.0	01	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	01	12.5	43.9	0.60	0.60	0	2	83.0	10.0	
SWZ31300	-1.0	01	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	01	100.7	13.2	2.82	1.54	106	2	84.0	9.0	
TUR14500	5.0	01	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	01	34.6	-6.2	2.41	1.72	129	2	84.0	6.5	
URS06400	23.0	01	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
URS06702	44.0	01	73.8	41.4	2.00	2.00	0	1	89.0	3.6	2.
CAR33800	122.0	01	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR 10
CAR33801	122.0	01	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR 10
PLM33700	170.0	01	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR 9
PLM33701	170.0	01	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR 9
WAK33400	140.0	01	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR 11
WAK33401	140.0	01	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR 11
YUG14800	-7.0	01	18.6	43.8	2.21	0.92	156	2	85.0	10.0	
											17346.66 MHZ (02)
ALG25100	-25.0	02	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	02	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	02	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BOT29700	-1.0	02	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15400	62.0	02	101.9	33.5	5.10	2.80	143	2	84.0	4.3	
CHN16100	92.0	02	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
CLN21900	50.0	02	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	02	9.6	49.9	1.62	0.72	147	1	84.0	0.1	9.
NCL10000	140.0	02	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR6
NCL10001	140.0	02	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR6
WAL10200	140.0	02	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	02	-176.8	-14.0	0.74	0.60	29	2	84.0	9.6	8/GR8
FNL10300	5.0	02	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
GNB30400	-31.0	02	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND03700	68.0	02	93.0	25.5	1.46	1.13	40	1	84.0	9.0	3.
INS02800	80.2	02	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
IRL21100	-31.0	02	-8.2	53.2	0.84	0.60	162	2	84.0	3.5	
KOR11200	110.0	02	127.5	36.0	1.24	1.02	168	2	89.0	2.5	
LAO28400	74.0	02	103.7	18.1	2.16	0.78	133	1	84.0	9.6	
MAU24200	29.0	02	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17346.66 MHZ (02)
MLA22800	86.0	02	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32700	-37.0	02	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
CKH05200	158.0	02	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
CKH05201	158.0	02	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	8/GR3
PAK12700	38.0	02	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
ROU13600	-1.0	02	25.0	45.7	1.38	0.66	155	2	86.0	2.4	
SOM31200	23.0	02	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	02	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
MRL33300	146.0	02	153.1	11.5	7.87	3.64	1	2	87.0	3.1	8/GR12
MRL33301	146.0	02	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR12
YEM26600	11.0	02	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	02	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17365.84 MHZ (03)
AFG24500	50.0	03	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	03	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	03	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
BRU33000	74.0	03	114.7	4.4	0.60	0.60	0	2	84.0	10.0	
CHN15700	62.0	03	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16000	92.0	03	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
COM20700	29.0	03	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	03	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	03	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	03	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04300	56.0	03	77.8	11.1	1.36	1.28	172	2	84.0	10.0	3.
INS03600	104.0	03	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	03	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	03	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBN27900	11.0	03	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBR24400	-31.0	03	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	03	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	03	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	03	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
NRU30900	134.0	03	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	03	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
SMO05700	158.0	03	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	03	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
URS06100	23.0	03	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS07300	44.0	03	58.0	59.0	2.00	2.00	0	2	89.0	3.7	2.
MRA33200	122.0	03	-157.5	21.0	2.02	0.60	115	2	87.0	3.9	8/GR14
MRA33201	122.0	03	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
SMA33500	170.0	03	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	8/GR13
SMA33501	170.0	03	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	8/GR13
VTN32500	86.0	03	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	03	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	03	18.6	43.8	2.21	0.92	156	2	84.0	9.6	

1	2	3	4		5		6	7	8	9	10
											17385.02 MHZ (04)
ALG25200	-25.0	04	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
ARS00300	17.0	04	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	04	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	04	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BUL02000	-1.0	04	25.0	43.0	2.00	2.00	0	2	84.0	2.2	
CHN15600	62.0	04	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN16100	92.0	04	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
EGY02600	-7.0	04	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
AND34100	-37.0	04	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
OCE10100	-160.0	04	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
G 02700	-31.0	04	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04800	68.0	04	86.2	25.0	1.56	0.90	120	1	86.0	8.8	3.
INS02800	80.2	04	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
KOR11200	110.0	04	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
LAO28400	74.0	04	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24300	29.0	04	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLA22800	86.0	04	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32800	-37.0	04	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	04	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
CKH05300	158.0	04	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
CKH05301	158.0	04	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	
PAK28300	38.0	04	74.7	33.9	1.34	1.13	160	2	84.0	3.7	
RRW31000	11.0	04	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
S 13800	5.0	04	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
URS06000	23.0	04	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
ZAI32200	-19.0	04	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
											17404.20 MHZ (05)
AFG24600	50.0	05	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	05	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BTN03100	86.0	05	90.5	27.3	1.13	0.82	0	2	84.0	9.0	6.
CHN15500	62.0	05	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16200	92.0	05	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
CHN16400	79.8	05	112.2	37.4	1.06	0.76	111	2	84.0	10.0	
CME30000	-13.0	05	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	05	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	05	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
FJI19300	152.0	05	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
GUI19200	-37.0	05	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND04400	68.0	05	79.5	22.3	2.19	1.42	146	2	84.0	8.6	3.
INS03500	104.0	05	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	05	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBY28000	-25.0	05	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	05	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	05	172.3	-39.7	2.88	1.56	47	2	84.0	7.7	
POL13200	-1.0	05	17.2	51.8	2.00	2.00	0	1	87.0	0.3	
QAT24700	17.0	05	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	05	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	05	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	05	100.7	13.2	2.82	1.54	106	2	84.0	8.9	
TUR14500	5.0	05	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	05	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
URS06400	23.0	05	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.

1	2	3	4		5		6	7	8	9	10
											17404.20 MHZ (05)
URS06700	44.0	05	37.7	55.8	2.00	2.00	0	2	89.0	2.0	2.
CAR33800	122.0	05	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR10
CAR33801	122.0	05	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR10
PLM33700	170.0	05	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR9
PLM33701	170.0	05	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR9
WAK33400	140.0	05	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR11
WAK33401	140.0	05	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR11
YUG14800	-7.0	05	18.6	43.8	2.21	0.92	156	2	85.0	9.6	
											17423.38 MHZ (06)
ALG25100	-25.0	06	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	06	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	06	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BOT29700	-1.0	06	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15400	62.0	06	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN16100	92.0	06	108.1	33.7	5.00	4.00	148	2	84.0	8.2	
CLN21900	50.0	06	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	06	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
NCL10000	140.0	06	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR6
NCL10001	140.0	06	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR6
WAL10200	140.0	06	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	06	-176.8	-14.0	0.74	0.60	29	2	84.0	9.6	8/GR8
FNL10300	5.0	06	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
GNB30400	-31.0	06	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND04500	56.0	06	76.2	19.5	1.58	1.58	21	1	84.0	8.0	3.
INS02800	80.2	06	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
IRL21100	-31.0	06	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KOR11200	110.0	06	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
LAO28400	74.0	06	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24200	29.0	06	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLA22800	86.0	06	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32700	-37.0	06	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
CKH05200	158.0	06	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
CKH05201	158.0	06	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	8/GR3
PAK12700	38.0	06	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
ROU13600	-1.0	06	25.0	45.7	1.38	0.66	155	2	86.0	2.4	
SOM31200	23.0	06	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	06	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
MRL33300	146.0	06	153.1	11.5	7.87	3.64	1	2	87.0	3.1	8/GR12
MRL33301	146.0	06	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR12
YEM26600	11.0	06	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	06	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	

1	2	3	4		5		6	7	8	9	10
											17442.56 MHZ (07)
AFG24500	50.0	07	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	07	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	07	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
BRU33000	74.0	07	114.7	4.4	0.60	0.60	0	2	84.0	10.0	
CHN15700	62.0	07	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16000	92.0	07	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
COM20700	29.0	07	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	07	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	07	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	07	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04700	68.0	07	93.3	11.1	1.92	0.60	96	2	84.0	10.0	3.
INS03600	104.0	07	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	07	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	07	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBN27900	11.0	07	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBR24400	-31.0	07	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	07	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	07	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	07	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
NRU30900	134.0	07	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	07	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
SMO05700	158.0	07	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	07	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
URS06100	23.0	07	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS07200	44.0	07	58.0	59.0	2.00	2.00	0	2	89.0	3.7	2.
MRA33200	122.0	07	-157.5	21.0	2.02	0.60	115	2	87.0	3.9	8/GR/14
MRA33201	122.0	07	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	
SMA33500	170.0	07	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	8/GR14
SMA33501	170.0	07	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	
VTN32500	86.0	07	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	07	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	07	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
											17461.74 MHZ (08)
ALG25200	-25.0	08	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
ARS00300	17.0	08	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	08	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	08	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BUL02000	-1.0	08	25.0	43.0	2.00	2.00	0	2	84.0	2.2	
CHN15600	62.0	08	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN17300	92.0	08	115.7	27.4	1.14	0.94	99	2	84.0	9.3	
EGY02600	-7.0	08	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
AND34100	-37.0	08	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
OCE10100	-160.0	08	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
G 02700	-31.0	08	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04000	56.0	08	73.0	25.0	1.82	1.48	58	1	84.0	4.7	3.
INS02800	80.2	08	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
KOR11200	110.0	08	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
LAO28400	74.0	08	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24300	29.0	08	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLA22800	86.0	08	114.1	3.9	2.34	1.12	45	2	84.0	10.0	
MLI32800	-37.0	08	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	08	14.3	35.9	0.60	0.60	0	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17461.74 MHZ (08)
CKH05300	158.0	08	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
CKH05301	158.0	08	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	8/GR4
PAK28300	38.0	08	74.7	33.9	1.34	1.13	160	2	84.0	3.7	
RRW31000	11.0	08	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
S 13800	5.0	08	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
URS06000	23.0	08	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
ZAI32200	-19.0	08	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
											17480.92 MHZ (09)
AFG24600	50.0	09	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	09	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BTN03100	86.0	09	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CHN15500	62.0	09	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16200	92.0	09	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
CHN16500	79.8	09	111.4	41.8	1.58	1.20	15	2	84.0	3.9	
CME30000	-13.0	09	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	09	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	09	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
FJI19300	152.0	09	179.4	-17.9	1.04	0.98	67	2	84.0	10.0	
GUI19200	-37.0	09	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND03900	56.0	09	72.7	11.2	1.26	0.60	107	2	84.0	10.0	3.
INS03500	104.0	09	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	09	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBY28000	-25.0	09	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	09	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	09	172.3	-39.7	2.88	1.56	47	2	84.0	7.7	
POL13200	-1.0	09	17.2	51.8	2.00	2.00	0	1	87.0	0.3	
QAT24700	17.0	09	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	09	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	09	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	09	100.7	13.2	2.82	1.54	106	2	84.0	8.9	
TUR14500	5.0	09	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	09	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
URS06400	23.0	09	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
URS06700	44.0	09	37.7	55.8	2.00	2.00	0	2	89.0	2.0	2.
CAR33800	122.0	09	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR10
CAR33801	122.0	09	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR10
PLM33700	170.0	09	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR9
PLM33701	170.0	09	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR9
WAK33400	140.0	09	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR11
WAK33401	140.0	09	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR11
YUG14800	-7.0	09	18.6	43.8	2.21	0.92	156	2	85.0	9.6	

1	2	3	4		5		6	7	8	9	10
											17500.10 MHZ (10)
ALG25100	-25.0	10	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	10	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	10	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BOT29700	-1.0	10	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15400	62.0	10	101.9	33.5	5.10	2.80	143	2	84.0	4.7	
CHN17100	92.0	10	117.2	32.0	1.20	0.74	126	2	84.0	10.0	
CHN18700	79.8	10	106.6	26.7	1.14	0.94	179	1	84.0	9.3	
CLN21900	50.0	10	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	10	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
NCL10000	140.0	10	166.0	-21.0	1.14	0.72	146	2	84.0	9.1	8/GR6
NCL10001	140.0	10	-177.1	-13.6	1.22	0.60	46	2	84.0	9.6	8/GR6
WAL10200	140.0	10	-176.8	-14.0	0.74	0.60	29	2	84.0	10.0	8/GR8
WAL10201	140.0	10	-176.8	-14.0	0.74	0.60	29	2	84.0	9.6	8/GR8
FNL10300	5.0	10	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
GNB30400	-31.0	10	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND03700	68.0	10	93.0	25.5	1.46	1.13	40	1	84.0	9.7	3.
IRL21100	-31.0	10	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KOR11200	110.0	10	127.5	36.0	1.24	1.02	168	2	89.0	3.0	
LAO28400	74.0	10	103.7	18.1	2.16	0.78	133	1	84.0	10.0	
MAU24200	29.0	10	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLI32700	-37.0	10	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
CKH05200	158.0	10	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
CKH05201	158.0	10	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	8/GR3
PAK12700	38.0	10	69.6	29.5	2.30	2.16	14	2	84.0	3.7	
ROU13600	-1.0	10	25.0	45.7	1.38	0.66	155	2	86.0	2.4	
SOM31200	23.0	10	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	10	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
MRL33300	146.0	10	153.1	11.5	7.87	3.64	1	2	87.0	3.1	8/GR12
MRL33301	146.0	10	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR12
YEM26600	11.0	10	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	10	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17519.28 MHZ (11)
AFG24500	50.0	11	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	11	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	11	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
CHN15700	62.0	11	101.9	33.5	5.10	2.80	143	1	84.0	10.0	
CHN16000	92.0	11	108.1	33.7	5.00	4.00	148	1	84.0	8.2	
COM20700	29.0	11	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	11	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	11	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	11	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04300	56.0	11	77.8	11.1	1.36	1.28	172	2	84.0	10.0	3.
INS03600	104.0	11	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	11	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	11	134.5	31.5	3.52	3.30	68	1	87.0	3.7	
LBN27900	11.0	11	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBR24400	-31.0	11	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	11	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	11	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	11	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
NRU30900	134.0	11	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	11	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	

1	2	3	4		5		6	7	8	9	10
											17519.28 MHZ (11)
SMO05700	158.0	11	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	11	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
URS06101	23.0	11	29.5	51.4	2.00	2.00	0	1	89.0	3.9	2.
MRA33200	122.0	11	-157.5	21.0	2.02	0.60	115	2	87.0	3.9	8/GR14
MRA33201	122.0	11	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
SMA33500	170.0	11	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	
SMA33501	170.0	11	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	
VTN32500	86.0	11	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	11	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	11	18.6	43.8	2.21	0.92	156	2	84.0	9.6	
											17538.46 MHZ (12)
ALG25200	-25.0	12	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
ARS00300	17.0	12	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	12	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	12	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BGD22000	74.0	12	90.3	23.6	1.46	0.84	135	1	84.0	8.7	
BUL02000	-1.0	12	25.0	43.0	2.00	2.00	0	2	84.0	2.2	
CHN15600	62.0	12	101.9	33.5	5.10	2.80	143	2	84.0	10.0	
CHN17000	92.0	12	119.5	33.0	1.34	0.64	155	2	84.0	10.0	
CHN17800	79.8	12	111.5	27.4	1.22	0.86	130	1	84.0	9.6	
DNK08900	5.0	12	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
EGY02600	-7.0	12	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
AND34100	-37.0	12	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
OCE10100	-160.0	12	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
G 02700	-31.0	12	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04800	68.0	12	86.2	25.0	1.56	0.90	120	1	86.0	8.8	3.
KOR11200	110.0	12	127.5	36.0	1.24	1.02	168	2	89.0	2.8	
MAU24300	29.0	12	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLD30600	44.0	12	73.1	6.0	0.96	0.60	90	1	84.0	10.0	
MLI32800	-37.0	12	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	12	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
CKH05300	158.0	12	-161.0	-19.8	1.00	0.60	132	1	84.0	3.9	8/GR4
CKH05301	158.0	12	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	8/GR4
PAK21000	38.0	12	72.1	30.8	1.16	0.72	90	2	84.0	5.0	
RRW31000	11.0	12	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
URS06000	23.0	12	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
URS06900	44.0	12	64.8	38.3	2.00	2.00	0	2	89.0	3.7	2.
ZAI32200	-19.0	12	22.4	0.0	2.16	1.88	48	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17557.64 MHZ (13)
AFG24600	50.0	13	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00500	98.0	13	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BTN03100	86.0	13	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CHN15501	62.0	13	88.3	31.5	3.38	1.45	162	1	84.0	3.3	
CHN18000	92.0	13	113.1	23.1	4.70	3.50	96	1	84.0	10.0	
CME30000	-13.0	13	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	13	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	13	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
GUI19200	-37.0	13	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND04400	68.0	13	79.5	22.3	2.19	1.42	146	2	84.0	8.6	3.
INS03500	104.0	13	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
J 11100	110.0	13	134.5	31.5	3.52	3.30	68	1	87.0	2.9	
LBY28000	-25.0	13	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	13	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NZL05500	158.0	13	172.3	-39.7	2.88	1.56	47	2	84.0	7.7	
NZL28700	128.0	13	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
POL13200	-1.0	13	17.2	51.8	2.00	2.00	0	1	87.0	0.3	
QAT24700	17.0	13	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	13	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	13	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
THA14200	74.0	13	100.7	13.2	2.82	1.54	106	2	84.0	10.0	
TUR14500	5.0	13	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	13	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
URS06400	23.0	13	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
URS06701	44.0	13	58.0	59.0	2.00	2.00	0	1	89.0	3.7	2.
CAR33800	122.0	13	151.1	11.6	6.48	3.49	179	2	87.0	3.9	8/GR10
CAR33801	122.0	13	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR10
PLM33700	170.0	13	-166.3	-0.2	7.97	1.04	72	2	87.0	10.0	8/GR9
PLM33701	170.0	13	-124.8	39.2	4.43	0.73	132	2	87.0	2.2	8/GR9
WAK33400	140.0	13	152.5	11.7	7.89	3.52	0	1	87.0	3.2	8/GR11
WAK33401	140.0	13	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	8/GR11
YUG14800	-7.0	13	18.6	43.8	2.21	0.92	156	2	85.0	9.6	
											17576.82 MHZ (14)
ALG25100	-25.0	14	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	14	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	14	133.7	-24.4	6.78	5.90	172	1	87.0	4.0	1.
BGD22000	74.0	14	90.3	23.6	1.46	0.84	135	1	84.0	8.7	
BOT29700	-1.0	14	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CHN15401	62.0	14	83.9	40.5	2.75	2.05	177	2	84.0	3.4	
CHN17200	92.0	14	120.4	29.1	0.96	0.84	123	2	84.0	10.0	
CHN18100	79.8	14	108.5	23.8	1.41	1.08	153	1	84.0	10.0	
CLN21900	50.0	14	80.6	7.7	1.18	0.60	106	2	84.0	10.0	
D 08700	-19.0	14	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
NCL10000	140.0	14	166.0	-21.0	1.14	0.72	146	2	84.0	9.6	8/GR6
NCL10001	140.0	14	-177.1	-13.6	1.22	0.60	46	2	84.0	10.0	8/GR6
WAL10200	140.0	14	-176.8	-14.0	0.74	0.60	29	2	84.0	9.6	8/GR8
WAL10201	140.0	14	-176.8	-14.0	0.74	0.60	29	2	84.0	9.1	8/GR8
GNB30400	-31.0	14	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND04500	56.0	14	76.2	19.5	1.58	1.58	21	1	84.0	8.0	3.
IRL21100	-31.0	14	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KRE28600	110.0	14	127.0	39.1	1.30	1.10	31	2	87.0	3.2	
MAU24200	29.0	14	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17576.82 MHZ (14)
MLI32700	-37.0	14	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
NOR12000	5.0	14	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
CKH05200	158.0	14	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR3
CKH05201	158.0	14	-161.0	-19.8	1.02	0.64	132	1	84.0	2.2	8/GR3
PAK21000	38.0	14	72.1	30.8	1.16	0.72	90	2	84.0	5.5	
ROU13600	-1.0	14	25.0	45.7	1.38	0.66	155	2	86.0	2.3	
SOM31200	23.0	14	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	14	18.1	15.5	3.40	1.72	107	1	84.0	1.4	8/GR 12
MRL33300	146.0	14	153.1	11.5	7.87	3.64	1	2	87.0	3.4	8/GR 12
MRL33301	146.0	14	-157.5	21.0	1.63	0.67	131	2	87.0	2.2	
YEM26600	11.0	14	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	14	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17596.00 MHZ (15)
AFG24500	50.0	15	67.0	34.3	1.89	1.19	18	2	84.0	3.4	
AUS00400	98.0	15	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	15	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
CHN15800	79.8	15	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
CHN17400	92.0	15	118.1	25.9	1.02	0.84	82	1	84.0	10.0	
COM20700	29.0	15	44.1	-12.1	0.76	0.60	149	1	84.0	10.0	
GAB26000	-13.0	15	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	15	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	15	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND04700	68.0	15	93.3	11.1	1.92	0.60	96	2	84.0	10.0	3.
INS03600	104.0	15	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	15	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
J 11100	110.0	15	134.5	31.5	3.52	3.30	68	1	87.0	2.5	
LBN27900	11.0	15	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBR24400	-31.0	15	-9.3	6.6	1.22	0.70	133	2	84.0	10.0	
LBY32100	-25.0	15	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	15	9.5	47.1	0.60	0.60	0	2	84.0	0.4	
LUX11400	-19.0	15	6.0	49.8	0.68	0.68	0	2	84.0	0.9	
NRU30900	134.0	15	167.0	-0.5	0.60	0.60	0	1	84.0	10.0	
POR13300	-31.0	15	-8.0	39.6	0.92	0.60	112	1	84.0	5.4	
SMO05700	158.0	15	-172.3	-13.7	0.60	0.60	0	2	84.0	10.0	
TCH14400	-1.0	15	17.2	51.8	2.00	2.00	0	1	84.0	1.7	
URS06100	23.0	15	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
MRA33200	122.0	15	-157.5	21.0	2.02	0.60	115	2	87.0	3.9	8/GR14
MRA33201	122.0	15	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
SMA33500	170.0	15	-166.3	-0.2	7.97	1.04	72	1	87.0	10.0	8/GR13
SMA33501	170.0	15	-124.8	39.2	4.43	0.73	132	1	87.0	2.2	8/GR13
VTN32500	86.0	15	108.0	14.8	3.80	1.90	126	1	84.0	10.0	
VUT12800	140.0	15	168.0	-16.4	1.52	0.68	87	1	84.0	10.0	
YUG14900	-7.0	15	18.6	43.8	2.21	0.92	156	2	84.0	9.6	

1	2	3	4		5		6	7	8	9	10
											17615.18 MHZ (16)
ALG25200	-25.0	16	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
ARS00300	17.0	16	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00700	128.0	16	133.6	-24.4	6.75	5.90	172	1	87.0	4.0	1.
AUT01600	-19.0	16	12.2	47.5	1.14	0.63	166	1	84.0	0.7	
BUL02000	-1.0	16	25.0	43.0	2.00	2.00	0	2	84.0	2.2	
CHN16900	92.0	16	118.5	36.4	1.16	0.76	11	2	84.0	10.0	
CHN18600	62.0	16	102.5	30.2	1.91	1.23	147	1	84.0	10.0	
DNK08900	5.0	16	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
EGY02600	-7.0	16	29.7	26.8	2.33	1.72	136	1	86.0	1.5	
AND34100	-37.0	16	1.5	42.5	0.61	0.60	153	1	84.0	0.6	
OCE10100	-160.0	16	-145.0	-16.3	4.34	3.54	4	1	84.0	10.0	
G 02700	-31.0	16	-3.5	53.8	1.84	0.72	142	2	84.0	1.4	
IND04000	56.0	16	73.0	25.0	1.82	1.48	58	1	84.0	4.7	3.
KRE28600	110.0	16	127.0	39.1	1.30	1.10	31	2	87.0	3.2	
MAU24300	29.0	16	56.8	-13.9	1.56	1.38	65	2	84.0	10.0	
MLA22700	86.0	16	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MLD30600	44.0	16	73.1	6.0	0.96	0.60	90	1	84.0	10.0	
MLI32800	-37.0	16	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
MLT14700	-13.0	16	14.3	35.9	0.60	0.60	0	2	84.0	10.0	
CKH05300	158.0	16	-161.0	-19.8	1.00	0.60	132	1	84.0	2.2	8/GR4
CKH05301	158.0	16	-161.0	-19.8	1.02	0.64	132	1	84.0	3.9	8/GR4
PHL28500	98.0	16	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
RRW31000	11.0	16	30.0	-2.1	0.66	0.60	42	1	84.0	7.0	
URS06000	23.0	16	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
URS06900	44.0	16	64.8	38.3	2.00	2.00	0	2	89.0	3.7	2.
ZAI32200	-19.0	16	22.4	0.0	2.16	1.88	48	2	84.0	10.0	
											17634.36 MHZ (17)
AUS00500	98.0	17	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
BRM29800	74.0	17	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
BTN03100	86.0	17	90.5	27.3	1.13	0.82	0	2	84.0	8.9	6.
CHN16700	92.0	17	124.3	43.7	1.98	0.72	156	1	84.0	7.9	
CHN18200	79.8	17	108.7	35.1	1.42	0.88	109	2	84.0	10.0	
CME30000	-13.0	17	12.7	6.2	2.54	1.68	87	2	84.0	5.4	
E 12900	-31.0	17	-3.1	39.9	2.10	1.14	154	1	84.0	3.1	
F 09300	-19.0	17	2.6	45.9	2.50	0.98	160	2	84.0	0.7	
GUI19200	-37.0	17	-11.0	10.2	1.58	1.04	147	1	85.0	6.5	
IND04600	68.0	17	84.7	20.5	1.60	0.86	30	2	84.0	10.0	3.
INS03200	80.2	17	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
LBY28000	-25.0	17	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
MDG23600	29.0	17	46.2	-18.6	2.57	0.80	67	1	84.0	10.0	
NPL12200	50.0	17	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
NZL28700	128.0	17	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
POL13200	-1.0	17	17.2	51.8	2.00	2.00	0	1	87.0	0.3	
QAT24700	17.0	17	51.1	25.3	0.60	0.60	0	2	84.0	1.5	
SMR31100	-37.0	17	12.5	43.9	0.60	0.60	0	2	83.0	8.8	
SWZ31300	-1.0	17	31.5	-26.5	0.62	0.60	66	2	82.0	4.7	
TUR14500	5.0	17	34.3	39.0	3.13	1.38	168	2	84.0	10.0	
TZA22500	11.0	17	34.6	-6.2	2.41	1.72	129	2	84.0	6.1	
URS06400	23.0	17	47.2	40.9	2.00	2.00	0	1	89.0	4.1	2.
CAR33800	122.0	17	151.1	11.6	6.48	3.49	179	2	87.0	9.6	8/GR10
CAR33801	122.0	17	-157.5	21.0	2.02	0.60	115	2	87.0	10.0	8/GR10
PLM33700	170.0	17	-166.3	-0.2	7.97	1.04	72	2	87.0	9.6	8/GR9

1	2	3	4		5		6	7	8	9	10
											17634.36 MHZ (17)
PLM33701	170.0	17	-124.8	39.2	4.43	0.73	132	2	87.0	10.0	8/QR9
WAK33400	140.0	17	152.5	11.7	7.89	3.52	0	1	87.0	9.6	8/QR11
WAK33401	140.0	17	-157.5	21.0	1.63	0.67	131	2	87.0	5.7	8/QR11
YUG14800	-7.0	17	18.6	43.8	2.21	0.92	156	2	85.0	9.6	
											17653.54 MHZ (18)
ALG25100	-25.0	18	1.5	27.6	3.65	2.94	135	2	84.0	1.6	
ARS27500	17.0	18	44.6	23.4	4.21	2.48	145	1	84.0	1.4	
AUS00800	128.0	18	133.7	-24.4	6.78	5.90	172	1	87.0	4.1	1.
BGD22000	74.0	18	90.3	23.6	1.46	0.84	135	1	84.0	6.5	
BOT29700	-1.0	18	23.3	-22.2	2.13	1.50	36	1	85.0	2.7	
CBG29900	68.0	18	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN15900	79.8	18	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
CHN18500	62.0	18	95.7	35.4	2.10	1.14	156	2	84.0	10.0	
D 08700	-19.0	18	9.6	49.9	1.62	0.72	147	1	84.0	0.5	9.
GNB30400	-31.0	18	-15.0	12.0	0.90	0.60	172	1	84.0	7.4	
IND04100	56.0	18	78.4	16.0	2.08	1.38	35	1	84.0	10.0	3.
INS03000	80.2	18	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
IRL21100	-31.0	18	-8.2	53.2	0.84	0.60	162	2	84.0	3.9	
KRE28600	110.0	18	127.0	39.1	1.30	1.10	31	2	87.0	2.0	
MAU24200	29.0	18	59.8	-18.9	1.62	1.24	55	2	84.0	10.0	
MLA22700	86.0	18	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MLI32700	-37.0	18	-2.0	19.0	2.66	1.26	127	2	87.0	1.5	
NOR12000	5.0	18	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
PAK28100	38.0	18	65.2	27.9	1.52	1.42	28	2	84.0	5.2	
PHL28500	98.0	18	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
ROU13600	-1.0	18	25.0	45.7	1.38	0.66	155	2	86.0	2.3	
SOM31200	23.0	18	45.0	6.4	3.26	1.54	71	2	84.0	3.7	
TCD14300	-13.0	18	18.1	15.5	3.40	1.72	107	1	84.0	1.4	
URS07000	44.0	18	73.8	41.4	2.00	2.00	0	1	89.0	2.8	2.
MRL33300	146.0	18	153.1	11.5	7.87	3.64	1	2	87.0	9.6	8/QR12
MRL33301	146.0	18	-157.5	21.0	1.63	0.67	131	2	87.0	6.9	8/QR12
YEM26600	11.0	18	44.3	15.1	1.14	0.70	109	2	84.0	2.6	
ZAI32300	-19.0	18	21.3	-6.8	2.80	1.52	149	2	84.0	8.0	
											17672.72 MHZ (19)
AUS00400	98.0	19	130.5	-24.3	6.22	4.71	51	1	87.0	4.6	1.
BEN23300	-19.0	19	2.2	9.5	1.44	0.68	97	1	84.0	7.6	
BRM29800	74.0	19	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN15800	79.8	19	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
CHN17900	92.0	19	112.2	21.9	1.84	1.22	37	1	84.0	10.0	
GAB26000	-13.0	19	11.8	-0.6	1.43	1.12	64	2	84.0	10.0	
GMB30200	-37.0	19	-15.1	13.4	0.79	0.60	4	1	83.0	7.6	
GRC10500	5.0	19	24.5	38.0	2.03	1.29	159	2	84.0	10.0	
IND03800	56.0	19	75.9	33.4	1.52	1.08	33	2	84.0	5.1	3.
INS03200	80.2	19	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
INS03600	104.0	19	115.2	-1.7	9.14	3.43	170	2	84.0	10.0	
IRN10900	34.0	19	54.2	32.4	3.82	1.82	149	1	84.0	3.1	
LBN27900	11.0	19	35.8	33.9	0.60	0.60	0	1	84.0	5.2	
LBY32100	-25.0	19	17.5	26.3	3.68	1.84	130	1	84.0	1.5	
LIE25300	-37.0	19	9.5	47.1	0.60	0.60	0	2	84.0	0.5	
LUX11400	-19.0	19	6.0	49.8	0.68	0.68	0	2	84.0	0.8	
NPL12200	50.0	19	83.7	28.3	1.72	0.60	163	1	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17672.72 MHZ (19)
NIU05400	158.0	19	-169.8	-19.0	0.60	0.60	0	1	84.0	10.0	8/GR2
NIU05401	158.0	19	-169.8	-19.0	0.60	0.60	0	1	84.0	9.6	8/GR2
POR13300	-31.0	19	-8.0	39.6	0.92	0.60	112	1	84.0	5.3	
TCH14400	-1.0	19	17.2	51.8	2.00	2.00	0	1	84.0	1.2	
URS06100	23.0	19	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS07700	110.0	19	137.0	50.5	2.00	2.00	0	1	89.0	2.5	2.
MRA33200	122.0	19	-157.5	21.0	2.02	0.60	115	2	87.0	2.2	8/GR14
MRA33201	122.0	19	-157.5	21.0	2.02	0.60	115	2	87.0	10.0	8/GR14
SMA33500	170.0	19	-166.3	-0.2	7.97	1.04	72	1	87.0	9.6	8/GR13
SMA33501	170.0	19	-124.8	39.2	4.43	0.73	132	1	87.0	10.0	8/GR13
YUG14900	-7.0	19	18.6	43.8	2.21	0.92	156	2	84.0	9.5	
											17691.80 MHZ (20)
ALG25200	-25.0	20	1.5	27.6	3.65	2.94	135	2	84.0	1.5	
ARS00300	17.0	20	44.6	23.4	4.21	2.48	145	1	84.0	2.2	
AUS00700	128.0	20	133.6	-24.4	6.75	5.90	172	1	87.0	4.1	1.
AUT01600	-19.0	20	12.2	47.5	1.14	0.63	166	1	84.0	1.6	
BGD22000	74.0	20	90.3	23.6	1.46	0.84	135	1	84.0	6.7	
BUL02000	-1.0	20	25.0	43.0	2.00	2.00	0	2	84.0	1.9	
CBG29900	68.0	20	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN15900	79.8	20	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
CHN18400	62.0	20	101.0	37.9	2.78	0.82	144	2	84.0	4.2	
DNK08900	5.0	20	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
EGY02600	-7.0	20	29.7	26.8	2.33	1.72	136	1	86.0	1.6	
AND34100	-37.0	20	1.5	42.5	0.61	0.60	153	1	84.0	0.3	
G 02700	-31.0	20	-3.5	53.8	1.84	0.72	142	2	84.0	4.8	
IND04200	68.0	20	79.3	27.7	2.14	1.16	147	1	89.0	4.7	3.
INS03000	80.2	20	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
KRE28600	110.0	20	127.0	39.1	1.30	1.10	31	2	87.0	2.0	
MLA22700	86.0	20	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MLI32800	-37.0	20	-7.6	13.2	1.74	1.24	171	2	87.0	5.9	
TKL05800	158.0	20	-171.8	-8.9	0.70	0.60	35	2	84.0	10.0	8/GR4
TKL05801	158.0	20	-171.8	-8.9	0.70	0.60	35	2	84.0	9.6	8/GR4
PAK28200	38.0	20	68.5	25.8	1.32	0.62	133	2	84.0	5.0	
PHL28500	98.0	20	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
RRW31000	11.0	20	30.0	-2.1	0.66	0.60	42	1	84.0	7.6	
URS06500	23.0	20	37.7	55.8	2.00	2.00	0	2	89.0	1.1	2.
URS06600	44.0	20	64.8	38.3	2.00	2.00	0	1	89.0	3.8	2.
URS07900	140.0	20	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
ZAI32200	-19.0	20	22.4	0.0	2.16	1.88	48	2	84.0	10.0	

1	2	3	4		5		6	7	8	9	10
											17711.08 MHZ (21)
ALB29600	-7.0	21	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
AUS00500	98.0	21	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
BEL01800	-19.0	21	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	21	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
BRM29800	74.0	21	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN17500	92.0	21	121.4	23.8	1.14	0.82	64	1	84.0	10.0	
CHN17600	79.8	21	113.7	33.9	1.20	0.80	141	2	84.0	10.0	
CYP08600	5.0	21	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	21	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
DJI09900	23.0	21	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
IND03800	56.0	21	75.9	33.4	1.52	1.08	33	2	84.0	5.1	3.
INS03200	80.2	21	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
ISL04900	-31.0	21	-19.0	64.9	1.00	0.60	177	1	82.0	3.1	
KEN24900	11.0	21	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	21	7.4	43.7	0.60	0.60	0	2	83.0	6.0	
NPL12200	50.0	21	83.7	28.3	1.72	0.60	163	1	84.0	10.0	
NZL28700	128.0	21	173.0	-41.0	3.30	1.28	48	2	84.0	10.0	
TON21500	170.0	21	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	21	53.6	24.4	0.98	0.80	162	2	84.0	2.5	
BLR06200	23.0	21	29.5	51.4	2.00	2.00	0	1	89.0	0.8	2.
GUM33100	122.0	21	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR15
GUM33101	122.0	21	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR15
											17730.26 MHZ (22)
AUS00800	128.0	22	133.7	-24.4	6.78	5.90	172	1	87.0	4.1	1.
BDI27000	11.0	22	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
BGD22000	74.0	22	90.3	23.6	1.46	0.84	135	1	84.0	6.5	
CBG29900	68.0	22	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN15900	79.8	22	106.0	32.5	5.00	3.70	150	1	84.0	3.6	
CHN16800	92.0	22	124.8	48.1	2.68	0.92	157	1	84.0	4.0	
CHN18300	62.0	22	104.8	39.0	1.48	0.60	142	2	84.0	4.5	
COG23500	-13.0	22	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	22	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
REU09700	29.0	22	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	22	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
FNL10400	5.0	22	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
HNG10600	-1.0	22	22.2	45.6	2.00	2.00	0	2	84.0	1.5	
IND04200	68.0	22	79.3	27.7	2.14	1.16	147	1	89.0	4.7	3.
INS03000	80.2	22	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
KRE28600	110.0	22	127.0	39.1	1.30	1.10	31	2	87.0	1.6	
KWT11300	17.0	22	47.6	29.2	0.68	0.60	145	1	84.0	3.2	
MLA22700	86.0	22	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MTN22300	-37.0	22	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
PAK28100	38.0	22	65.2	27.9	1.52	1.42	28	2	84.0	5.4	
PHL28500	98.0	22	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
SDN23100	-7.0	22	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	22	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	22	38.3	34.9	1.04	0.90	7	2	84.0	3.2	
TUN15000	-25.0	22	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
URS07000	44.0	22	73.8	41.4	2.00	2.00	0	1	89.0	2.7	2.
URS08100	140.0	22	168.5	65.5	2.00	2.00	0	2	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											17749.43 MHZ (23)
AGL29500	-13.0	23	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
ARS34000	17.0	23	44.6	23.4	4.21	2.48	145	2	84.0	1.4	
AUS00400	98.0	23	130.5	-24.3	6.22	4.71	51	1	87.0	4.8	1.
BRM29800	74.0	23	97.1	19.1	3.58	1.48	104	2	84.0	9.6	
CHN15800	79.8	23	106.0	32.5	5.00	3.70	150	2	84.0	3.6	
CVA08500	-37.0	23	10.8	41.5	2.00	0.60	138	1	84.0	10.0	
CNR13000	-31.0	23	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	23	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	23	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	23	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
IND04600	68.0	23	84.7	20.5	1.60	0.86	30	2	84.0	10.0	3.
INS03200	80.2	23	113.6	-1.4	6.73	3.33	160	1	84.0	10.0	
ISL05000	5.0	23	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	23	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
NIU05400	158.0	23	-169.8	-19.0	0.60	0.60	0	1	84.0	10.0	8/GR2
NIU05401	158.0	23	-169.8	-19.0	0.60	0.60	0	1	84.0	9.6	8/GR2
SDN23000	-7.0	23	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	23	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS06100	23.0	23	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2. 4.
URS064X0	23.0	23	47.2	40.9	2.00	2.00	0	2	89.0	3.9	2. 4.
URS07700	110.0	23	137.0	50.5	2.00	2.00	0	1	89.0	2.6	2.
ZWE13500	-1.0	23	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
											17768.62 MHZ (24)
AUS00700	128.0	24	133.6	-24.4	6.75	5.90	172	1	87.0	4.1	1.
CAF25800	-13.0	24	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
CBG29900	68.0	24	105.0	12.7	1.01	0.90	110	2	84.0	10.0	
CHN16600	92.0	24	121.1	41.7	1.52	0.78	154	1	84.0	7.9	
CHN17700	79.8	24	111.8	30.8	1.42	0.82	160	1	84.0	10.0	
CHN18800	62.0	24	101.5	25.1	1.86	1.08	132	1	84.0	10.0	
DNK09000	5.0	24	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
MYT09800	29.0	24	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR2
MYT09801	29.0	24	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR2
I 08200	-19.0	24	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IND04100	56.0	24	78.4	16.0	2.08	1.38	35	1	84.0	10.0	3.
INS03000	80.2	24	113.6	-1.4	6.73	3.33	160	2	84.0	10.0	
IRQ25600	11.0	24	43.5	33.0	2.28	1.32	145	2	84.0	3.1	
LSO30500	5.0	24	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MLA22700	86.0	24	102.1	4.1	1.62	0.82	135	2	84.0	10.0	
MTN28800	-37.0	24	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	24	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
NGR11500	-25.0	24	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
TKL05800	158.0	24	-171.8	-8.9	0.70	0.60	35	2	84.0	10.0	8/GR2
TKL05801	158.0	24	-171.8	-8.9	0.70	0.60	35	2	84.0	9.6	8/GR2
OMA12300	17.0	24	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
PAK28200	38.0	24	68.5	25.8	1.32	0.62	133	2	84.0	5.0	
PHL28500	98.0	24	121.3	11.1	3.46	1.76	99	2	84.0	10.0	
AZR13400	-31.0	24	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
SDN23200	-7.0	24	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
URS06601	44.0	24	73.8	41.4	2.00	2.00	0	2	89.0	4.5	2.
URS07900	140.0	24	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											17787.38 MHZ (25)
ALB29600	-7.0	25	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	25	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	25	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
CYP08600	5.0	25	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	25	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
DJI09900	23.0	25	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
ISL04900	-31.0	25	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	25	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	25	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	25	107.5	47.8	2.00	2.00	0	1	89.0	3.8	2.
TON21500	170.0	25	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	25	53.6	24.4	0.98	0.80	162	2	84.0	2.5	
BLR06201	23.0	25	24.8	56.7	2.00	2.00	0	1	89.0	4.3	2.
URS07800	110.0	25	110.0	60.0	2.00	2.00	0	2	89.0	10.0	2.
GUM33100	122.0	25	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR15
GUM33101	122.0	25	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR15
											17806.98 MHZ (26)
AUS00600	98.0	26	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	26	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
BDI27000	11.0	26	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	26	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	26	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
REU09700	29.0	26	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	26	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
FNL10400	5.0	26	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
HNG10600	-1.0	26	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	26	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
MTN22300	-37.0	26	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
SDN23100	-7.0	26	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	26	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	26	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
TUN15000	-25.0	26	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
URS06800	44.0	26	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	26	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	26	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											17826.16 MHZ (27)
AGL29500	-13.0	27	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	27	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
CVA08300	-37.0	27	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
DNK09100	5.0	27	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
CNR13000	-31.0	27	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	27	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	27	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	27	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
JOR22400	11.0	27	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
SDN23000	-7.0	27	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	27	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05900	23.0	27	47.2	40.9	2.00	2.00	0	1	89.0	3.9	2.
URS07700	110.0	27	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
ZWE13500	-1.0	27	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	

1	2	3	4		5		6	7	8	9	10
											17845.3[illegible] MHZ (28)
AUS00600	98.0	28	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	28	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
CAF25800	-13.0	28	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
MYT09800	29.0	28	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR5
MYT09801	29.0	28	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR5
I 08200	-19.0	28	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IRQ25600	11.0	28	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	28	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	28	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	28	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
NGR11500	-25.0	28	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
NOR12100	5.0	28	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
OMA12300	17.0	28	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
AZR13400	-31.0	28	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
SDN23200	-7.0	28	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
URS06602	44.0	28	58.0	59.0	2.00	2.00	0	1	89.0	10.0	2.
URS07600	74.0	28	92.8	56.1	2.00	2.00	0	2	89.0	0.3	2.
URS07900	140.0	28	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
											17864.5[illegible] MHZ (29)
ALB29600	-7.0	29	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	29	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	29	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
CYP08600	5.0	29	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	29	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
DJI09900	23.0	29	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
ISL04900	-31.0	29	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	29	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	29	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	29	107.5	47.8	2.00	2.00	0	1	89.0	0.6	2.
SEN22200	-37.0	29	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
TON21500	170.0	29	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	29	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
UKR06300	23.0	29	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
GUM33100	122.0	29	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR15
GUM33101	122.0	29	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR15
											17883.7[illegible] MHZ (30)
AUS00600	98.0	30	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	30	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
BDI27000	11.0	30	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	30	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	30	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
REU09700	29.0	30	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	30	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
HNG10600	-1.0	30	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	30	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
MTN22300	-37.0	30	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
S 13900	5.0	30	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
SDN23100	-7.0	30	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	30	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	30	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
TUN15000	-25.0	30	9.5	33.5	1.88	0.72	135	2	84.0	3.4	

1	2	3	4		5		6	7	8	9	10
											17883.70 MHZ (30)
URS06801	44.0	30	64.8	38.3	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	30	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	30	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											17902.88 MHZ (31)
AGL29500	-13.0	31	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	31	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
CVA08300	-37.0	31	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	31	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	31	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	31	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	31	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
ISL05000	5.0	31	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	31	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
SDN23000	-7.0	31	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	31	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05901	23.0	31	29.5	51.4	2.00	2.00	0	2	89.0	3.9	2.
URS07701	110.0	31	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
ZWE13500	-1.0	31	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
											17922.06 MHZ (32)
AUS00600	98.0	32	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	32	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
CAF25800	-13.0	32	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
MYT09800	29.0	32	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR2
MYT09801	29.0	32	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR2
I 08200	-19.0	32	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IRQ25600	11.0	32	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	32	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	32	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	32	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
NGR11500	-25.0	32	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
NOR12100	5.0	32	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
OMA12300	17.0	32	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
AZR13400	-31.0	32	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
SDN23200	-7.0	32	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
URS06601	44.0	32	73.8	41.4	2.00	2.00	0	2	89.0	10.0	2.
URS07500	74.0	32	92.8	56.1	2.00	2.00	0	2	89.0	0.1	2.
URS07900	140.0	32	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											17941.25 MHZ (33)
ALB29600	-7.0	33	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	33	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	33	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
CYP08600	5.0	33	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	33	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
DJI09900	23.0	33	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
ISL04900	-31.0	33	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	33	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	33	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	33	107.5	47.8	2.00	2.00	0	1	89.0	0.6	2.
SEN22200	-37.0	33	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
TON21500	170.0	33	-174.7	-18.0	1.41	0.68	85	1	84.0	10.0	
UAE27400	17.0	33	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
UKR06300	23.0	33	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
GUM33100	122.0	33	151.1	11.6	6.48	3.49	179	1	87.0	3.9	8/GR215
GUM33101	122.0	33	-157.5	21.0	2.02	0.60	115	1	87.0	2.2	8/GR215
											17960.42 MHZ (34)
BDI27000	11.0	34	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	34	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	34	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
REU09700	29.0	34	55.6	-19.2	1.56	0.78	96	2	84.0	10.0	8/GR5
REU09701	29.0	34	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
HNG10600	-1.0	34	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	34	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
MTN22300	-37.0	34	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
S 13800	5.0	34	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
SDN23100	-7.0	34	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	34	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR22900	11.0	34	38.3	34.9	1.04	0.90	7	2	84.0	2.8	
TUN15000	-25.0	34	9.5	33.5	1.88	0.72	135	2	84.0	3.4	
URS07100	44.0	34	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	34	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	34	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
											17979.60 MHZ (35)
AGL29500	-13.0	35	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	35	50.5	26.1	0.60	0.60	0	2	84.0	3.0	
CVA08300	-37.0	35	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
DNK09100	5.0	35	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
CNR13000	-31.0	35	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	35	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	35	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	35	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
JOR22400	11.0	35	35.8	31.4	0.84	0.78	114	1	85.0	2.5	
SDN23000	-7.0	35	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	35	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05902	23.0	35	37.7	55.8	2.00	2.00	0	2	89.0	2.7	2.
URS07701	110.0	35	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
ZWE13500	-1.0	35	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	

1	2	3	4		5		6	7	8	9	10
											17998.78 MHZ (36)
AUS00600	98.0	36	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	36	133.7	-24.4	6.78	5.90	172	2	87.0	4.1	1.
CAF25800	-13.0	36	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
DNK09000	5.0	36	17.0	61.5	2.00	1.00	10	1	84.0	4.2	
MYT09800	29.0	36	45.1	-12.8	0.60	0.60	0	2	84.0	10.0	8/GR7
MYT09801	29.0	36	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR7
I 08200	-19.0	36	12.3	41.3	2.38	0.98	137	1	84.0	2.0	
IRQ25600	11.0	36	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	36	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	36	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	36	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
NGR11500	-25.0	36	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
OMA12300	17.0	36	55.6	21.0	1.88	1.02	100	1	85.0	2.0	
AZR13400	-31.0	36	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
SDN23200	-7.0	36	29.6	18.4	2.54	2.09	167	1	86.0	1.4	
URS06603	44.0	36	37.7	55.8	2.00	2.00	0	2	89.0	10.0	2.
URS07900	140.0	36	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.
											18017.96 MHZ (37)
ALB29600	-7.0	37	20.1	41.0	1.17	0.65	128	2	84.0	10.0	
BEL01800	-19.0	37	4.6	50.6	0.82	0.60	167	2	84.0	0.5	
BFA10700	-31.0	37	-1.5	12.2	1.45	1.14	29	2	84.0	8.1	
CYP08600	5.0	37	33.3	35.1	0.60	0.60	0	2	84.0	10.0	
DDR21600	-1.0	37	17.2	51.8	2.00	2.00	0	1	84.0	6.1	
DJI09900	23.0	37	42.5	11.6	0.60	0.60	0	2	84.0	3.7	
ISL04900	-31.0	37	-19.0	64.9	1.00	0.60	177	1	82.0	6.0	
KEN24900	11.0	37	37.9	1.1	2.29	1.56	94	2	84.0	6.4	
MCO11600	-37.0	37	7.4	43.7	0.60	0.60	0	2	83.0	10.0	
MNG24800	74.0	37	107.5	47.8	2.00	2.00	0	1	89.0	4.0	2.
SEN22200	-37.0	37	-14.4	13.8	1.46	1.04	139	1	85.0	6.4	
UAE27400	17.0	37	53.6	24.4	0.98	0.80	162	2	84.0	2.2	
UKR06300	23.0	37	29.5	51.4	2.00	2.00	0	1	89.0	4.0	2.
GUM33100	122.0	37	151.1	11.6	6.48	3.49	179	1	87.0	9.6	8/GR15
GUM33101	122.0	37	-157.5	21.0	2.02	0.60	115	1	87.0	10.0	8/GR15
											18037.14 MHZ (38)
BDI27000	11.0	38	29.9	-3.1	0.71	0.60	80	1	84.0	7.5	
COG23500	-13.0	38	14.6	-0.7	2.02	1.18	59	1	84.0	10.0	
CTI23700	-31.0	38	-5.8	7.4	1.55	1.43	162	1	84.0	10.0	
REU09700	29.0	38	55.6	-19.2	1.56	0.78	96	2	84.0	9.6	8/GR5
REU09701	29.0	38	3.7	45.2	1.94	1.68	24	2	84.0	6.1	8/GR5
HNG10600	-1.0	38	22.2	45.6	2.00	2.00	0	2	84.0	1.1	
KWT11300	17.0	38	47.6	29.2	0.68	0.60	145	1	84.0	2.7	
MTN22300	-37.0	38	-12.2	18.5	2.62	1.87	150	2	86.0	1.4	
NOR12000	5.0	38	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
SDN23100	-7.0	38	29.9	12.9	2.64	2.08	155	1	86.0	2.5	
SUI14000	-19.0	38	8.2	46.6	0.98	0.70	171	1	84.0	0.3	9.
SYR33900	11.0	38	37.6	34.2	1.32	0.88	74	2	84.0	3.0	
TUN27200	-25.0	38	2.5	32.0	3.59	1.75	175	2	84.0	3.1	
URS07100	44.0	38	73.8	41.4	2.00	2.00	0	1	89.0	10.0	2.
URS07400	74.0	38	37.7	55.8	2.00	2.00	0	2	89.0	4.0	2.
URS08000	140.0	38	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.

1	2	3	4		5		6	7	8	9	10
											18056.32 MHZ (39)
AGL29500	-13.0	39	16.5	-12.0	3.09	2.26	84	2	84.0	4.2	
BHR25500	17.0	39	50.5	26.1	0.60	0.60	0	2	84.0	2.6	
CVA08300	-37.0	39	12.4	41.8	0.60	0.60	0	1	84.0	10.0	
CNR13000	-31.0	39	-15.7	28.4	1.54	0.60	5	1	84.0	4.5	
GHA10800	-25.0	39	-1.2	7.9	1.48	1.06	102	1	83.0	6.0	
GNE30300	-19.0	39	10.3	1.5	0.68	0.60	10	1	84.0	10.0	
HOL21300	-19.0	39	5.4	52.0	0.76	0.60	171	2	84.0	0.5	
ISL05000	5.0	39	-19.5	61.0	2.20	0.80	4	2	84.0	1.8	
JOR22400	11.0	39	35.8	31.4	0.84	0.78	114	1	85.0	2.2	
MNG24800	74.0	39	107.5	47.8	2.00	2.00	0	1	89.0	4.0	2.
SDN23000	-7.0	39	29.9	9.8	2.95	2.17	123	2	86.0	2.8	
SRL25900	-31.0	39	-11.8	8.6	0.78	0.68	114	2	84.0	10.0	
URS05902	23.0	39	37.7	55.8	2.00	2.00	0	2	89.0	4.5	2.
URS07701	110.0	39	137.0	50.5	2.00	2.00	0	2	89.0	10.0	2.
ZWE13500	-1.0	39	29.6	-18.8	1.46	1.36	37	1	85.0	3.0	
											18075.50 MHZ (40)
AUS00600	98.0	40	130.5	-24.3	6.22	4.71	51	2	87.0	10.0	1.
AUS00900	128.0	40	133.7	-24.4	6.78	5.90	172	2	87.0	10.0	1.
CAF25800	-13.0	40	21.0	6.3	2.25	1.68	31	1	84.0	8.4	
MYT09800	29.0	40	45.1	-12.8	0.60	0.60	0	2	84.0	9.6	8/GR
MYT09801	29.0	40	3.7	45.6	1.98	1.71	22	2	84.0	6.1	8/GR
I 08200	-19.0	40	12.3	41.3	2.38	0.98	137	1	84.0	4.7	
IRQ25600	11.0	40	43.5	33.0	2.28	1.32	145	2	84.0	2.7	
LSO30500	5.0	40	27.8	-29.8	0.66	0.60	36	2	84.0	4.7	
MTN28800	-37.0	40	-7.8	23.4	1.63	1.10	141	2	86.0	1.4	
MWI30800	-1.0	40	34.1	-13.0	1.54	0.60	87	2	84.0	2.7	
NGR11500	-25.0	40	8.3	16.8	2.54	2.08	44	2	85.0	1.5	
OMA12300	17.0	40	55.6	21.0	1.88	1.02	100	1	85.0	3.1	
AZR13400	-31.0	40	-23.4	36.1	2.56	0.70	158	2	84.0	6.2	7.
S 13900	5.0	40	17.0	61.5	2.00	1.00	10	1	84.0	1.6	
SDN23200	-7.0	40	29.6	18.4	2.54	2.09	167	1	86.0	1.6	
URS06603	44.0	40	37.7	55.8	2.00	2.00	0	2	89.0	10.0	2.
URS07900	140.0	40	137.0	50.5	2.00	2.00	0	1	89.0	10.0	2.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 379-E
27 September 1988
Original: English

COMMITTEE 5

Report from the Chairman of 5 ad hoc 1
to the Chairman of Committee 5

ANALYSIS OF INTERFERENCE BETWEEN THE
FEEDER-LINK PLANS OF REGIONS 1 AND 2

An analysis of the interference between the feeder-link Plans of Regions 1 and 3 and Region 2 has identified that the only orbital location affected is -31°.

Attention is drawn to Appendix 30A, Article 9, paragraph 9.2.3.

The analysis is contained in Attachment 1.

R. BARTON
Chairman 5 ad hoc 1

Attachment

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Page No. 1
09/27/88

BSS FEEDER LINK INTERREGIONAL INTERFERENCE STUDY

WANTED NAME	POL.	BEAM LONG.	INTERFER. NAME	BEAM LONG.	C/I (dB)	MARGIN (dB)	ATTN (1%)
POR13300	CO	-31.0	BERBER02	-31.0	38.5	-2.5	2.7
IRL21100	X	-31.0	BERBER02	-31.0	42.0	1.0	2.8
G 02700	X	-31.0	FLKFALKS	-31.0	38.7	-2.3	2.9
G 02700	X	-31.0	BERBER02	-31.0	38.5	-2.5	2.9
E 12900	CO	-31.0	FLKFALKS	-31.0	36.1	-4.9	4.2
E 12900	CO	-31.0	BERBER02	-31.0	29.6	-11.4	4.2
GNB30400	CO	-31.0	BERBER02	-31.0	39.9	-1.1	2.2
LBR24400	X	-31.0	FLKFALKS	-31.0	40.9	-0.1	5.7
LBR24400	X	-31.0	BERBER02	-31.0	40.7	-0.3	5.7

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Note by the Secretary-General

The delegate of Iceland announced that he would have to leave the Conference for a period of four days, i.e., from 28 September to 1 October 1988.

Pursuant to No. 392 of the Convention, the delegate of Iceland has given to the Delegation of Norway a mandate to exercise its vote during this period.

R.E. BUTLER
Secretary-General

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 381-E
29 September 1988

B.4(Corr.1)

PLENARY MEETING

FOURTH SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETING

Please replace page B.4/6 by the following.

P. ABOUDARHAM
Chairman of Committee 7

Annex: 1 page

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b) an administration in Region 1 or 3 is considered to be affected if it has an assignment for feeder links in the fixed-satellite service (Earth-to-space), any portion of the necessary bandwidth of which falls within the necessary bandwidth of the proposed assignment, which is in conformity with the feeder-link Plan for Regions 1 and 3, or in respect of which proposed modifications to the Plan have already been published by the Board in accordance with the provisions of paragraphs 4.2.3.1 and 4.2.4 of Article 4 of Appendix 30A (Orb-88) and for which the limits set out in Section 5 of Annex 1 of Appendix 30A (Orb-88) are exceeded.

c) an administration in Regions 1, 2 or 3 is considered to be affected if it has a frequency assignment in the fixed-satellite service (space-to-Earth) which is recorded in the Master Register or which has been coordinated or is being coordinated under the provisions of No. 1060 of the Radio Regulations and the appropriate limits of Section 1 of Annex 1 to Appendix 30A are exceeded;

d) an administration in Regions 1, 2 or 3 is considered to be affected if it has a frequency assignment in the band 17.7 - 17.8 GHz to a terrestrial station, in use or intended to be brought into use within three years of the projected date of bringing into use of the feeder-link earth station, which is located within the coordination area of the feeder-link earth station concerned and the limits of Section 2 of Annex 1 to Appendix 30A are exceeded.

5. The Board shall publish in a special section of its weekly circular the information received under paragraph 3, together with the names of the administrations which the Board has identified in applying paragraph 4.

6. When the Board finds that the suspended assignment of an administration having an interim system is not affected, it shall examine the projected interim system with respect to the interim system of that administration and if there is an incompatibility, it shall request the two administrations concerned to adopt any measures that may enable the new interim system to be operated.

7. The Board shall send a telegram to the administrations listed in the special section of the weekly circular drawing their attention to the information it contains and shall send them the results of its calculations.

8. Any administration not listed in the special section which considers that its planned interim assignment may be affected shall so inform the administration responsible for the interim system and the Board, and the two administrations shall endeavour to resolve the difficulty before the proposed date of bringing the interim assignment into use.

9. An administration which has not sent its comments either to the administration seeking agreement or to the Board within a period of four months following the date of the weekly circular referred to in paragraph 5 shall be understood as having agreed to the proposed interim use.

10. On the expiry of four months following the date of publication of the weekly circular referred to in paragraph 5, the Board shall review the matter, and, depending on the results obtained, shall inform the administration proposing the interim assignment that:

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 381-E
28 September 1988

B.4

PLENARY MEETING

FOURTH SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following texts are submitted to the Plenary Meeting for first reading:

Source	Document	Title
COM.5	334(358)	Resolution 42(Rev.Orb-88) Resolution 506(Rev.Orb-88) Resolution COM5/1 Resolution COM5/4

P. ABOUDARHAM
Chairman of Committee 7

Annex: 13 pages

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

RESOLUTION 42(Rev.Orb-88)

Use of Interim Systems in Region 2 in the Broadcasting-Satellite and Fixed-Satellite (Feeder Link) Services in Region 2 for the Bands Covered by Appendix 30(Orb-85) and Appendix 30A

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of the Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the Regional Administrative Conference for the Planning of the Broadcasting-Satellite Service in Region 2, Geneva, 1983, prepared a Plan for the broadcasting-satellite service in the band 12.2 - 12.7 GHz and a Plan for the associated feeder links in the band 17.3 - 17.8 GHz with provisions for implementing Interim Systems in accordance with Resolution 2(Sat-R2);

b) that in the implementation of their assignments in the Plans, administrations of Region 2 may find it more appropriate to adopt a phased approach and initially use characteristics different from those appearing in the appropriate Region 2 Plan;

c) that some administrations of Region 2 may cooperate in the joint development of a space system with a view to covering two or more service areas from the same orbital position or to using a beam which would encompass two or more service areas;

d) that some administrations of Region 2 may cooperate in the joint development of a space system with a view to covering two or more feeder-link service areas from the same orbital position or to using a beam which encompasses two or more feeder-link service areas;

e) that interim systems shall not adversely affect the Plans nor hamper the implementation and evolution of the Plans;

f) that the number of assignments to be used in an interim system shall not in any case exceed the number of assignments appearing in the Region 2 Plan which are to be suspended;

g) that the interim systems shall not in any case use orbital positions that are not in the Region 2 Plan;

h) that an interim system shall not be introduced without the agreement of all administrations whose space and terrestrial services are considered to be affected;

resolves

that administrations and the IFRB shall apply the procedure contained in the Annex to this Resolution, so long as Appendices 30(Orb-85) and 30A remain in force.

ANNEX TO RESOLUTION 42(Rev.Orb-88)

1. An administration or a group of administrations in Region 2 may, after successful application of the procedure contained in this Annex and with the agreement of the affected administrations, use an interim system during a specified period not exceeding ten years in order:

1.1 for an interim system in the broadcasting-satellite service

a) to use an increased e.i.r.p. in any direction relative to that appearing in the Region 2 Plan provided that the power flux-density does not exceed the limits given in Annex 5 of Appendix 30(Orb-85);

b) to use modulation characteristics[1] different from those appearing in the Annexes to the Region 2 Plan and resulting in an increased probability of harmful interference or in a wider assigned bandwidth;

c) to change the coverage area by displacing boresight, or by increasing the major or minor axis, or by rotating them from an orbital position which shall be one of the corresponding orbital positions appearing in the Region 2 Plan;

d) to use a coverage area appearing in the Region 2 Plan or a coverage area encompassing two or more coverage areas appearing in the Region 2 Plan from an orbital position which shall be one of the corresponding positions appearing in the Region 2 Plan;

e) to use a polarization different from that in the Region 2 Plan.

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[1] For example, modulation with sound channels frequency-multiplexed within the bandwidth of a television channel, digital modulation of sound and television signals, or other pre-emphasis characteristics.

1.2 for an interim feeder-link system

a) to use an increased e.i.r.p. in any direction relative to that appearing in the Region 2 feeder-link Plan;

b) to use modulation characteristics[1] different from those appearing in the Annexes to the Plan and resulting in an increased probability of harmful interference or in a wider assigned bandwidth;

c) to change the feeder-link beam area by displacing the boresight, or by increasing the major or minor axis, or by rotating them in relation to an orbital position which shall be one of the corresponding orbital positions appearing in the Region 2 feeder-link Plan

d) to use a feeder-link beam area appearing in the Region 2 feeder-link Plan or a feeder-link beam area encompassing two or more feeder-link beam areas appearing in the Region 2 feeder-link Plan in relation to an orbital position which shall be one of the corresponding orbital positions appearing in the Region 2 feeder-link Plan;

e) to use a polarization different from that in the Region 2 feeder-link Plan.

2. In all cases, an interim system shall correspond to assignments in the appropriate Region 2 Plan; the number of assignments to be used in an interim system shall not in any case exceed the number of assignments appearing in the Region 2 Plan which are to be suspended. During the use of an interim system, the use of the corresponding assignments in the Region 2 Plan is suspended; they shall not be brought into use before the cessation of the use of the interim system. However, the suspended assignments, but not the interim system's assignments, of an administration shall be taken into account when other administrations apply the procedure of Article 4 of Appendix 30(Orb-85) or of Article 4 of Appendix 30A, as appropriate, in order to modify the Plans, or the procedure of this Annex in order to bring an interim system into use. The assignments of interim systems shall not be taken into account in applying the procedure of Article 6 or Article 7 of Appendix 30(Orb-85) and the procedure of Article 6 or Article 7 of Appendix 30A.

2bis As a specific consequence of paragraph 2 above, Region 2 interim system assignments shall not obtain protection from, or cause harmful interference to, new or modified assignments appearing in the Regions 1 and 3 Plans following the successful application of the procedure of Article 4 of Appendix 30(Orb-85) or of Article 4 of Appendix 30A, as appropriate, even if the assignment modification procedure is concluded and the assignments become operational within the time-limit specified in paragraph 3(a).

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[1] For example, modulation with sound channels frequency-multiplexed within the bandwidth of a television channel, digital modulation of sound and television signals, or other pre-emphasis characteristics.

3. When an administration proposes to use an assignment in accordance with paragraph 1, it shall communicate to the IFRB the information listed in Annex 2 of Appendix 30(Orb-85) or in Annex 2 of Appendix 30A, as appropriate, not earlier than five years but, preferably, not later than twelve months before the date of bringing into use. The administration shall also indicate:

a) the maximum specified period during which the interim assignment is intended to remain in use;

b) the assignments in the Region 2 Plans the use of which will remain suspended for the duration of the use of the corresponding interim assignment;

c) the names of the administrations with which an agreement for the use of the interim assignment has been reached, together with any comment relating to the period of use so agreed and the names of administrations with which an agreement may be required but has not yet been reached.

4. Administrations are considered to be affected as follows:

4.1 <u>for an interim system in the broadcasting-satellite service</u>

a) an administration of Region 2 is considered to be affected if any overall equivalent protection margin of one of its assignments in the Region 2 Plan, calculated in accordance with Annex 5 to Appendix 30(Orb-85) including the cumulative effect of all interim uses during the maximum specified period of use of the interim system, but excluding the corresponding suspended assignments (paragraph 3 b)), becomes negative or a former negative value is made more negative;

b) an administration of Region 1 or 3 is considered to be affected if it has an assignment which is in conformity with the Regions 1 and 3 Plan contained in Appendix 30(Orb-85) or in respect of which proposed modifications have been published by the Board in accordance with the provisions of Article 4 of that Appendix with a necessary bandwidth which falls within the necessary bandwidth of the proposed interim assignment and the appropriate limits of Section 3 of Annex 1 of Appendix 30(Orb-85) are exceeded;

c) an administration of Region 1 or 3 is considered to be affected if it has a frequency assignment in the fixed-satellite service which is recorded in the Master Register or which has been coordinated or is being coordinated under the provisions of No. 1060 of the Radio Regulations or under Article 7 of Appendix 30(Orb-85) or which has been published in accordance with No. 1044 of the Radio Regulations or of paragraph 7.1.3 of Appendix 30(Orb-85) and the appropriate limits of Section 6 of Annex 1 of Appendix 30(Orb-85) are exceeded;

d) an administration of Region 1 or 3 is considered to be affected if, although having no frequency assignment in the appropriate Regions 1 and 3 Plan in the channel concerned, it nevertheless would receive on its territory a power flux-density value which exceeds the limits given in Section 5 of Annex 1 of Appendix 30(Orb-85) as a result of the proposed interim assignment, or if it has such an assignment for which its associated service area does not cover the whole of the territory of the administration, and in its territory outside that service area the power flux-density from the interim system space station exceeds the above-mentioned limits;

e) an administration of Region 2 is considered to be affected if, although having no frequency assignment in the appropriate Region 2 Plan in the channel concerned, it nevertheless would receive on its territory a power flux-density value which exceeds the limits given in Section 8b) of Annex 1 of Appendix 30(Orb-85) as a result of the proposed interim assignment, or if it has such an assignment for which its associated service area does not cover the whole of the territory of the administration, and in its territory outside that service area the power flux-density from the interim system space station exceeds the above-mentioned limits;

f) an administration of Region 3 is considered to be affected if it has a frequency assignment to a space station in the broadcasting-satellite service in the band 12.5 - 12.7 GHz with a necessary bandwidth any portion of which falls within the necessary bandwidth of the proposed assignment, and which:

- is recorded in the Master Register; or

- has been coordinated or is being coordinated under the provisions of Resolution 33 of the World Administrative Radio Conference, Geneva, 1979; or

- appears in a Region 3 Plan to be adopted at a future administrative radio conference, taking account of modifications which may be introduced subsequently in accordance with the Final Acts of that Conference,

and the limits of Section 3, Annex 1 to Appendix 30(Orb-85) are exceeded.

4.2 <u>for interim feeder-link systems</u>

a) an administration of Region 2 is considered to be affected if any overall equivalent protection margin of one of its assignments in the Plan, calculated in accordance with Annex 3 to Appendix 30A including the cumulative effect of all interim uses during the maximum specified period of use of the interim system, but excluding the corresponding suspended assignment(s) (paragraph 3b)), becomes negative or a former negative value is made more negative;

b) an administration in Regions 1 or 3 is considered to be affected if any equivalent protection margin of one of its assignments in the Plan, calculated in accordance with Annex 3 to Appendix 30A including the cumulative effect of all interim uses during the maximum specified period of use of the interim system, but excluding the corresponding suspended assignment(s) (paragraph 3b)), becomes negative or a former negative value is made more negative;

c) an administration in Regions 1, 2 or 3 is considered to be affected if it has a frequency assignment in the fixed-satellite service (space-to-Earth) which is recorded in the Master Register or which has been coordinated or is being coordinated under the provisions of No. 1060 of the Radio Regulations and the appropriate limits of Section 1 of Annex 1 to Appendix 30A are exceeded;

d) an administration in Regions 1, 2 or 3 is considered to be affected if it has a frequency assignment in the band 17.7 - 17.8 GHz to a terrestrial station, in use or intended to be brought into use within three years of the projected date of bringing into use of the feeder-link earth station, which is located within the coordination area of the feeder-link earth station concerned and the limits of Section 2 of Annex 1 to Appendix 30A are exceeded.

5. The Board shall publish in a special section of its weekly circular the information received under paragraph 3, together with the names of the administrations which the Board has identified in applying paragraph 4.

6. When the Board finds that the suspended assignment of an administration having an interim system is not affected, it shall examine the projected interim system with respect to the interim system of that administration and if there is an incompatibility, it shall request the two administrations concerned to adopt any measures that may enable the new interim system to be operated.

7. The Board shall send a telegram to the administrations listed in the special section of the weekly circular drawing their attention to the information it contains and shall send them the results of its calculations.

8. Any administration not listed in the special section which considers that its planned interim assignment may be affected shall so inform the administration responsible for the interim system and the Board, and the two administrations shall endeavour to resolve the difficulty before the proposed date of bringing the interim assignment into use.

9. An administration which has not sent its comments either to the administration seeking agreement or to the Board within a period of four months following the date of the weekly circular referred to in paragraph 5 shall be understood as having agreed to the proposed interim use.

10. On the expiry of four months following the date of publication of the weekly circular referred to in paragraph 5, the Board shall review the matter, and, depending on the results obtained, shall inform the administration proposing the interim assignment that:

a) it may notify its proposed use under Article 5 of Appendix 30(Orb-85) or Article 5 of Appendix 30A, as appropriate, if no agreement is required or the required agreement has been obtained from the administrations concerned. In this case the Board shall update the Interim List;

b) it may not bring into use its interim system before having obtained the agreement of the administrations affected, either directly or by applying the procedure described in Article 4 of Appendix 30(Orb-85) or Article 4 of Appendix 30A, as appropriate, as a means of obtaining that agreement.

11. The Board shall include all the interim assignments in an Interim List in two parts, one each for the broadcasting-satellite service and the feeder-link assignments, and shall update it in accordance with this Annex. The Interim List shall be published together with the Region 2 Plans but does not constitute part of them.

12. One year prior to the expiry of the interim period, the Board shall draw the attention of the administration concerned to this fact and request it to notify in due time the deletion of the assignment from the Master Register and the Interim List.

13. If, notwithstanding the reminders by the Board, an administration does not reply to its request sent in application of paragraph 12, the Board shall, at the termination of the interim period:

a) enter a symbol in the Remarks Column of the Master Register to indicate the lack of response and that the entry is for information only;

b) not take that assignment into account in the Interim List;

c) inform the administrations concerned and affected of its action.

14. When an administration confirms the termination of the use of the interim assignment, the Board shall delete the assignment concerned from the Interim List and the Master Register. Any corresponding assignment in the Plan(s), suspended earlier, may then be brought into use.

15. An administration which considers that its interim system may continue to be used after the expiry of the interim period may extend it by not more than four years and to this effect shall apply the procedure described in this Annex.

16. When an administration applies the procedure in accordance with paragraph 15, but is unable to obtain the agreement of one or more affected administrations, the Board shall indicate this situation by inserting an appropriate symbol in the Master Register. Upon receipt of a complaint of harmful interference, the administration shall immediately cease operation of the interim assignment.

17. When an administration, having been informed of a complaint of harmful interference, does not cease transmission within a period of thirty days after the receipt of complaint, the Board shall apply the provisions of paragraph 13.

(MOD) RESOLUTION 506(Rev.Orb-88)

MOD **Use by Space Stations Operating in the 12 GHz Frequency Bands Allocated to the Broadcasting-Satellite Service of the Geostationary-Satellite Orbit and No Other**

MOD The World Administrative Radio Conference, on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

NOC a) that a Plan designating frequency assignments in the above-mentioned frequency bands and positions in the geostationary-satellite orbit has been adopted by the World Broadcasting-Satellite Administrative Radio Conference, Geneva, 1977 for Regions 1 and 3;

MOD b) that a similar Plan for Region 2 has been adopted by the Regional Administrative Conference for the Planning of the Broadcasting-Satellite Service in Region 2, Geneva, 1983;

ADD b)bis that the Plans referred to in considerings a) and b) above were consolidated in Appendix 30(Orb-85) to the Radio Regulations at the First Session of the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, Geneva, 1985 (Orb-85);

NOC c) that the operation of space radiocommunication services in the frequency bands concerned in orbits other than the geostationary-satellite orbit would be incompatible with the plans referred to in a) and b) above;

resolves

NOC that administrations shall ensure that their space stations in these frequency bands are operated in the geostationary-satellite orbit and no other.

SUP Note 1

RESOLUTION COM5/1

Future Change in Article 8 for the Broadcasting-Satellite Service (Sound) In the Frequency Range 500 MHz to 3 000 MHz

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the subject of the broadcasting-satellite service (sound) has been under consideration within the Union for a quarter of a century;

b) "that the World Administrative Radio Conference, Geneva, 1979 (WARC 1979) resolved in Resolution 505 that the next world administrative radio conference dealing with space radiocommunication services in general or with a specific space radiocommunication service should be authorized to consider the results of various studies and to take appropriate decisions regarding the allocation of a suitable frequency band";

c) that Recommendation 2 of the First Session of this Conference (Geneva, 1985) recommended that the Second Session of this Conference should consider the results of the various up-to-date studies and in reviewing the situation prevailing at that time take appropriate decisions concerning the various aspects of this system as outlined in Resolution 505 of WARC 1979;

d) that, at the Conference Preparatory Meeting (CPM) (1984), the CCIR indicated that further work would be needed to define the system parameters;

e) that the CCIR has provided this Session of the Conference with a report on its studies relating to the broadcasting-satellite service (sound);

f) that the broadcasting-satellite service (sound) is technically feasible;

g) that there is a need by a number of administrations for broadcasting-satellite services (sound) for individual reception with low cost, portable and mobile receivers with simple antennas, in rural and urban areas;

h) that a number of administrations consider that existing services have high importance and should be protected;

i) that individual reception of sound programmes with portable and automobile receivers is not possible using the frequency bands at present allocated to the broadcasting-satellite service;

j) that several administrations made proposals to WARC-79 concerning frequency band allocations for broadcasting-satellite service (sound) in the range 500 MHz to 2 000 MHz;

k) that, on the basis of the technical characteristics of the systems and of propagation factors, as studied by the CCIR up to now, the band 500 to 2 000 MHz would be preferable for the implementation of the service, the lower end at approximately 500 MHz because of increasing man-made noise and transmitting antenna size with decreasing frequency, and the upper end at approximately 2 000 MHz because of the decreasing effective area of the receiving antenna and reduced diffraction around obstacles with increasing frequency;

l) that studies to date have shown that accommodation of the broadcasting-satellite service (sound) in the frequency range 500 to 2 000 MHz or nearby will cause considerable sharing difficulties with other services and that extensive use of this frequency range is now being made by many services, thus making difficult the allocation of a band to the broadcasting-satellite service (sound);

m) that recent studies and developments included in the Report of the CCIR to this Session of the Conference have shown that the use of FM modulation techniques in low latitudes, the application of advanced digital modulation techniques in higher latitudes and the possibilities of sharing on the basis of geographical separation may, under the conditions specified in the CCIR Report, facilitate band-sharing with other radiocommunication services;

n) that by taking into consideration the extended band 500 MHz to 3 000 MHz the possibility of identifying a new frequency band for the broadcasting-satellite service (sound) is enhanced, and that in general it is not easy for a broadcasting-satellite service (sound) to share a frequency band with other services, for which reason the CCIR reports that an exclusive band allocation would be preferred;

o) that due consideration should also be given to the need for the necessary associated feeder links for the broadcasting-satellite service (sound);

p) that more time is required to design and plan a sound-broadcasting system which might be introduced in the early part of the next century and, where necessary, to plan and effect the re-accommodation of existing services for those countries interested in these services;

considering also, as regards the work of the CCIR

a) that the frequency range now being considered is 500 to 3 000 MHz;

b) that experiments have confirmed certain postulates made in theoretical studies and further, that an experimental system using advanced digital modulation techniques has been demonstrated;

c) that advanced digital modulation systems have amongst others, the advantage of low transmitting power and, consequently, may be shared with other services although further studies are required;

d) that further system studies are necessary before the implementation of operational systems;

e) that studies concerning this service have been conducted in accordance with Study Programme 2K-1/10 and 11;

f) that the appropriate frequency range for the service is limited by man-made noise, the size of both the transmitting and receiving antennas, propagation factors, satellite transmit power, and sharing (including sharing on a geographical basis);

g) that the bandwidth requirements of the broadcasting-satellite service (sound) will depend on the extent of the possibilities of frequency reuse;

noting

that the World Administrative Radio Conference for the Planning of the HF Bands Allocated to the Broadcasting Service, Geneva, 1987, in Recommendation 511(HFBC-87)) already raised the question of a future world administrative radio conference to review and as necessary revise the Table of Frequency Allocations in the high frequency portion of the spectrum; and that the World Administrative Radio Conference for the Mobile Services(Mob-87), Geneva, 1987 in Resolution 208 (Mob-87)* also raised the question of a world administrative radio conference to be held not later than 1992 to consider a partial revision of the Table of Frequency Allocation in the range 1 000 to 3 000 MHz;

further noting

that the reception conditions (portable and vehicular reception) and propagation factors (echoes, selective fading, etc.) for the broadcasting-satellite service (sound) are similar to those for the mobile-satellite service and a frequency band in a similar frequency range can therefore be considered;

resolves

a) that a band (or bands) of frequencies in the range 500 MHz to 3 000 MHz be sought with a view to a possible allocation to the broadcasting-satellite service (sound);

b) that appropriate provisions be made for the associated feeder links;

c) that appropriate provisions be made to regulate sharing, with other radiocommunication services wherever applicable, of any bands identified in resolves A) and b);

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* Note from Committee 7: currently COM4/14.

d) that appropriate provisions be developed to protect existing services and, if necessary, to re-accommodate in other bands assignments to the stations of existing services that may be affected in those countries in which frequency bands will be allocated to the broadcasting-satellite service (sound);

resolves to recommend

that the Plenipotentiary Conference, Nice 1989, should include in the programme of conferences the subject of the revision of the Table of Frequency Allocations in Article 8, as referred to in "noting", taking into account the "further noting" and the Conference proposed in Resolution 208(Mob-87)* by WARC MOB-87, in order to provide, if possible, for the necessary allocation to the broadcasting-satellite service (sound) within the frequency range 500 - 3 000 MHz and the appropriate provisions to accommodate the associated feeder links;

invites the CCIR

to pursue its technical studies on the broadcasting-satellite service (sound) in the frequency range 500 - 3 000 MHz, especially on the following issues:

a) the impact of choice of frequency on system parameters, especially satellite power requirements, the characteristics of transmitting and receiving antennas and on propagation characteristics;

b) the bandwidth required by the service;

c) the technical aspects of sharing between services with special consideration to geographical sharing,

and to provide a report to the Conference referred to in the resolves to recommend above;

invites the Secretary-General

to bring this Resolution to the attention of the Plenipotentiary Conference, Nice, 1989, and to the subsequent meeting of the Administrative Council.

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* Note from Committee 7: currently COM4/14.

BLUE PAGES

RESOLUTION COM5/4

**Country/Geographical Area Symbols
Used in Appendix 30(Orb-85) and Appendix 30A**

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

noting

that several country/geographical area symbols used in Appendix 30(Orb-85) have changed or are no longer appropriate and are therefore not listed in the Preface to the International Frequency List (IFL);

noting further

the provisions of No. 2237 of the Radio Regulations;

recognizing

that country symbols in the Preface to the IFL may be changed at irregular intervals, as the need arises and on the basis of prior consultation between the Secretary-General and the IFRB and the countries concerned;

considering

that there should be no discrepancies between the country/geographical area symbols listed in the Preface to the IFL and those appearing in Appendix 30(Orb-85) and Appendix 30A;

resolves to instruct the Secretary-General

to ensure that, when updating the Radio Regulations, the country/geographical area symbols used in Appendix 30(Orb-85) and Appendix 30A reflect the latest status, following consultation with the countries concerned.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 3 to
Document 382-E
4 October 1988
Original: French

AMENDMENTS TO THE REPORT OF COMMITTEE 2 TO THE PLENARY

Following the oral report by the Chairman of Committee 2 to the tenth Plenary Meeting, the following changes should be made in the annex to Document 382 :

Section 1, insert Madagascar (Democratic Republic of)

Section 3, delete Madagascar (Democratic Republic of)

S. SISSOKO
Chairman of Committee 2

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 2 to
Document 382-E
1 October 1988
Original: French

AMENDMENTS TO THE REPORT OF COMMITTEE 2 TO THE PLENARY

Following the oral report by the Chairman of Committee 2 to the seventh Plenary Meeting, the following changes should be made in the annex to Document 382:

Section 1, insert Ecuador
Panama (Republic of)

Section 2, insert Peru

Section 3, delete Ecuador
Peru

S. SCISSOR
Chairman of Committee 2

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 382-E
29 September 1988
Original: English

AMENDMENTS TO THE REPORT OF COMMITTEE 2 TO THE PLENARY

Following the oral report by the Chairman of Committee 2 to the sixth Plenary Meeting the following changes should be made in the annex to Document 382:

Section 1, insert Mexico.

Section 3, delete Mexico.

S. SISSOKO
Chairman of Committee 2

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 382-E
28 September 1988
Original: French

PLENARY MEETING

REPORT OF COMMITTEE 2 TO THE PLENARY MEETING

(CREDENTIALS)

1. Terms of reference

The terms of reference of the Committee are set out in Document 114.

2. Meetings

The Committee met twice, on 1 and 28 September 1988.

At its first meeting, it set up a Working Group consisting of the Chairman and Vice-Chairman of the Committee and one delegate from Argentina, from Indonesia and from Switzerland to verify Delegations' credentials in accordance with Article 67 of the International Telecommunication Convention, Nairobi (1982).

3. Conclusions

The conclusions reached by the Committee are reproduced in the annex attached hereto and submitted to the Plenary Meeting for approval.

4. Final remark

The Committee recommends that the Plenary Meeting authorize the Chairman and the Vice-Chairman of Committee 2 to verify the credentials received after the date of the present report and to submit their conclusions to the Plenary Meeting on the matter.

S. SISSOKO
Chairman of Committee 2

Annex: 1

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ANNEX

1. Credentials found to be in order, deposited by the Delegations of countries having the right to vote

Afghanistan (Republic of)
Albania (Socialist People's Republic of)
Algeria (People's Democratic Republic of)
Germany (Federal Republic of)
Antigua and Barbuda
Saudi Arabia (Kingdom of)
Argentine Republic
Australia
Bahamas (Commonwealth of the)
Bahrain (State of)
Belgium
Benin (People's Republic of)
Byelorussian Soviet Socialist Republic
Brunei Darussalam
Bulgaria (People's Republic of)
Burkina Faso
Cameroon (Republic of)
Canada
Chile
China (People's Republic of)
Cyprus (Republic of)
Vatican City State
Colombia (Republic of)
Korea (Republic of)
Côte d'Ivoire (Republic of)
Cuba
Denmark
Egypt (Arab Republic of)
United Arab Emirates
Spain
United States of America
Ethiopia (People's Democratic Republic of)
Finland
France
Gabonese Republic
Ghana
Greece
Hungarian People's Republic
India (Republic of)
Indonesia (Republic of)
Iran (Islamic Republic of)
Iraq (Republic of)
Iceland
Israel (State of)
Italy
Japan
Jordan (Hashemite Kingdom of)
Kenya (Republic of)
Kuwait (State of)
Lebanon
Liechtenstein (Principality of)

Luxembourg
Malaysia
Mali (Republic of)
Malta (Republic of)
Monaco
Mongolian People's Republic
Norway
New Zealand
Oman (Sultanate of)
Pakistan (Islamic Republic of)
Papua New Guinea
Paraguay (Republic of)
Netherlands (Kingdom of the)
Poland (People's Republic of)
Portugal
Qatar (State of)
Syrian Arab Republic
German Democratic Republic
Democratic People's Republic of Korea
Ukrainian Soviet Socialist Republic
United Kingdom of Great Britain and Northern Ireland
San Marino (Republic of)
Senegal (Republic of)
Singapore (Republic of)
Sweden
Switzerland (Confederation of)
Tanzania (United Republic of)
Czechoslovak Socialist Republic
Thailand
Togolese Republic
Tonga (Kingdom of)
Trinidad and Tobago
Tunisia
Turkey
Union of Soviet Socialist Republics
Uruguay (Eastern Republic of)
Venezuela (Republic of)
Viet Nam (Socialist Republic of)
Yugoslavia (Socialist Federal Republic of)
Zambia (Republic of)
Zimbabwe (Republic of)

Conclusion: The Delegations of these countries are entitled to vote and to sign the Final Acts.

2. Credentials found to be in order, deposited by the Delegations of countries which do not have the right to vote (see Document 79(Rev.))

Angola (People's Republic of)
Austria
Brazil (Federative Republic of)
Burundi (Republic of)
Central African Republic
Guinea (Republic of)
Ireland
Liberia (Republic of)
Libya (Socialist People's Libyan Arab Jamahiriya)
Morocco (Kingdom of)

Mauritania (Islamic Republic of)
Nigeria (Federal Republic of)
Romania (Socialist Republic of)

Conclusion: The Delegations of these countries are not entitled to vote, but may sign the Final Acts.

3. Delegations attending the Conference which have not deposited credentials

*Bolivia (Republic of)
Congo (People's Republic of the)
*Costa Rica
Djibouti (Republic of)
Ecuador
*Guatemala (Republic of)
*Honduras (Republic of)
Jamaica
Madagascar (Democratic Republic of)
Mexico
*Peru
Rwandese Republic
*Somali Democratic Republic
*Sudan (Republic of the)

Conclusion: The Delegations of these countries are entitled neither to vote nor to sign the Final Acts.

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* Included in the list of countries which have lost the right to vote (see Document 79(Rev.)).

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 383-E
28 September 1988
Original: English

COMMITTEE 6

Report of the Chairman of 6 ad hoc 1
to the Chairman of Committee 6

DRAFT RESOLUTION [COM6/4]

Relating to the Extension of the Period of the Bringing into Use of Assignments to Space Radiocommunications Stations

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that it has revised No. 1550 of the Radio Regulations relating to the extension of the date of bringing into use of assignments to space radiocommunications stations;

b) that in accordance with the revised provision an administration may extend the date of bringing into use of its assignment by a period of three years leading to a total period of nine years between the date of publication of the Special Section referred to in No. 1044 and the date of bringing into use;

c) that the current No. 1550 limits this period to five years and 18 months;

d) that exceptional circumstances may lead to difficulties for administrations in bringing satellite networks into use by the date originally envisaged;

e) that one such exceptional circumstance is the problem over the availability of launch facilities;

f) that currently there exist satellite networks in the advanced publication or coordination stages, for which an extension of the date of bringing into use beyond five years and 18 months has been requested;

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resolves

that administrations and the IFRB shall, with immediate effect, apply the provisions of No. 1550 of the Radio Regulations as contained in the Final Acts of this Conference with respect to any request for an extension of the date of bringing into use of assignments to space radiocommunications stations;

requests the IFRB

1. to apply, for all satellite networks for which the IFRB has already received the advance publication information or for which the coordination procedure has been initiated, a period of extension which would lead to a total period of nine years between the date of publication under No. 1044 and the date of bringing into use;

2. to provide an extension beyond that recognized in No. 1550 in those cases where the satellite network was intended to be brought into use during the period described in considering c) but could not be brought into use because a launch vehicle was not available;

recommends the IFRB

when revising its Rules of Procedure relating to the application of No. 1550, to take account of the revision adopted by the Conference for this provision, and of this Resolution.

M. BATES
Chairman of 6 ad hoc 1

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 384-E
28 September 1988
Original: French

COMMITTEE 6

France

RECOMMENDATION [COM6/..]

Relating to the Allocation of Frequency Bands to the Space Research and Space Operation Services

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the space research and space operation services are dependent on the use of frequencies around 2 GHz and that their increased use expected in the years ahead may give rise to harmful interference to these services;

b) that the only frequency allocations to these services in this part of the spectrum are contained in footnotes to the Table of Frequency Allocations and are subject to agreement being obtained in accordance with the procedure in Article 14;

c) that before being amended by the World Administrative Radio Conference (Geneva, 1979), the Radio Regulations provided for frequency allocations to these services;

d) that, as a result of the introduction by the World Administrative Radio Conference (Geneva, 1979), of the application of Article 14 procedure for these services in the bands 2 025 - 2 120 MHz and 2 200 - 2 290 MHz, the task of obtaining the agreements required for the definitive development of space systems designed to operate in these bands has become longer and more uncertain[1];

e) that these frequency bands are often used inter alia for the geostationary satellite drift phase and that, during such operations, the risks run by such satellites are very considerable and may give rise to catastrophic situations;

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1 See the IFRB report in Document 4 (ORB-85).

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f) that the bands 2 025 - 2 120 MHz and 2 200 - 2 290 MHz are regularly used by numerous launchers at the present time to gain access to the geostationary-satellite orbit and that they will be used increasingly for this purpose as a large number of countries gain access to this orbit;

g) that the bands 2 025 - 2 120 MHz and 2 200 - 2 290 MHz will be used increasingly for satellite launches and the operational phases of manned space flights and that exceptional care will therefore have to be taken to ensure the safety of life;

h) that the Radio Regulations give special importance to frequency uses involving the safety of life;

i) that account must be taken of this constraint in connection with the assignment and use of the above frequency bands for these services in order to protect them from harmful interference;

noting

1) that the space research and the space operation services have never caused any reported harmful interference to services operating on a shared basis, despite the large number of assignments which they use;

2) that administrations have planned space systems in these frequency bands and that they need quick decisions as regards the use and protection of the corresponding frequency assignments;

3) that considerable advance cooperation is required to develop international space projects, which are generally carried out in the interests and for the benefit of all mankind and of science;

invites the Administrative Council

to place this Recommendation on the agenda of the World Administrative Radio Conference scheduled for the early 1990s with a view to considering the allocation of adequate frequency bands around 2 GHz to the space research and space operation services and to improving the protection of frequency assignments to these services in those bands.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 385-E
29 September 1988
Original: English

COMMITTEE 2

SUMMARY RECORD

OF THE

SECOND AND LAST MEETING OF COMMITTEE 2

(CREDENTIALS)

Wednesday, 28 September 1988, at 0900 hrs

Chairman: Mr. S. SISSOKO (Mali)

Subjects discussed	Documents
1. Approval of the summary record of the first meeting	146
2. First, second and third reports of Working Group 2-A	194, 293, 353
3. Draft report to the Plenary Meeting	DT/87

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1. Summary record of the first meeting (Document 146)

The summary record of the first meeting was approved.

2. First, second and third reports by Working Group 2-A (Documents 194, 293 and 353)

The reports from Working Group 2-A were approved.

3. Draft report to the Plenary Meeting (Document DT/87)

3.1 The Secretary of the Committee, in response to a question by the delegate of the United States of America, explained that the lists in the annex were not so much a grouping of countries according to certain criteria as a statement of entitlement to vote and to sign the Final Acts in accordance with the ITU Convention.

3.2 The Chairman drew attention to the recommendation in paragraph 4 of the report to the effect that the Chairman and Vice-Chairman be authorized to verify any further credentials which might be submitted and to report thereon directly to the Plenary.

The Committee endorsed that action and approved the draft report to the Plenary.

3.3 The Chairman expressed his appreciation to the Working Group which had assisted him in his task and declared the work of the Committee complete.

The meeting rose at 0910 hours.

The Secretary: The Chairman:

X. ESCOFET S. SISSOKO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 386-E
14 November 1988
Original: English

COMMITTEE 4

SUMMARY RECORD

OF THE

FIFTEENTH MEETING OF COMMITTEE 4

(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

Wednesday, 28 September 1988, at 0905 hrs

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed:		Documents
1.	Note from the Chairman of Working Group 4-C to the Chairman of Committee 4 (continued)	359

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1. Note from the Chairman of Working Group 4-C to the Chairman of Committee 4 (continued) (Document 359)

1.1 The Chairman recalled that his reply to requests for clarification, namely that there might be exceptional circumstances in which conversion of an allotment to an assignment, even an assignment in accordance with the Plan, might give rise to incompatibility due to operational circumstances. In no such cases, however, should implementation of the allotment be prevented. He stressed that the situation would arise only in certain unusual circumstances. He invited the Committee to resume its consideration of Document 359, beginning with Sections II and III of Article [L]. He reiterated his intention to create an ad hoc Group which would begin work that afternoon on the issues raised in regard to Document 359 and report to Committee 4 as quickly as possible.

1.2 The delegate of China said that the IFRB planning exercises reported in Document 183 and the discussions in Sub-Working Group 4-B-1 had shown how difficult it would be, if it were possible at all, to reconcile incompatibilities between Parts A and B of the Allotment Plan. That factor must be borne in mind in considering procedures for the conversion of allotments to assignments. With regard to the procedure for such conversion, referred to in Section I of Article [L], the measures specified in paragraph 7 in the case of an incompatibility would give rise to problems; in his Delegation's view, that paragraph conflicted with the text of Document DT/55(Rev.3), which had been discussed in Working Group 4-C. There was a problem of principle - whether to accord priority to protection of an allotment converted into an assignment or protection of other assignments. His Delegation could not accept the implications of paragraph 7 of Section I in that regard. Therefore, he suggested that the list of assignments referred to in 1bis under Article [J] should be divided into two parts, corresponding to Parts A and B of the Plan, for the purpose of considering two protection levels; the first part would contain assignments converted from allotments and the second part would cover the remainder. He agreed with the numerous previous speakers who felt that the procedures set out in Document DT/71(Rev.1) should be followed for assignments converted from allotments. As for the relationship between Parts A and B of the Plan, Document DT/55(Rev.3) should be taken as a basis.

1.3 The delegate of Tanzania said that Section I of Article [L] was drafted negatively, since the administration making an adjustment was deemed the allottee. There was also a serious contradiction between paragraphs 3 and 7 of that section; the procedure outlined seemed the more inappropriate since presumably the incompatibilities were to be resolved at the current Conference - otherwise it was doubtful whether allotment planning could be implemented at all. Paragraph 10 of that section should be deleted; there should be nothing which could prevent the conversion of an allotment into an assignment.

His Delegation had many reservations about Section II, especially the contradiction between paragraphs 12 and 13; the latter also failed to reflect the view, upheld during the discussions, that an allotment not used by a subregional system could be converted by an administration whenever it so wished. With regard to Section III, there had been no agreement about the number of assignments to be introduced through additional procedures. Perhaps it should be deleted, as proposed by the Delegation of Côte d'Ivoire, although it might be possible to amend the text in an acceptable fashion.

1.4 The delegate of Côte d'Ivoire said that, in view of the additional information and comments provided in respect of Section II of Article [L], his Delegation would refrain from speaking on that section for the time being. Section III, however, should be deleted; additional uses should be accommodated by means of improved procedures.

1.5 The delegate of Zimbabwe said the impression given by Article [L] was that allotment planning would depend on the assignments - in other words, existing systems - whereas he had thought that the reverse applied. In particular, paragraphs 8bis and 9 implied that the entire Plan would be dependent on assignments, contrary to what was surely the current Conference's aim of ensuring access through allotment.

1.6 The delegate of Canada said that there had been some debate about whether a conversion from an allotment which met the criteria established for developing the Plan could be so implemented as to protect other allotments and assignments. The criteria developed by Working Group 4-C ad hoc 4 could provide a basis for such protection but the signals used would have to be relatively flat. Studies by the JIWP and the CCIR had shown that many signals did meet the criteria; the IFRB should therefore carry out tests, and if the proposals in question fulfilled the requisite conditions, the procedure outlined in Document DT/71(Rev.1) could be followed. But one obvious instance where signals were not flat was in television transmission. Therefore, he suggested that Sub-Working Group 4-C-4 should be requested to seek means to allow direct implementation in such cases. Other solutions were, of course, possible, such as a requirement for agreement on carriers between countries concerned, or agreement by the current Conference on a set of suitably spaced frequencies; SCPC cases could likewise be accommodated if the frequencies in question were avoided. Another alternative would be for individual cases to be coordinated through the Board. Perhaps Working Group 4-C ad hoc 4 could address those possibilities also.

1.7 The Chairman said that Working Group 4-C ad hoc 4 would be asked to look into the matters, which were within its terms of reference. Due to lack of time, however, he would ask it to report direct to Committee 4 instead of to Working Group 4-C.

1.8 The delegate of Israel said his Administration felt that Article [L] was unclear in its structure and proposals, and would place an almost impossible burden on the IFRB and administrations. With regard to Article [J], the Chairman of Working Group 4-C was correct in saying that paragraph 7 was the most important part of the whole text; indeed, the Delegation of Israel had suggested informally that every paragraph in a redrafted Article [L] should be checked against that paragraph. The text of the latter should also be so expanded as to disavow clearly any implication that the conversion of allotments into assignments would be prevented. His Delegation reserved the right to speak later about other parts of Document 359.

1.9 The delegate of the United States said that, in his Delegation's view, Document 359 could still serve as a basis on which to develop the requisite procedures. It was important, of course, to define PDA clearly in order to allay the concerns expressed. The procedures must also take account of the fact that the parameters developed could not cover all combinations of modulations. He understood that Working Group 4-C ad hoc 4 was working on such matters; close liaison would be needed between that Group and the ad hoc Group which the Chairman proposed to establish, the aim being to avoid the need for subsequent coordination. His Delegation had further comments relating to Sections II and III of Article [L] but would make them in the ad hoc Group to be established. In order to deal with the various problems mentioned, it might be of assistance to have a list of assignments associated with the Plan; such a list might also be of help in recording and implementing subregional systems. With regard to paragraph 11 in Section I of Article [L], existing systems and their users did bear the onus of resolving any incompatibilities.

1.10 The delegate of France said that his Delegation supported the proposal made by the delegate of Canada for resolving incompatibilities which might still arise due to the type of modulation. There were other possible cases of slight non-conformity due to particular characteristics - cases which, pursuant to paragraph 6, would be treated as additional uses, whereas a basic allotment of the administration concerned was in question. Therefore, he formally proposed a redrafting so that such cases could be dealt with under a separate section instead of under additional uses. In that connection, he wondered why the texts drafted by Working Group 4-C ad hoc 2, contained in Document 312, had not been taken up.

1.11 The Chairman said that the French delegate had raised an important point which warranted consideration since modification of the Plan before an administration implemented its allotment would lead to a race after the Conference which would be to the detriment of some administrations.

1.12 The delegate of Nigeria proposed that in Article [L], paragraph 1, the words "three months" in square brackets should be changed to "one year" (in square brackets). He requested clarification of paragraph 7 b), wondering if it meant that an administration could select an orbital location for itself, and if so whether that be considered compatible with the Plan. He also requested a definition of the subregional system referred to in Section II, since the phrase appeared to mean different things to different people.

1.13 The Chairman said he understood that an administration had the right to propose the orbital location it deemed appropriate but that it would then be checked for compatibility with other allotments in the Plan and other assignments in the band. He invited delegations in addressing the meeting to state what they understood by a subregional system.

1.14 The delegate of Cuba said that he had difficulty with paragraphs 14, 15, 16, and 17 in Article [L], Section II since they appeared to provide protection for assignments already in service, but not for allotments. The protection of allotments should be closely linked to the concept of readjustment and of the use of the PDA, but it was difficult to develop such procedures without a clear definition of the PDA and of when it could be applied.

He also had many difficulties at that stage with Section III of Article [L] since the definition of additional uses introduced greater complexity in the Plan. He could therefore support the delegate of Côte d'Ivoire's proposal for the deletion of that section provided paragraphs 5 e) and 6 e) of Article [J] were also deleted.

1.15 The delegate of Morocco agreed with the administrations which had stated that Article [L] as drafted rendered the conversion of allotments into assignments difficult. There were also contradictions between Articles [J] and [L]. He supported the proposals made by the delegates of China, Jordan and France. The Chairman had given a satisfactory answer to the concern expressed by the Nigerian delegate regarding Section II but he would like the question of compatibility of subregional systems with all countries to be spelled out in the document. In respect of Section III, he would also like certain conditions to be imposed on the use of subregional systems.

1.16 The delegate of Mexico said that his Delegation shared the concern of those who considered that Section II provided insufficient protection for allotments. Commenting on Section III, he said that there had initially been some concern as to what was meant by "additional uses". It was now becoming apparent that the introduction of additional uses was causing a series of problems in converting allotments to assignments. He recalled that in the planning principles which had been adopted at the First Session of the

Conference it had been indicated that planning methods should consider the total orbital resources of the spectrum. It had been stated that once the requirements of national services had been satisfied a portion of the spectrum should be reserved to accommodate unforeseen uses and new Members of the Union. It had also been recognized that the frequency bands covered by the Allotment Plan could accommodate additional needs to the extent that those did not impose limits on the bringing into service of an allotment contained in the Plan. It now appeared that the so-called additional uses were imposing serious restrictions on the Allotment Plan. He therefore supported the proposal by the delegate of Côte d'Ivoire to delete Section III.

1.17 The delegate of Paraguay found solid arguments in favour of the proposal to delete Section III, which he supported. As the Mexican delegate had indicated, there had been problems with regard to additional uses from the very outset; unforeseen requirements had been taken into account and they could be catered for under Article K.

1.18 The delegate of Singapore, said that paragraph 3 b) of Section I of Article [L] should be clarified. While he understood the intention of paragraph 20 in Section II, he wondered what would happen to those who withdrew from a subregional system during its life but wished to have their own national system. It would not be fair to treat them as an additional user. In that connection, he supported the French proposal to introduce modified procedures to cover such cases, in line with that outlined in Document 239(Rev.2).

1.19 The Chairman said that paragraph 3 b) in Section I covered the case of assignments which were in the course of examination but did not yet appear in the List.

1.20 The delegate of Kenya, referring to paragraph 12 in Section II, said that there was already a text which described subregional systems adequately and he saw no point in diverging from it. Paragraph 13 should indicate that even though national allotments were suspended they should be protected during the period of suspension.

Section III was connected with paragraph 6 of Article [J]. He had problems with 6 a) and e) and felt that they should be reconsidered when the document was redrafted. Moreover, Section III referred to Article [M] and Article [M] referred to Article 13 which was currently under revision so paragraph 1 of Article [M]' should be in square brackets. So far as additional uses were concerned he drew attention to the Report of the First Session and specifically to Box No. 12 in the flow chart on page 73, from which it appeared that there would be problems in trying to accommodate additional uses in the List.

1.21 The delegate of India wished to stress a point which had been mentioned by the Canadian delegate. He understood that it should be possible for two assignments to be compatible if the two allotments were compatible, and after considering Document DT/74(Rev.1) his understanding was that the criteria being developed by Group 4 ad hoc 4 would be coherent with what was indicated in Document 71(Rev.). He therefore supported the idea of pseudo-micro segmentation for compatibility between extremely incompatible areas and supported the Canadian suggestion that the Committee should give guidance to Group 4 ad hoc 4 along those lines.

The concept of subregional systems was indicated in the Report of the First Session, paragraph 3.3.4.1 and any subregional systems conceived at the present session should be in line with that point.

1.22 The delegate of the Federal Republic of Germany said that paragraph 22 in Section III of Article [L] used virtually the same language as paragraph 3.3.4.8 of the Report of the First Session of the Conference, and meant that an additional use would not have any effect on any assignment or allocation in the Plan. There was therefore no need to delete Section III as had been proposed.

1.23 The delegate of Venezuela, referring to Section I of Article [L] said that one of the steps in the procedure it outlined was to compare an assignment with the list of assignments. He thought that the list of assignments should be sub-divided into: 1) assignments from Part A in conformity with the Plan and 2) assignments which were not included in that group, for example additional uses. He considered that if an assignment could be implemented, bearing in mind Article [J], paragraph 7, and if there were problems arising from assignments coming from Part A and in conformity with the Plan, both administrations must resolve them. But in cases where an assignment from Part A and in conformity with the Plan faced problems with an assignment not in Part A and not in conformity with the Plan, the latter assignment should take all steps to allow the allotment to be implemented.

He proposed that in paragraph 12 of Section II, the words "preferably from one of the national allotments concerned" should be deleted and that paragraph 13 should be modified because it did not allow for the possibility of administrations to utilize that part of the allotment not used by the subregional system of which they formed part.

1.24 The delegate of Indonesia said that in order to solve the problems of subregional systems which had been converted from allotments, the Committee should consider the Canadian proposal as supported by the delegate of India.

He drew attention to paragraphs 3.4.2.4.6 and 3.4.3.4.4 of the Report of the First Session concerning spectrum segmentation which should be taken into account by the ad hoc Group in order to help solve problems in the congested segment of the spectrum in Region 1. Further, in order to avoid additional systems becoming an obstacle for the conversion of allotments into assignments, the Committee might consider reducing protection to additional systems. A second alternative might be for the orbital positions of allotments not to be moved because of additional systems.

1.25 The delegate of Jordan said with regard to subregional systems that the idea that part of the national allotment could join a subregional system and therefore that the part joining shall be suspended, ought to be reflected in Article [L], Section II, paragraphs 13 and 20. He would submit the text of proposed amendments to those paragraphs to the Secretariat.

1.26 The delegate of the United States endorsed the comments by the delegate of the Federal Republic of Germany regarding Section III. The additional use allowed under that section was quite restrictive, fully protected allotments and was in complete conformity with paragraph 3.3.4.8 of the Report of the First Session. Some administrations wished to keep open the option of introducing subregional systems through the additional use procedures. His Administration considered that, although restrictive, the additional use provision should be available for use where applicable and he therefore supported the retention of Section III.

1.27 The delegate of Ethiopia said that the main purpose of the First and Second Sessions of the Conference was embodied in Section I of Article [L], and in the outcome of the work of Working Group 4-B-1 - the Allotment Plan. If Section I did not incorporate the idea of the conversion of an allotment to an assignment without coordination and if it did not provide a procedure for

solving incompatibilities between Part A and Part B and bringing into use the affected allotment, then the Conference would not have fulfilled its purpose. Section I should be redrafted bearing that in mind. With regard to Section II, he saw the use of subregional systems as a stepping-stone to the exploitation of national allotments, and procedures to that effect should be reflected in Section II by taking into account the comments made by the representative of the IFRB at the preceding meeting. So far as Section III was concerned, it was difficult for his Administration to envisage the possibility of bringing into use additional national or multi-national systems and he therefore believed that that section should be deleted.

1.28 The delegate of Ecuador endorsed the view that since the Conference was dealing with an allotment plan, allotments should be completely protected at all times. In his view, Document 359 did not reflect a number of planning principles adopted by the First Session of the Conference, in particular that in paragraph 3.3.4.9 dealing with existing systems. That concept had been fully discussed and was reflected in Document DT/55, paragraph 105, which should be reviewed and incorporated in the new document. Also, Articles [J] and [L] did not reflect paragraph 3.3.4.8 of the Report of the First Session since, as Document 359 was now drafted, additional uses would impose a number of limitations. He therefore supported the view that additional uses should be limited and that the only additional uses permitted should be those of systems common to several administrations.

1.29 The delegate of New Zealand said it was essential for the Conference to provide protection for the assignments on the List since failure to do so would lead to many systems, representing a large investment by numerous countries, being unable to perform the tasks expected of them, which would be a grave disservice to the interests of the Union. Guarantee of access, while not expressed explicitly in any particular paragraph, was implicit in the structure and layout of the whole package of procedures associated with the Plan and was more especially embodied in the stringent restrictions placed on additional uses. As for subregional systems, they should be considered a special case of conversion of an allotment to an assignment: Jordan's proposal to permit partial suspension of allotments was endorsed. Section III was an integral part of the procedures provided in Article [L] and it would be unwise to remove it at present.

1.30 The delegate of Morocco said that the ad hoc Group should note that paragraph 3.3.4.1 of the Report of the First Session provided a text that could be of use in defining subregional systems.

1.31 The delegate of China considered that Document 359 was not a wholly accurate reflection of the concept and principles set out in the Report to the Second Session, or of the ideas that had been under discussion in the Committee and Working Group. The ad hoc Group should therefore prepare another draft taking as its sources other documents in addition to Document 359.

1.32 The delegate of France said that the Report of the First Session should be taken into consideration to the greatest extent possible in working on Document 359; he drew attention in particular to paragraph 3.3.4.7, which stipulated that the procedures associated with the Plan should include procedures for modification of allotments. That was the context of his previous proposal to amend paragraph 6 of Article [L] in Document 359, an amendment even more necessary if recourse to additional uses were removed by deletion of Section III. However, taking into account paragraph 3.3.4.8 of the Report of the First Session, some provision for additional uses was in his view most necessary. The delegate of Kenya's request for a review of cases suitable for that approach (see paragraph 6 of Section [J], Document 359) in order to make the provisions more restrictive, was endorsed. The present text should also be

amended to make the need to protect the Plan quite clear. It should further be made clear that such additional requirements and uses would be valid for a limited period only and not for the lifetime of the Plan.

1.33 The Vice-Chairman of the Committee, noting that the discussion had clarified the intent of Section I, said that the ad hoc Group should, when considering the procedures relating to the conversion of allotments to assignments, provide for a distinction between cases where assignments were compatible with the Plan but for technical reasons were difficult to implement and cases of straightforward incompatibility with the Plan. In Section II, paragraph 13 should be redrafted to make clear that when countries with national allotments decided to establish a subregional system, all their allotments would obligatorily be suspended. The main difficulties with paragraph 14, with regard to the comparability of allotments and assignments, had been cleared in discussion but the text should be redrafted with an additional subparagraph c) drawing attention to the need to take account of the nominal orbital position of the allotment concerned.

In his view, Section III should not be deleted because it provided an additional option for satisfying subregional requirements without affecting national allotments and also provided alternative access to a national allotment in cases where a country sharing a subregional requirement decided to withdraw from that system. In the context of the restructuring of Section III, a clear definition of subregional requirements was required; such a definition appeared in the Report of the First Session as mentioned by the delegate of Morocco.

1.34 The delegate of Kenya said that the ad hoc Group might consider adding to the procedures a paragraph to cover the case of harmful interference caused to allotments when satellites were being put into or removed from orbit.

1.35 The delegate of Israel suggested that, provided the Board was in agreement, the ad hoc Group should look into the possibility of reducing the workload placed on the IFRB by Article [C].

1.36 The delegate of Japan said it was important for the ad hoc Group to reconfirm that subregional systems were to be introduced by means of procedures; in that context the provisions of paragraph 8bis, Section I, should also appear in Section III.

1.37 The delegate of the United Kingdom said he strongly opposed the proposals regarding the removal of Section III, the relegation of subregional systems to the status of additional uses at the expense of surrendering national allotments, and, a view endorsed by the delegate of Spain, the micro segmentation of planned bands, which would mean placing undue restrictions on the long-term use of national allotments.

1.38 The delegate of Spain also supported a view expressed earlier by the delegate of Venezuela to the effect that the ad hoc Group should consider giving the Board much more specific instructions on compatibility than appeared in Document 359.

1.39 The Chairman reviewed the various points raised in the discussion and said they would be taken up by the ad hoc Group in its consideration of Document 359 and other relevant documents. As a result of his discussion of the composition of the ad hoc Group with the Chairman of the Conference, he proposed that, in the absence of other candidates, he himself should chair the Group, which would be made up of the delegates of Algeria, the Federal Republic of Germany, China, Colombia, Côte d'Ivoire, the United States, France, Hungary, India, Indonesia, Japan, Jordan, Kenya, Mexico, Norway, the United Kingdom, Senegal, Tanzania, Czechoslovakia, the USSR and Uruguay and the Chairman of Working Group 4-C.

It was so agreed.

The meeting rose at 1200 hrs.

The Secretary: The Chairman:

F.S. LEITE S. PINHEIRO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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Original: English

COMMITTEE 5

SUMMARY RECORD

OF THE

TENTH MEETING OF COMMITTEE 5

(BROADCASTING SATELLITE SERVICE (BSS)
MATTERS AND ASSOCIATED PROCEDURES)

Wednesday, 28 September 1988, at 0900 hrs

Chairman: Mr. D. SAUVET-GOICHON (France)

Subjects discussed:		Documents
1.	Fifth Report of Working Group 5-B (Draft Appendix 30A - Introduction)	368
2.	Experimental sound broadcasting-satellite	-
3.	Interim systems for Regions 1 and 3	369
4.	Modified text for paragraph 4.2b) of Resolution [42(MOD)]	334 (Attach.1), DT/89
5.	Draft Resolutions [COM5/6] and [COM5/7]	373
6.	Action on various Resolutions and Recommendations	334 (Attach.2)

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Fifth Report of Working Group 5-B (Draft Appendix 30A - Introduction (Document 368)

1.1 The Chairman said that it was his intention to limit the Committee's treatment of Document 368 at the present stage to an introduction of the draft for Appendix 30A, it being understood that the substance would be considered in detail at a later stage of the Committee's work.

1.2 The Chairman of Working Group 5-B informed the Committee that during discussion of Document 368 in Working Group 5-B the delegate of the United Kingdom had made the following statement:

> "The United Kingdom, during the meeting of the Working Group, wished it to be drawn to the notice of Committee 5 that, in its opinion, the Plan for feeder-links in Regions 1 and 3 in the band 17.7 - 18.1 GHz did not undermine in any way the status of stations in the fixed service, mobile service and fixed-satellite service (space-to-Earth), many of which were already ratified and recorded in the Master Register".

1.3 The Chairman of Sub-Working Group 5-B-1, introducing Document 368, explained that the document incorporated decisions already taken in Committee 5 and in Working Group 5-B, as well as attempting to resolve issues brought up in other documents in order to provide a complete text of Appendix 30A (excluding Annex 3) for consideration by the Committee. He drew attention to the following points:

- the title of Article 3 had been changed to make it more appropriate;
- in Article 5, the term "Coordination" had been added to the title of section 5.1 in order to indicate that coordination was to be completed before notification;
- reference had been made, in section 5.1.1bis, to "columns 8 plus 9", indicating that the two respective dB numbers were to be added for full power;
- new paragraph 5.1.1ter (which should have been presented in square brackets) had been included to address the concern, raised by the delegate of the United Kingdom, for equity with existing services;
- a new e) had been added to 5.2.1, indicating the sections to be applied;
- the phrase in square brackets in section 5.2.8 should be deleted.

The only point of disagreement in the Sub-Working Group had been section 5.1.1ter.

In Article 6, a new section 6.6 had been added referring to Article 12, in which there was a reference to Appendix 30A. In Article 7, a new section 7.7 had been added referring to Article 13. Column headings of the Plan were given in Article 9, differing somewhat from those given in Document 342. Reference had been made to columns 8 and 9 in footnote 2 to Annex 1 and, in Part 5 of Annex 1, a new text had been added that was consistent with Annex 4, the text of which had been drawn up by an ad hoc Group.

1.4 The delegate of the United Kingdom pointed out that, in Part 5 of Annex 1, the term $(\Delta T/T)'$ should be replaced by $\Delta T/T$.

1.5 The delegate of Italy said that, while recognizing the need for equity between services, the right of other services should not be preserved at the expense of equity between administrations. Section 5.1.1ter was unacceptable to his Administration as it privileged some administrations and discriminated against others.

1.6 The Chairman of Sub-Working Group 5-B-1 said that a balance had to be struck between the rights of administrations and the rights of existing services. Speaking as the delegate of the United States, he said that his Administration supported the text of section 5.1.1ter which provided a mechanism for coordination and, by implication, both parties to the coordination process would be satisfied. It would be improper for the Conference to disregard existing services. He suggested that the process might also be made applicable in Region 2. The date for the recording of existing services in Region 2 could be set just prior to the planning of feeder links.

1.7 The delegate of the United Kingdom drew the attention of the Committee to recognizing in Resolution 953, as reproduced in the Annex to Document 1, and stressed that in any planning exercise the rights of other services had to be taken into account.

At the Chairman's suggestion, it was agreed to set up an ad hoc Group, composed of the delegates of Italy, Japan, the USSR, the United Kingdom and the United States under the chairmanship of Mr. Dosch, to deal with section 5.1.1ter.

1.8 The delegate of Canada, supported by the delegate of Brazil, said that any changes made should not affect Region 2 unless they were consequential to the incorporation of the Region 1 and 3 Plan.

2. Experimental sound broadcasting - satellite

2.1 The Chairman of the ad hoc Group said that the Group had been unable to reach consensus on any single approach but had elaborated four different approaches that were not necessarily exclusive. Those approaches were: a) a footnote to Article 8 identifying specific bands (1 517 - 1 521 MHz and 2 500 - 2 690 MHz) for use in satellite sound broadcasting experiments, where use would be subject to Article 14 procedures and would not cause any harmful interference (secondary status); b) a proposal by India addressing the 1 517 - 1 521 MHz band, subject to Article 14 procedures and achieving primary status for India; c) a footnote relating to Article 8 applying to the 500 - 3 000 MHz band to allow for the application of Article 14 procedures for experiments conducted so as not to cause interference, and to invoke the provisions of a Resolution; and d) a Resolution establishing a mechanism whereby administrations could exchange information so that the administration planning an experiment could obtain information on existing services that had to be protected during the course of the experiment in order to reduce harmful interference. Neither c) nor d) attempted to give experiments any status; if complaints were made about harmful interference, steps would have to be taken to eliminate it. In Approach d), there would be no Finding by the IFRB and, although the information would be recorded in the Master Register, there would be no date in column 2 and the use of the frequency would not prejudice the decisions of a future allocations conference.

2.2 The delegate of India said that Approach c) was not acceptable to his Administration as it would have repercussions on existing services.

2.3 The delegate of the United Kingdom pointed out that Approach b) concerned an additional allocation for India but did not involve a general footnote. He suggested another approach in the form of a short Resolution simply encouraging administrations to carry out experiments in accordance with the provisions of the Radio Regulations.

2.4 In reply to a question by the delegate of the United Kingdom, Mr. Brooks (IFRB) said that where a service had no status, data was recorded for information purposes only and the Board did not consider that assignment in the application of the procedures of the Radio Regulations. In response to a request for clarification by the delegate of Argentina, who spoke in favour of an approach based on a Resolution, he explained that the status of an assignment derived from Article 8, either from the Table of Frequency Allocations or from a footnote. Primary and secondary status could either be unconditional or conditional on the application of Article 14. A lower status also existed where an allocation was permitted by Article 14, subject to not causing any harmful interference to any service or stations that were either planned or in operation, in accordance with the Table of Frequency Allocations. Article 14 was only applicable where there was a footnote in Article 8 to that effect. Examinations were made with respect to conformity with the Table of Frequency Allocations, not with respect to any coordination or agreement process. Articles 11 and 13 were not applicable to the broadcasting-satellite service. Appendix 30 applied to planned bands for the broadcasting-satellite service. Resolution 13 applied to bands that were allocated but not planned. Articles 12 and 13 included provisions allowing administrations to notify the Board of assignments that were not in conformity with the Table of Frequency Allocations but did comply with RR 342. It had been decided, however, not to include in Resolution 33 any provision relating to the recording of broadcasting satellite stations operating in accordance with RR 342.

2.5 The Chairman said that he would join the ad hoc Group in further deliberation of the subject.

3. Interim systems for Regions 1 and 3 (Document 369)

3.1 The Chairman of Working Group 5-B introduced Document 369 comprising of draft Resolution [COM5/5] which invited the Administrative Council to place the possible extension to Regions 1 and 3 of provisions for interim systems on the agenda of a future conference. Meanwhile, administrations wishing to bring into use interim systems could do so under existing provisions.

resolves 1

3.2 The delegate of the United Kingdom proposed an amendment to read: "... should consider the possible applications of regulatory provisions ...".

It was so agreed.

resolves 2a)

3.3 On the suggestion of the delegate of the United Kingdom, the reference to "considering d)" was replaced by "resolves 1".

3.4 Following a query raised by the delegate of Bulgaria, Mr. Brooks (IFRB) suggested an amendment to the second half of resolves 2a), as follows:

> "...referred to in resolves 1, shall apply the provisions of Article 4 of Appendix 30 or Article 4 of Appendix 30A as appropriate, using if necessary the provisions of 4.3.15 of Appendix 30 or 4.2.13 of Appendix 30A".

He explained that the reference to the two provisions relating to agreements obtained for specific periods of time was based on the assumption that, in the context of resolves 2a), "interim systems" had a different meaning from that contained in the Plan. The suggested amendment provided for time-limited modification.

3.5 Support for the amendment was expressed by the delegates of Italy and Bulgaria, on the grounds that it clarified the text without altering the general concept.

3.6 Strong concern was expressed by the delegates of the United States and the United Kingdom over various aspects of the suggested amendments. The delegate of the United States felt that the original "may" was more appropriate than "shall" because the draft Resolution referred to interim systems generally, not to specific ones, since the forms of interim systems for Regions 1 and 3 were not yet known. Either Article 5.2.1c could be applied, in which case an interim system could be notified and recorded like any other system, or alternatively 5.2.2.1, which provided for certain exceptions, thus providing conformity with the Plan. He added that under 2b) the application of Article 5 was mandatory in modifying the Plan.

3.7 The delegate of the United Kingdom sought assurances that the Committee was not trying to circumvent existing provisions of notification under Article 5.2.1a, b or c. Mr. Brooks (IFRB) assured him that the IFRB would send back to administrations applications that did not correspond with either the Plan or the exceptions in 5.2.1c. He added that the amendment was nonetheless necessary, because as it stood the draft Resolution gave no status to interim systems in Regions 1 and 3.

3.8 The delegate of the United States said he could accept the amended paragraph 2a) on the understanding that the IFRB would not undertake new interpretations of Article 4.3.15, which had been intended for different circumstances. Mr. Brooks (IFRB) said that a possible consequence of any such recommendations by the Conference was that upon expiry of the process of time-limited modification administrations might not be able to return to their original entry in the Plan owing to subsequent modifications.

3.9 The delegate of Japan said that he was concerned at the lack of any definition of interim systems in Appendix 30 and 30A. He therefore proposed adding a definition, such as "time-limited modified systems", to resolves 2a).

3.10 Mr. Brooks (IFRB) considered that the reference to Resolution 42 in considering a) should be adequate to meet that objection.

3.11 Following further contributions from the delegate of Japan, the delegate of Italy expressed his reluctance to alter the text. The delegate of the USSR concurred, saying that the USSR understood interim systems to be as set out in Resolution 42. Considering a) covered the problem adequately.

3.12 In response to the delegate of Japan's continuing concern, the Chairman suggested that it be noted in the summary record that the definition of interim systems for Regions 1 and 3 was the same as for Region 2, as referred to in Resolution 42, considering a).

3.13 That suggestion was endorsed by the delegate of the United States. The delegate of the United Kingdom considered that it prejudged any decision by a future Conference on how interim systems might be formulated in Region 1.

After further discussion, the amendment put forward by Mr. Brooks to the second half of resolves 2a) was approved.

Draft Resolution [COM5/5] was approved as amended.

4. Modified text for paragraph 4.2b) of Resolution [42(MOD)] (Documents 334 (Attachment 1) and DT/89)

4.1 Mr. Brooks (IFRB), referring to the modified draft contained in Document DT/89, intended to replace paragraph 4.2b) of Attachment 1 to Document 334 (Resolution [42(MOD)], said that the text had been based on the same criteria as those used for Article 4. He suggested that, for the sake of clarity, the words "(Earth-to-space)" should be added after "fixed-satellite service" in the second line.

4.2 The delegate of Canada pointed out that in modified paragraph 4.2b), "in" should be replaced by "by" before "the Board" in the English version and "Section V" by "section 5".

4.3 The delegate of the USSR suggested that the reference to Appendix 30A in the penultimate line would be more specific if it read "Appendix 30A Annex 1".

4.4 The delegate of the United Kingdom suggested that the words "limits of" in the penultimate line of modified paragraph 4.2b) should be replaced by "threshold values in". In that connection the Chairman of Sub-Working Group 5-B-1 pointed out that the word "title" was used in the title of section 5; in the light of that comment, the delegate of the United Kingdom said that he would not insist on that point.

4.5 In reply to a question by the delegate of the United States concerning reference to specific paragraphs of Article 4, Mr. Brooks (IFRB) pointed out that the new text of paragraph 4.2.2.4 had been taken as the basis of the modified draft text. In the case in question, it was a matter not only of modifications that had been completely processed but also of those where processing had just been started. Article 4 as a whole referred to different types of publishing and therefore a general reference to the provisions of the Article could lead to uncertainty. The delegate of the United States requested confirmation that circumstances were such as to warrant reference to specific paragraphs of Article 4 in paragraph 4.2.4b) but not elsewhere in the draft Resolution. Mr. Brooks (IFRB) said that he would see no objection to making reference only to Article 4 as long as it was clearly indicated, in the summary record of the meeting that it included cases where processing had been completed as well as where processing had been started. The Chairman suggested that, in the absence of any major objection, that part of the text should remain as it stood.

It was so agreed.

The modified draft text of paragraph 4.2.4b) of Resolution 42(MOD), contained in Document DT/89, as amended, was approved.

5. Draft Resolution [COM5/6] and [COM5/7] (Document 373)

5.1 The Chairman of Working Group 5-B introduced the draft Resolutions which, following the intention to delete Resolutions 40 and 41, would seem to be appropriate in order to ensure that the recording of feeder-link plans could be properly carried out and that the Plan could be applied provisionally for Regions 1 and 3 before the Final Acts entered into force.

Draft Resolution [COM5/6]

Approved.

Draft Resolution [COM5/7]

5.2 Mr. Brooks (IFRB) suggested that it might be appropriate to specify that the Resolution concerned only those provisions relating to Appendix 30 or 30A.

5.3 The delegate of the United Kingdom, referring to resolves 1), suggested that the Committee might express its views concerning the date of entry into force of the partial revision of the Radio Regulations.

5.4 The Chairman noted that there was general approval of draft Resolution [COM5/7] and suggested that the two points raised, of which the latter would also have to be discussed with the Chairman of Committee 6, should be discussed at the next meeting of Committee 5.

6. Action on various Resolutions and Recommendations (Document 334) (Attachment 2)

Resolutions 40 and 41

6.1 The Chairman said that the deletion of Resolutions 40 and 41 could be confirmed as a consequence of the decision on the previous item.

It was so agreed.

Resolution 101

6.2 Mr. Brooks (IFRB) pointed out that careful consideration should be given to the question of deleting the reference to Resolution 101 in Article 27 of the Radio Regulations, in view of the fact that there might be consequential effects on the footnote referred to in the document which would make the limits specified therein permanent and no longer provisional.

6.3 The delegate of Canada said that, although his Delegation has proposed deletion, it wished to reconsider the matter in the light of those comments.

6.4 The Chairman suggested that consideration of the matter should be deferred.

It was so agreed.

The meeting rose at 1200 hours.

The Secretary: The Chairman:

G. MESIAS D. SAUVET-GOICHON

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 388-E
4 October 1988
Original: English

COMMITTEE 5

SUMMARY RECORD

OF THE

ELEVENTH MEETING OF COMMITTEE 5

(BROADCASTING-SATELLITE SERVICE (BSS)
MATTERS AND ASSOCIATED PROCEDURES)

Wednesday, 28 September 1988, at 1735 hrs

Chairman: Mr. D. SAUVET-GOICHON (France)

Subjects discussed:	Documents
1. Draft Resolution relating to the provisional application of the partial revision of the Radio Regulations as contained in the Final Acts of the WARC ORB-88 prior to its entry into force	373
2. Appendix 30	374
3. Appendix 30A	368
4. Analysis of interference between the feeder-link Plans of Regions 1 and 2	379

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

1. Draft Resolution relating to the provisional application of the partial revision of the Radio Regulations as contained in the Final Acts of the WARC ORB-88 prior to its entry into force (Document 373) (continued)

1.1 Mr. Brooks (IFRB) proposed that the words "included in Appendices 30 and 30A" should be inserted after "Radio Regulations" in resolves 1 and that the words "referred to in resolves 1" should be inserted after "Radio Regulations" in resolves 2, in order to restrict the application of the Resolution into the decision of Committee 5.

1.2 The delegate of Argentina observed that the reference to Appendix 30 was unnecessary, since no substantive changes were proposed to that text. Mr. Brooks agreed that the reference to Appendix 30 could be deleted.

The draft Resolution was approved, as amended.

2. Appendix 30 (Document 374)

2.1 The Chairman of Working Group 5-B introduced the document, which contained corrections of four minor errors found in Appendix 30; the errata would be submitted to the Plenary for insertion in the Final Acts of the Conference.

2.2 The delegate of Canada pointed out that the Committee had approved a footnote to section 1.11 of Annex 3 to Appendix 30A concerning the overall equivalent protection margin. He suggested that a cross reference to that footnote should be inserted in Appendix 30 and be submitted to the Plenary with the errata in the document.

Document 374 was approved with that addition.

3. Appendix 30A (Document 368)

Title and footnote

3.1 The delegate of Turkey said that it had been decided in Committee 6 to delete the words "and for Malta" in square brackets after the words "for countries outside Europe".

Article 1

Approved.

Article 2

3.2 The delegate of Yugoslavia said that the upper band limit in the third line of section 2.1 should be changed to 18.1 GHz.

Approved as amended.

Article 3

Approved.

Article 4

3.3 In response to comments by the delegate of Canada concerning the insertion of consequential amendments and the numbering of sections, the Chairman said that the Secretariat would as usual check all the references after the Conference. Mr. Brooks (IFRB) said that the Board had repeatedly referred to the difficulties caused by decimal numbering and had suggested that the consecutive numbering used in the Radio Regulations was more practical.

Section 4.2.1bis and footnote

3.4 The Chairman said that the section should be marked "ADD" instead of "MOD".

3.5 In reply to questions by the delegate of Canada, the Chairman of Sub-Working Group 5-B-1 said that a reference to column 9 had been added to enable administrations to put a station into use with the specified power without calling for any modification of the Plan, subject to coordination under Article 5 of the Appendix. A distinction should be made between the amount of feeder-link power control that could be used at specific points and the value in the Plan; Article 5 provided that if an administration wished to use at a specific point a power control value in excess of that given in column 9, coordination would be required. Mr. Brooks (IFRB) added that section 5.1.0 of Article 5 provided means whereby an administration could determine whether it could use at a specific location a higher power control value than that shown in column 9 of the Plan, whereas under section 5.1.1bis it could place an earth station at any point in its service area and proceed with notification without coordination if the total power did not exceed the sum of the values in columns 8 and 9. On the other hand, if as a result of the application of section 5.1.0 the administration found that it could use a higher value at some other location and wished to use that value, under 5.1.1bis it had to engage in the coordination process with any of its neighbours which were affected by a power increase in excess of the sum of the values appearing in columns 8 and 9.

Sections 4.2.1.1 to 4.2.1.4

3.6 In response to a comment by the delegate of Japan, Mr. Brooks (IFRB) said that the word "or" should be added at the end of sections 4.2.1.2 and 4.2.1.3 and deleted at the end of section 4.2.1.4. The same amendment applied to sections 4.2.2.1 to 4.2.2.4.

Section 4.4.1

3.7 Mr. Brooks (IFRB) said that the words "of the margin reports" should be inserted after "Each master copy" at the beginning of the second sentence, and that the last sentence should be deleted.

Article 4 was approved with the above amendments.

Article 5

Sections 5.1.0 and 5.1.1bis

3.8 The Chairman said that the square brackets could be removed.

Section 5.1.1ter

3.9 The Chairman of Working Group 5-B said that the ad hoc Group which had studied the problem of coordination with existing services had reached a solution entailing no change in section 5.1.1ter, the addition of a section 5.1.1quarto, modification to section 5.2.1 e) and the adoption of a draft Resolution. The texts would be available the following morning[1]. The Chairman said section 5.1.1ter should be placed in square brackets pending the issue of the document in question.

Section 5.2.1

3.10 Mr. Brooks (IFRB) said that the third line, sub-paragraph a) should be amended to read "to b), c), d) and e) below" and that the words "paragraph 3.13 of" should be inserted before "Annex 3" in the fifth indent of sub-paragraph c).

3.11 The delegate of Japan said that the second line of the sixth indent of c) should be changed to "for the 17.3 - 18.1 GHz band and 6 metres for the 14.5 - 14.8 GHz band".

Sections 5.2.2.2 and 5.2.2.2bis

3.12 The Chairman said that the term "MOD" should appear against section 5.2.2.2 and the term "ADD" against section 5.2.2.2bis.

Section 5.2.2.2quarto

3.13 The Chairman of Sub-Working Group 5-B-1 said that the last word of the provision should be "effected", not "affected".

Section 5.2.8

3.14 The Chairman said that the words in square brackets should be deleted.

Article 5 was approved as amended.

Article 6

3.15 In response to a question by the delegate of Japan, Mr. Brooks (IFRB) pointed out that the text of 6.5 was clear if read in conjunction with paragraph 6.1, to which it referred.

3.16 The delegate of Mexico suggested that the Spanish text of paragraph 6.6 should begin "Si como resultado ...".

Article 7

3.17 The Chairman of Working Group 5-B pointed out that the beginning of paragraph 7.7 should read "If as a result". The delegate of Mexico noted that the beginning of the Spanish text of that paragraph should be in line with paragraph 6.6.

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1 Subsequently issued as Document DT/91 section 5.2.1.

Article 9

3.18 Mr. Brooks (IFRB) suggested that "and will be published when the Plan is republished in accordance with 4.4.2 of the Appendix" should be added at the end of footnote 2.

In reply to a question from the delegate of Italy, he said that, while in Appendix 30A, Article 9, it was stated that column 9 gave the location of earth station positions, in the Plan itself the earth stations were not included and remarks were entered in column 9. The purpose of that was to make it clear that there was no intention to publish a list of earth stations in the Radio Regulations.

3.19 The Chairman noted that the reference in footnote 1 should be to paragraph 4.8.

Article 9 was approved, as amended.

Articles 10 and 11

Approved.

Annex 1

3.20 In reply to a question by the delegate of Canada with reference to footnote 1 relating to paragraph 3 of the Annex, Mr. Brooks (IFRB) said that as section 3 was limited in application to Region 2, it was clear which part of section 1.11 was relevant.

3.21 The Chairman noted that in paragraph 5 the brackets should be removed from "Δ T/T".

Annex 1, as amended, with the removal of the square brackets from the relevant footnotes 1, 3 and 4, was approved.

Annex 2

3.22 Mr. Brooks (IFRB) suggested that "or channel number" should be deleted in 1.2, that "associated" should be inserted before "space station" in 2.4 and that "for each test point" should be added at the end of 2.5. He further suggested that the first indent of 2.6 a) should read "total transmit power (d)BW) in the assigned frequency band supplied". He would prepare in writing a proposal for the following indents to be considered at a later meeting.

3.23 The delegate of the United Kingdom suggested that "parts" be replaced by "sections" in 2.6 b) and c).

3.24 Following confirmation by Mr. Brooks (IFRB) that information provided under 2.6 b), first indent, could not be used by the IFRB, the delegate of the United Kingdom, supported by the delegate of the USSR, suggested that the text might be deleted. Mr. Brooks (IFRB) then suggested that the whole of 2.6 b) might be deleted. The delegate of Japan suggested that 2.6 c) also could be taken out. The delegate of New Zealand pointed out that the text of 2.6 b) represented an existing provision in the Region 2 Plan and the delegate of Canada, referring to sections 3.10 and 4.10 of Annex 3, observed that the information might be useful in future and should be retained.

3.25 The Chairman suggested that the first indent of 2.6 b) and the whole of 2.6 c) should be deleted.

It was so agreed.

3.26 Mr. Brooks (IFRB), suggested that the title of 2.7 should be: "Earth station transmitting antenna characteristics".

3.27 The delegate of Egypt, suggested that the title of 3.4 should be "Space station receiving antenna characteristics".

3.28 In response to a suggestion by Mr. Brooks (IFRB) to delete "or table" in the second indent of 3.4 h), the delegate of Italy said that in view of the difficulties that could at times arise in making an equation, he would prefer the text to remain as it was.

3.29 The delegate of the United Kingdom, referring to the final footnote, suggested that reference be made to Part 4.9 as well as 3.9 of Annex 3 in order to cover all regions. He also drew attention to the need for an editorial modification to the numbering of the footnotes.

Annex 2, as amended, was approved with the exception of 2.6 a).

Annex 4

3.30 The delegate of the United Kingdom suggested that in the English text the word "may" should be replaced by "might" in three places in section 3.1: the last line of the first paragraph, the second line of the second paragraph and the first line of the third paragraph.

3.31 Mr. Brooks (IFRB) suggested deletion of "to be assumed" in 3.8.

Annex 4 was approved, as amended.

4. Analysis of interference between the feeder-link Plans of Regions 1 and 2 (Document 379)

4.1 In reply to a question by the delegate of Spain concerning Note 3 in Appendix 30A, section 9.2 (to which attention was drawn in Document 379) Mr. Brooks (IFRB) said that it might be possible to modify the text slightly to indicate that the assignment in question would be implemented only with the agreement of the administrations affected.

4.2 The Chairman suggested that the two Delegations concerned, Spain and the United Kingdom, prepare a joint proposal in that connection.

It was so agreed.

The meeting rose at 2000 hours.

The Secretary: The Chairman:

G. MESIAS D. SAUVET-GOICHON

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 389-E
28 September 1988
Original: English

Source: Documents 369, 373, DT/89

COMMITTEE 7

FIFTH SERIES OF TEXTS FROM COMMITTEE 5 TO THE EDITORIAL COMMITTEE

The texts of Documents 369 and DT/89 were adopted as amended while the text appearing on page 2 of Document 373 (Resolution COM5/6) was adopted without change at the tenth meeting of Committee 5 of 28 September 1988 a.m.

D. SAUVET-GOICHON
Chairman of Committee 5

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 390-E
28 September 1988
Original: English

SOURCE: Document DL/61

COMMITTEE 6

FOURTH AND FINAL REPORT OF WORKING GROUP 6-A

Working Group 6-A held nine meetings to discuss the improved procedures. It has agreed on the MPM as detailed in the annexes. Annex 1 shows changes to the new Article 11 and Annex 2 is a new Resolution.

G.H. RAILTON
Chairman of Working Group 6-A

Annexes: 2

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ANNEX 1

MOD 1051

a) the administration responsible for the planned network shall first explore all possible means of meeting its requirements, taking into account the characteristics of the geostationary-satellite networks of other systems, and without considering the possibility of adjustment to networks of other administrations. If no such means can be found, the administration concerned may then request other administrations, either bilaterally or multilaterally, [or in exceptional circumstances through the convening of multilateral meetings similar to that provided for in N 1085C,] to mutually help resolve these difficulties.

ADD 1085C

In exceptional cases the multilateral coordination among the administrations concerned of networks in the FSS operating in the frequency bands, as listed below, may take the form of Multilateral Planning Meeting (MPM) as provided for in resolves 1 to 7 of Resolution [COM6/3].

3 700 - 4 200 MHz
5 850 - 6 425 MHz
10.95 - 11.20 GHz
11.45 - 11.70 GHz
11.70 - 12.20 GHz in Region 2[1]
12.50 - 12.75 GHz in Region 1 and Region 3[1][2]
14.00 - 14.50 GHz

Towards this end, the administration seeking coordination may initiate action to convene an MPM to resolve mutually the difficulties and effect the coordination of the satellite network.

ADD 1087B

(a) When the coordination process takes the form of MPM, see Resolution COM6/3, the administration which sought the coordination of its satellite network shall communicate to the Board, the names of administrations with which coordination has been completed and an agreement reached, as well as the names of administrations with which coordination has not been completed.

---

[1] In these bands the improved procedures shall apply between networks of the fixed-satellite service only.

[and including the FSS in the band referred to in Footnote 845 for Region 3].

[2 Where an FSS network operates in the band 12.5 - 12.75 GHz as well as under RR 845 in the band 12.2 - 12.5 GHz, the improved procedures shall apply for coordination of the network.]

b) each administration participating in an MPM shall communicate to the Board any changes agreed upon in the published characteristics of frequency assignments of its satellite networks considered by the MPM.

The Board shall publish the information communicated as above by the special section of its weekly circular.

ADD 1189 § 32. If requested by an administration participating in an MPM, the Board, using such means at its disposal as are appropriate in the circumstances, shall render technical assistance for the completion of the procedures of Section II of this Article. In making such a request this administration of the MPM shall furnish the Board with all necessary information.

ANNEX 2

RESOLUTION [COM6/3]

Relating to Improved Procedures for Certain Bands of the Fixed-Satellite Service

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the process of coordination of space services was initially laid down by EARC-63, improved by WARC-71 and further expanded by WARC-79;

b) that Resolution 2 of WARC-79 reiterated the equitable use by all countries with equal rights of the GSO and of the frequency bands allocated to space services, first embodied in Resolution Spa2-1 of WARC-71;

c) that Resolution 3 of WARC-79 resolved on the need to guarantee in practice for all countries equitable access to GSO and the frequency bands allocated to space services and for this purpose decided on convening the World Administrative Radio Conference to be held in two sessions;

d) that the First Session of the Conference (ORB-85) agreed on the need for improved regulatory procedures as one of the methods for the planning of FSS and stipulated certain guidelines for this purpose;

noting

that Article 11 of the Radio Regulations has elements of bilateral and multilateral consultations for coordinating the space systems and networks, which administrations plan to bring into use;

noting further

that the concept of Multilateral Planning Meetings (MPMs) is a part of a mechanism to provide equitable access to the limited resources of the GSO and the radio-frequency spectrum;

recognizing

1. that the coordination of each satellite network presents unique circumstances and requirements;

2. that success in such coordination and resolution of the difficulties of new satellite networks could in some cases necessitate appropriate burden sharing;

3. that any coordination process requires the cooperation and goodwill of all concerned administrations so as to realise a balance of interests of all parties;

4. the need and obligation of all administrations concerned to reach mutually acceptable solutions in regard to the characteristics of the systems involved in the coordination process;

5. that the provisions of Article 11 as amended by this Conference foresee bilateral and multilateral discussions at any stage in the process of obtaining access to the limited resources of the GSO and the radio-frequency spectrum;

6. that in some circumstances the convening of Multilateral Planning Meetings (MPMs) as a part of the process of obtaining access to the limited resources of the GSO and the radio frequency-spectrum could become an effective means of resolving difficulties;

7. that the IFRB can assist administrations seeking to resolve complex problems in accordance with Nos. 1088 - 1094 of the Radio Regulations;

resolves

1. that the MPMs shall also be a part of the process of coordination for the fixed-satellite service in the band;

- 3 700 - 4 200 MHz
  5 850 - 6 425 MHz

- 10.95 - 11.20 GHz
  11.45 - 11.70 GHz
  11.70 - 12.20 GHz in Region 2[1]
  12.50 - 12.75 GHz in Regions 1 and 3[1][2]
  14.00 - 14.50 GHz

2. that the convening of such MPMs would be appropriate when an administration identifies that it has a major difficulty in obtaining coordination under the pertinent provisions of Article 11 in the frequency bands identified in resolves 1 above.

---

1 In these bands the improved procedures shall apply between networks of the fixed-satellite service only.

[2 Where an FSS network operates in the band 12.5 - 12.75 GHz, as well as under RR 845 in the band 12.2 - 12.5 GHz, the improved procedures shall apply for coordination of that network.]

3. that any administration seeking the coordination of a satellite network in the FSS in the bands mentioned in resolves 1 with respect to any other satellite network of the FSS, has the right to propose to the other administrations concerned the holding of an MPM;

4. that any administration which cannot attend an MPM may delegate another administration to represent it;

5. that if one or more of the affected administrations are unable to attend an MPM for any reason, then the pertinent provisions of Article 11 shall be applied to its (their) network(s);

6. that the results of an MPM shall be considered as coordination agreements among the participants and shall in no way prejudice the rights of non-participating administrations;

7. that the results of an MPM shall be conveyed to the Board in accordance with No. ADD 1087B;

also resolves

1. that the representatives of the affected multi-administration systems can also participate in the MPM;

2. that all participants affected shall make every effort to participate in the MPM;

3. that all participants affected shall make every effort for the success of the MPM;

resolves further

1. that the MPM may be held at a place agreed by the affected administrations;

2. that the cost of an MPM shall be borne by the participants according to the arrangements agreed upon by all participants;

3. that at the request of the initiating administration [in agreement with the other affected administrations,] the Secretary-General may supply secretarial services under contractual arrangements in accordance with No. 286 of the Nairobi Convention;

4. that any affected administration may call upon the permanent organs of the Union (General Secretariat, IFRB and CCIR) for any technical advice as it deems necessary;

urges administrations

1. to hold bilateral or multilateral consultation at any stage of the process of obtaining access to the limited resources of the GSO and the radio-frequency spectrum when it is expected that such consultations will assist resolution of difficulties;

2. to cooperate and resolve mutually, coordination problems in a spirit of international understanding, so as to uphold the principles of equal rights and equitable access to the GSO and the frequency bands allocated to space services for all administrations;

invites

the Administrative Council to monitor the progress in the application of this Resolution and, if difficulties arise in practice in the assurance of such equitable access, to propose that the MPM process be reviewed by a future competent conference.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Addendum 1 to
Document 391-E
29 September 1988
Original: English

COMMITTEE 6

RESOLUTION 4

Relating to the Period of Validity of Frequency Assignments to Space Stations Using the Geostationary-Satellite Orbit

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that rational and efficient use must be made of the frequency spectrum and the geostationary-satellite orbit and that account should be taken of the provisions of Resolution 2 relating to the use by all countries, with equal rights, of frequency bands for space radiocommunication services;

b) that limiting the period of validity of frequency assignments to space stations using the geostationary-satellite orbit is a concept which could promote the attainment of these objectives;

c) that amortizing the considerable investments made in connection with the development of space radiocommunications is a particularly heavy burden for all administrations and that these investments should be spread over a predetermined period;

d) that efforts should be made to encourage administrations in a position to do so to develop techniques designed to improve the utilization of the frequency spectrum and the geostationary-satellite orbit with a view to increasing the total radiocommunication facilities available to the world community;

~~e) that a world space administrative radio conference is due to meet around 1984 to deal with use of the geostationary-satellite orbit and the planning of the space services using this orbit;~~

e) ~~f)~~ that it would be advantageous to introduce an experimental procedure to gain experience from application of the new concept of notifying the period of validity of an assignment in space radiocommunications, but that it is not desirable to impose on administrations a statutory period identical in all cases but that on the contrary administrations should be left to propose the period of validity themselves in the light of their requirements and of the common interest;

f) that the 1988 World Administrative Radio Conference has reviewed this Resolution and decided that more time is required in its application before it can be properly assessed;

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resolves

1. that, until this Resolution is reviewed by the next competent World administrative radio conference, frequency assignments to space radiocommunication stations located on the geostationary orbit shall be dealt with as follows:

1.1 a frequency assignment to a space station[1] on a geostationary satellite shall be deemed definitively discontinued after the expiry of the period of operation shown on the assignment notice, reckoned from the date on which the assignment was brought into service. This period shall be limited to that for which the satellite network was designed. The Board shall then invite the notifying administration to take steps to cancel the assignment. If the Board receives no reply within three months following the expiry of the period of operation, it shall insert a symbol in the Remarks Column of the Master Register to indicate that the assignment is not in conformity with this Resolution;

1.2 if a notifying administration which wishes to extend the period of operation originally shown on the assignment notice of a frequency assignment of an existing space station[1] informs the Board accordingly more than three years before the expiry of the period in question and if all other basic characteristics of that assignment remain unchanged, the Board shall amend as requested the period of operation originally recorded in the Master Register and publish that information in a special section of the weekly circular;

1.3 if, at least three years before the expiry of the period of operation recorded in the Master Register of a frequency assignment to an existing space station[1], an administration initiates the coordination procedure specified in No. 1060 to bring into service a new space station using the same assigned frequency and the same orbital position but with different technical characteristics, and if the Board finds after the notification that the new assignment conforms with the provisions of No. 1503 and does not increase, in relation to the preceding assignment, the probability of interference to the detriment of a frequency assignment recorded in the Master Register or involved in the coordination procedure, the new assignment shall be given a favorable finding and shall be entered in the Master Register;

1.4 a notifying administration which wishes to modify a basic characteristic of a frequency assignment of a space station[1] recorded in the Master Register shall initiate, in any case other than those covered by paragraphs 1.2 and 1.3, the appropriate modification procedure in accordance with the provisions of Nos. [1547] to [1551];

2. that, for the application of the provisions of paragraph 1.1 above, the information concerning the period of validity of frequency assignments to space stations shall be notified in addition to that contained in Appendices 3 and 4 to the Radio Regulations;

3. that the application of this Resolution shall not prejudge in any way the decisions of ~~the space~~ future administrative radio conferences; ~~referred to in Resolution 3~~

---

[1] The expression "space station" may apply to more than one satellite provided that only one satellite is in operation at any particular moment and that the stations installed on board successive satellites have identical basic characteristics.

invites the ~~world space administrative radio conference provided for in Resolution 3~~ next competent world administrative radio conference

to take cognizance of the initial results of the application of this Resolution and take action, as appropriate.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 391-E
28 September 1988
Original: English

COMMITTEE 6

NINTH REPORT FROM THE CHAIRMAN OF WORKING GROUP 6-B TO COMMITTEE 6

1. The Working Group decided to simplify the procedure for recording of assignments subject to the provisions of No. 342 noting that those assignments have to be operated on a non-interference basis irrespective of Findings reached by the Board. As a consequential action, the Group decided to insert an appropriate reference to No. 1560 in the text of No. 1518 which specifies the action required in the case of harmful interference. The delegate of Colombia is opposed to the suppression of Nos. 1520 - 1524 as proposed for the revised procedure and requested that his position be reflected in the report of the Working Group.

2. The Group decided to modify No. 1529 and add a new provision (ADD 1530A) to avoid difficulties of interpretation under No. 1527 pertaining to cases where coordination under Nos. 1504 and 1505 has not been applied.

3. The Group also decided that, in the case of geostationary satellite networks, any modification to the basic characteristics of an assignment, in the application of No. 1548, should be subject only to the coordination procedure. Committee 6 is requested to take note of this decision in the minutes of its meeting.

4. Resolution 4 relating to the period of validity of frequency assignments to space stations using the GSO was reviewed and it was decided that this Resolution should be updated editorially and referred to the attention of the next competent world administrative radio conference.

A.V. CAREW
Chairman of Working Group 6-B

Annex: 1

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ANNEX

MOD 1517 § 12. (1) Finding Unfavourable with Respect to No. 1503 ~~in Cases Where the Provisions of Nos. 1504 and 1505 Are Not Applicable (space station on board a non-geostationary satellite).~~

MOD 1518 (2) Where the notice includes a specific reference to the fact that the station will be operated in accordance with the provisions of No. 342, the assignment shall be recorded in the Master Register with the understanding that the provisions of No. 1560 shall be applied, as appropriate. The date of receipt by the Board of the notice shall be entered in Column 2d.

NOC 1519

SUP 1520 - 1524

NOC 1526

NOC 1527

NOC 1528

MOD 1529 b) if the Board's efforts toward securing agreement in application of Nos. 1528 or 1089 to 1094 or 1130 to 1135 are unsuccessful, ~~or if, when notifying the assignment, the administration states that it has been unsuccessful and does not request the Board to effect the required coordination,~~ the Board shall examine the notice with respect to the provisions of Nos. 1506 to 1508 and 1509 to 1512, as appropriate. At the same time, the Board shall so inform the administrations concerned;

NOC 1530

ADD 1530A (3bis) Where the notifying administration states that it has been unsuccessful in the application of the coordination procedures mentioned in Nos. 1504 and 1505, the Board shall examine the notice with respect to the provisions of Nos. 1506 to 1508 and 1509 to 1512, as appropriate. At the same time, the Board shall so inform the administrations concerned.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 392-E
29 September 1988
Original: English

COMMITTEE 6

TENTH REPORT OF THE CHAIRMAN OF WORKING GROUP 6-C TO THE CHAIRMAN OF COMMITTEE 6

At the tenth meeting of Working Group 6-C, it adopted the text contained in the Annex concerning additions to the footnotes to the titles of Articles 11 and 13, and a MOD to RR 839. These texts are submitted for Committee 6 consideration.

L.M. PALMER
Chairman of Working Group 6-C

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ANNEX

ADD A.11.3 [3] These procedures may be applicable for earth stations of the earth exploration satellite service, space research service, space operation service and radio determination satellite service intended to be used while in motion or during halts at unspecified points.

ADD A.13.3 [3] These procedures may be applicable for earth stations of the earth exploration satellite service, space research service, space operation service and radio determination satellite service intended to be used while in motion or during halts at unspecified points.

[Note - To be added in the titles of Articles 11 AND 13.]

ARTICLE 8

MOD 839 Orb-85 The use of the bands 11.7 - 12.2 GHz by the fixed-satellite service in Region 2 and ~~11.7~~ 12.2 - 12.7 GHz by the broadcasting-satellite service in Region 2 is limited to national and sub-regional systems. The use of the band 11.7 - 12.2 GHz by the fixed-satellite service in Region 2 is subject to previous agreement between the administrations concerned and those having services, operating or planned to operate in accordance with the Table, which may be affected (see Articles 11, 13 and 14). For the use of the band 12.2 - 12.7 GHz by the broadcasting-satellite service in Region 2, see Article 15.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 393-E
29 September 1988
Original: English

Source: Document 373

COMMITTEE 7

SIXTH SERIES OF TEXTS FROM COMMITTEE 5 TO THE EDITORIAL COMMITTEE

The text of Document 373 on page 3 (Resolution COM5/7) was adopted as amended at the eleventh meeting of Committee 5 of 28 September 1988 p.m.

D. SAUVET-GOICHON
Chairman of Committee 5

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 394-E
29 September 1988
Original: English

Source: Documents 383, DL/62

COMMITTEE 7

SEVENTH SERIES OF TEXTS FROM COMMITTEE 6 TO THE EDITORIAL COMMITTEE

The texts contained in Document 383 as amended and adopted, and text contained in Document DL/62 as adopted by Committee 6 at its ninth meeting are submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 395-E
29 September 1988
Original: English

Source: Document 372

COMMITTEE 7

SEVENTH AND EIGHTH SERIES OF TEXTS FROM COMMITTEES 5 AND 6 RESPECTIVELY TO THE EDITORIAL COMMITTEE

The texts contained in Document 372 as amended and adopted by Committees 5 and 6 at their ninth meeting respectively are submitted to the Editorial Committee.

D. SAUVET-GOICHON
Chairman of Committee 5

J.F. BROERE
Chairman of Committee 6

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 396-E
29 September 1988
Original: English

Source: Documents 338, 355, 371

COMMITTEE 7

NINTH SERIES OF TEXTS FROM COMMITTEE 6 TO THE EDITORIAL COMMITTEE

The texts contained in the annex to Document 338 as amended and those contained in annexes to Documents 355 and 371 as adopted by Committee 6 at its ninth meeting are submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

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BLUE PAGES

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 397-E
1 October 1988

B.5(Corr.1)

PLENARY MEETING

5th SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following texts are submitted to the Plenary Meeting for first reading:

Please replace page B.5/2 by the following.

P. ABOUDARHAM
Chairman of Committee 7

Annex: 1 page

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

ARTICLE 13

MOD **Notification and Recording in the Master International Frequency Register of Frequency Assignments[1] to Radio Astronomy and Space Radiocommunication Stations Except Stations in the Broadcasting-Satellite Service[2, 3, 4]**

NOC 1488 - 1493

ADD 1493A (4) A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to a space station for transmission or reception may indicate the characteristics of one or more associated typical earth stations with the area in which they are intended to be operated.

MOD 1494 (5) A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to earth stations in a satellite system shall include the technical characteristics either of each earth station, with its location, or of a typical earth station, with an indication of the area within which such typical earth stations are to be operated.

NOC A.13.1

NOC A.13.2

ADD A.13.3 [3] These procedures may be applicable for earth stations of the earth exploration satellite service, space research service, space operation service and radiodetermination satellite service intended to be used while in motion or during halts at unspecified points.

ADD A.13.4 [4] For the application of the provisions of this Article with respect to stations in a space radiocommunication service using frequency bands covered by the fixed-satellite service Allotment Plan, see also Appendix [30B] and [Resolution COM4/...].

BLUE PAGES

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 397-E
29 September 1988

B.5

PLENARY MEETING

5th SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following texts are submitted to the Plenary Meeting for first reading:

Source	Document	Title
COM.6	361(375)	Article 11 (No. 1060.1)
	362(376)	Article 13
	361(375)	Article 14
COM.5	360(370)	Resolution COM5/3
	369(389)	Resolution COM5/5
	373(389)	Resolution COM5/6
COM.6	361(375)	Recommendation COM6/C

P. ABOUDARHAM
Chairman of Committee 7

Annex: 12 pages

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ARTICLE 11

MOD 1060 Text published in Document B.3/352 page 5, adopted at PL/6. Add reference to footnote 1 at the end of No. 1060.

ADD 1060.1 [1] In cases where the application of Article 14 is required with respect to one or more assignments of a network, the agreement obtained in application of Article 14 in relation to an assignment of another satellite network to which No. 1061 to 1065 apply shall be deemed to constitute successful application of the procedure of Section II of this Article.

ARTICLE 13

NOC **Notification and Recording in the Master International Frequency Register of Frequency Assignments[1] to Radio Astronomy and Space Radiocommunication Stations Except Stations in the Broadcasting-Satellite Service[2]**

NOC 1488 - 1493

ADD 1493A (4) A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to a space station for transmission or reception may indicate the characteristics of one or more associated typical earth stations with the area in which they are intended to be operated.

MOD 1494 (5) A notice submitted in accordance with Nos. 1488 to 1491 and relating to a frequency assignment to earth stations in a satellite system shall include the technical characteristics either of each earth station, with its location, or of a typical earth station, with an indication of the area within which such typical earth stations are to be operated.

NOC A.13.1

A.13.2 Orb-85 [2 For notification and recording of frequency assignments to stations in the broadcasting-satellite service and other services in the frequency bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2), as well as the notification and recording of frequency assignments to feeder-link stations in the fixed-satellite service (Earth-to-space) in the frequency band 17.3 - 17.8 GHz (in Region 2) and other services in these bands in Region 2, see also Article 15 and Article 15A respectively.] *

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* The subject matter related to this item is presently under consideration in other Committees or Working Groups.

ADD 1494A Except for mobile earth stations, individual notification of an earth station is required when:

ADD 1494B a) the coordination area calculated in accordance with the method given in Appendix 28 overlaps the territory of another administration in which the frequency band is allocated with equal rights to the terrestrial services;

ADD 1494C b) the characteristics of the earth station are such that the interference caused or suffered is greater than for any typical earth station coordinated under No. 1060 for the relevant location.

NOC 1495 - 1502

MOD 1503 a) with respect to its conformity with the Convention, the Table of Frequency Allocations[1] and the other provisions of the Radio Regulations, with the exception of those relating to the coordination procedures and the probability of harmful interference which are the subject of the following sub-paragraphs;

ADD 1503.1 Conformity with the Table of Frequency Allocations implies the successful application of Article 14, when necessary.

NOC 1504 - 1516

MOD 1550 (4) The notified date of bringing into use of the first assignment of a satellite network shall not be later than six years following the date of publication of the special section of the Weekly Circular referred to in No. 1044. This notified date of bringing into use will be extended at the request of the notifying administration by no more than three years.

NOC 1551 - 1584

ARTICLE 14

NOC **Supplementary Procedure to Be Applied in Cases Where a Footnote in the Table of Frequency Allocations Requires an Agreement with an Administration**

NOC 1610-1613

MOD 1613.1 [1] The information in Appendix 3 or 4 submitted to the Board under Article 11 may also be used for the purpose of this procedure. When the Appendix 4 information is submitted for an assignment to a geostationary-satellite network, the administration seeking agreement under this Article shall also submit the information required for the application of Appendix 29.

NOC 1614-1619

ADD 1619A When an administration intends to bring into use a frequency assignment to a space radiocommunication station, the agreement of an administration having an existing or planned space radiocommunication station may be required with respect to the assignments of this administration:

ADD 1619B a) which are recorded in the Master Register, in conformity with No. 1503; or

[ADD 1619BA which is notified to the Board]

ADD 1619C b) for which information under No. 1042[1] has been received by the Board; or

ADD 1619C.1 [1] The administration having such an assignment is requested to communicate as soon as possible the Appendix 3 information or, in the case of a geostationary-satellite network, any information in addition to that communicated in accordance with Appendix 4 which is necessary for the application of Appendix 29.

ADD 1619D c) for which the procedure of this Article has been initiated.

NOC 1620-1655

RESOLUTION COM5/3

Selection of a Frequency Band for Use by the Broadcasting-Satellite Service and Intended for Wide RF-Band High Definition Television*, and of an Associated Frequency Band for HDTV Feeder Links, and the Adoption of Related Provisions by a Future Competent Conference

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that the development of techniques for high definition television broadcasting is rapidly progressing;

b) that the frequency bands around 12 GHz allocated to the broadcasting-satellite service do not, as presently planned, provide a world-wide allocation suitable for the implementation of HDTV via satellite;

c) that a world-wide frequency allocation to the broadcasting-satellite service suitable for HDTV transmissions is desirable to facilitate the implementation of a unique world-wide standard for HDTV transmissions by satellite and to reduce interregional inter-service sharing constraints;

d) that the band 22.5 - 23 GHz is allocated to the broadcasting-satellite service in Regions 2 and 3, and is authorized in those Regions subject to agreement obtained under the procedure set forth in Article 14 of the Radio Regulations;

e) that due account should be taken of other radiocommunication services appearing in Article 8 of the Radio Regulations;

considering also

a) that the CCIR has carried out a number of studies concerning the broadcasting of HDTV signals, propagation aspects, and the difficulties of sharing with other services (see the CCIR Reports to the First and Second Sessions of this Conference);

b) that the CCIR in its Report to the Second Session has concluded that:

i) narrow RF-band systems (operating in a 24 - 27 MHz channel) are characterized by relatively high degrees of bandwidth compression and by analogue modulation;

ii) wide RF-band systems (both analogue and digital) require an RF channel bandwidth typically in the order of 50 - 120 MHz;

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* Wide RF-Band High Definition Television is referred to in the text of this Resolution as HDTV.

iii) some use of the 12 GHz band, as planned, can be made for narrow RF-band systems using single channel, highly compressed signal formats and, at the expense of a significant reduction in the number of available programmes, for formats using two RF channels. However, the 12 GHz band, as planned, will not accommodate single wide RF channel high definition TV, analogue or digital signals on a world-wide basis;

iv) from a propagation point of view, all bands from 12 GHz to 23 GHz may be suitable, but rain attenuation, which increases with frequency, and atmospheric absorption need to be taken into account;

c) that this Conference has confirmed the need for a suitable band to be made available, preferably on a world-wide basis, for the future introduction of HDTV in the broadcasting-satellite service (BSS) with an associated band for HDTV feeder links, also preferably on a world-wide basis;

resolves

1. that opportunities be given in Article 8 of the Radio Regulations to achieve a well balanced situation for all Regions to facilitate the introduction of HDTV on a world-wide basis;

2. that the frequency range 12.7 - 23 GHz be considered for HDTV;

3. that, while the Plans for the 11.7 - 12.7 GHz band can already be used for certain types of high definition television, studies should be continued on the long range future suitability of these bands for HDTV without prejudice to the existing Plans in this band;

4. that appropriate bands be considered for associated HDTV feeder links;

5. that further studies (going beyond those presented in the Reports of the CCIR to this Conference) will be essential before the most suitable bands can be chosen;

6. that, in choosing the band for the long term use by HDTV, due account must be taken of other services with allocations in the band and of existing systems operating in the band, and a minimum period, to be determined by the Conference referred to in "resolves to recommend 2" below, should be allowed for any re-accommodation or adjustment of these services that might arise;

resolves to recommend

1. that the Plenipotentiary Conference, Nice, 1989, when establishing the post-1989 programme of conferences and meetings, should include provision for a world administrative radio conference to deal with matters relating to HDTV, which should be held sufficiently early to take due account of any period that may be needed to re-accommodate or adjust other services if necessary;

2. that the Administrative Council, when establishing the agenda for the above-mentioned WARC, should ensure that the Conference is authorized:

a) to make the definitive selection of, and the appropriate radio regulatory provisions for, a frequency band for HDTV in the broadcasting-satellite service in the long-term and for an associated HDTV feeder-link band, both preferably on a world-wide basis;

b) to adopt appropriate provisions to regulate the sharing of any such bands with other radiocommunication services, being guided by the appropriate CCIR studies, taking into account the needs of any existing services which might perhaps have to be adjusted or re-accommodated elsewhere in the frequency spectrum, including the time required to effect any necessary changes;

c) to determine the dates for the entry into force of its decisions, including the earliest date for the introduction of HDTV and associated feeder links into any frequency bands selected for these purposes;

invites the CCIR

to undertake further studies of feeder links and down-links necessitated by this Resolution and and to submit its report not later than one year before the WARC mentioned above. These studies are to include the following:

1. system parameters for HDTV transmissions by satellite, with emphasis on the effect of the choice of frequency, e.g.:

- modulation (including baseband coding and channel coding);
- satellite power requirements;
- satellite and earth station technology;
- receiving system characteristics;
- type of polarization (including propagation effects);

2. propagation characteristics, e.g.:

- attenuation, including precipitation losses;
- atmospheric absorption;
- cross-polar discrimination,

3. inter- and intra-service sharing and interference, interregional sharing;

invites administrations

to carry out studies as required, taking into account the above-listed topics, and to communicate the results to the CCIR;

instructs the Secretary-General

to bring this Resolution to the attention of the Plenipotentiary Conference, Nice, 1989.

RESOLUTION COM5/5

Possible Extension to Regions 1 and 3 of Provisions for Interim Systems

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that this Conference has reviewed Resolution 42(Orb-85) of the First Session and has incorporated into the Radio Regulations a modified text of that Resolution containing provisions covering the use of interim systems in Region 2;

b) that this Conference has adopted a feeder-link Plan for the broadcasting-satellite service in Regions 1 and 3;

c) that some administrations in Regions 1 and 3 have expressed interest in the adoption, for these Regions, of provisions similar to those adopted for interim systems in Region 2;

d) that the broadcasting-satellite and associated feeder-link Plans for Regions 1 and 3 differ from those adopted for Region 2;

resolves

1. that a future competent conference should consider the possible application of regulatory provisions covering the operation of interim systems in Regions 1 and 3;

2. that administrations of Regions 1 and 3 wishing to bring into use interim systems of the broadcasting-satellite service before the date that may be determined by the future competent conference referred to in resolves 1, shall apply the provisions of Article 4 of Appendix 30(Orb-85) or Article 4 of Appendix 30A(Orb-88) as appropriate, using if necessary the provisions of 4.3.15 of Appendix 30(Orb-85) or 4.2.13 of Appendix 30A(Orb-88).

3. that, when such interim systems are notified, Article 5 of Appendix 30(Orb-85) or Article 5 of Appendix 30A(Orb-88), as appropriate, shall be applied;

invites the Administrative Council

to place this matter on the agenda of the next conference competent to consider broadcasting-satellite service matters.

RESOLUTION COM5/6

Recording in the Master International Frequency Register of the Assignments for Regions 1 and 3 Contained in Appendix 30A (Orb-88)

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

that the provisions and associated feeder-link Plans adopted by this Conference with the appropriate modifications have been incorporated in the Radio Regulations in Appendix 30A (Orb-88);

resolves

that, on the date of signature of the Final Acts of the Second Session of the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It, Geneva, 1988, the frequency assignments in the Plans will be entered in the Master Register. The date of signature of these Final Acts will be entered, together with an appropriate symbol, in Column 13c opposite these assignments.

RECOMMENDATION COM6/C

Review of Article 14 of the Radio Regulations and Further Development of Technical Criteria for its Application

The World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (Second Session - Geneva, 1988),

considering

a) that Article 14 of the Radio Regulations in many instances does not contain provisions relating to time limits and the steps to be taken in the case of continuing disagreement between administrations;

b) that, because the provisions of Article 14 are in many cases applicable to terrestrial services in shared bands and, in some cases, to terrestrial services only, the general revision of the Article is beyond the competence of the Conference, even though the space services are more frequently affected and have experienced some difficulty in its application;

c) that in some cases in the application of Article 14 there exist no technical criteria to identify the affected administrations;

d) that recent administrative radio conferences have used extensively the reference to Article 14 when revising existing footnotes to the Table of Frequency Allocations or developing new ones;

e) that there is a need to review the provisions of Article 14 and to consider any consequential changes to the Radio Regulations necessary for an efficient and simplified application of this Article;

noting

that this Conference has reviewed the provisions of Article 14 which refer to space services, and has made the minimal necessary changes to the procedures, until a more extensive revision can be made, covering all services;

recommends

that a future competent world administrative radio conference should review and revise, as appropriate, the provisions of Article 14 and make consequential changes arising from such a revision;

instructs the IFRB

to prepare an updated report on the application of the procedure of Article 14 and on any difficulties encountered in its application and submit it to a competent world administrative radio conference;

invites the CCIR

1. to continue appropriate studies of the development of sharing criteria for the different services which are involved in the application of Article 14;

2. to provide technical criteria permitting administrations to evaluate the effect on their services of the application of Article 14 with respect to a given assignment;

urges administrations

to study this matter and, on the basis of their experience in the application of Article 14, to submit proposals for consideration by a future competent world administrative radio conference.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

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29 September 1988
Original: English

Source: Documents 368, DT/91

COMMITTEE 7

EIGHTH SERIES OF TEXTS FROM COMMITTEE 5 TO THE EDITORIAL COMMITTEE

The text of Document 368 concerning Appendix 30A (excluding Annex 3 transmitted previously) was adopted as amended at the twelfth meeting of Committee 5 of 29 September 1988 a.m.

D. SAUVET-GOICHON
Chairman of Committee 5

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 399-E
29 September 1988
Original: English

COMMITTEE 4

REPORT FROM THE CHAIRMAN OF SUB-WORKING GROUP 4-B-1 TO COMMITTEE 4

This document presents the results of the work of Sub-Working Group 4-B-1 aimed at reducing the incompatibilities between parts A and B of the Plan. These results represent the best the Group could achieve under the constraints of time, computer facilities and manpower available.

Inasmuch as possible, the concerns expressed by the various administrations, with respect to the results in Document 307, were taken into account.

Annexes 1 and 2 (8-1-1-4) contain, respectively, the results of the analyses at 6/4 GHz and 13/10 GHz for an improved part A of the Plan. In these analyses, only the allotments were considered.

Annexes 3 and 4 (9-1-1-4) contain, respectively, the results of the analyses at 6/4 GHz and 13/10 GHz for the same improved part A taking into account the existing systems.

Finally, Annex 5 illustrates the improvement, in terms of the compatibility with existing systems, and with respect to the results of Document 307, obtained by the Group in its efforts to increase the compatibility between parts A and B of the Plan.

J.M. FORTES
Chairman of Sub-Working Group 4-B-1

Annexes: 5

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ANNEXE 1 - ANNEX 1 - ANEXO 1

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALS00000	-159.00	-158.56	57.52	6.27	1.60	0.93	54.15	21.23	6.88	4.65	50.40	-169.80	-158.20	9.91
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	66.62	24.37	6.88	4.65	55.72	-169.80	-158.20	10.89
GUMMRA00	-159.00	-214.55	16.73	1.69	1.60	78.62	52.71	21.73	6.88	4.65	50.71	-169.80	-158.20	21.33
HWA00000	-159.00	-157.60	20.74	1.60	1.60	90.00	52.50	19.77	6.88	4.65	70.46	-169.80	-158.20	63.94
HWL00000	-159.00	-176.58	0.08	1.60	1.60	90.00	52.50	18.17	6.88	4.65	61.49	-169.80	-158.20	69.37
JAR00000	-159.00	-160.00	-0.38	1.60	1.60	90.00	52.50	18.07	6.88	4.65	62.25	-169.80	-158.20	88.74
JON00000	-159.00	-168.50	17.00	1.60	1.60	90.00	52.50	17.80	6.88	4.65	69.34	-169.80	-158.20	67.24
MDW00000	-159.00	-177.42	28.22	1.60	1.60	90.00	52.50	18.00	6.88	4.65	67.45	-169.80	-158.20	51.30
MRL00000	-159.00	-184.72	8.73	2.33	1.60	93.55	53.46	21.22	6.88	4.65	58.13	-169.80	-158.20	52.82
PLM00000	-159.00	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	69.43	-169.80	-158.20	81.28
SMA00000	-159.00	-170.70	-14.22	1.60	1.60	90.00	52.50	17.79	6.88	4.65	49.90	-169.80	-158.20	68.49
WAK00000	-159.00	-193.50	19.20	1.60	1.60	90.00	52.50	18.10	6.88	4.65	60.50	-169.80	-158.20	44.97
GTM00000	-135.70	-90.47	15.49	1.60	1.60	90.00	52.50	19.54	6.88	4.65	32.90	-139.30	-41.40	33.72
SLV0IFRB	-130.50	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	29.49	-130.50	-47.50	40.05
TON0IFRB	-128.00	-175.17	-21.17	1.60	1.60	90.00	52.50	18.97	6.88	4.65	32.26	-175.00	-126.00	31.98
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	57.52	21.48	6.88	4.65	28.22	-136.10	-61.00	39.11
SMO00000	-125.50	-172.11	-13.73	1.60	1.60	90.00	52.50	18.94	6.88	4.65	32.02	-175.00	-121.70	34.01
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	61.48	22.10	6.88	4.65	31.54	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	1.60	1.60	90.00	52.50	19.39	6.88	4.65	34.47	-130.30	-63.50	22.27
GDL00002	-115.90	-61.76	16.37	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.42	-123.20	-81.20	25.66
GUF00002	-115.90	-53.28	4.30	1.60	1.60	90.00	53.48	20.58	6.88	4.65	44.28	-123.20	-81.20	17.64
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	55.02	21.07	6.88	4.65	49.25	-123.20	-81.20	44.85
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	52.50	21.29	6.88	4.65	27.94	-119.00	-113.70	10.17
CAN0CENT	-111.10	-96.15	51.37	4.32	2.04	155.35	54.55	21.60	6.88	4.65	29.94	-115.10	-101.00	10.24
GRD0IFRB	-104.70	-61.60	12.00	1.60	1.60	90.00	52.50	18.76	6.88	4.65	29.43	-113.00	-10.20	38.82
EQA00000	-104.00	-83.13	-1.41	3.06	1.60	173.53	54.33	21.09	6.88	4.65	37.80	-104.00	-94.10	56.41
JMC00000	-102.50	-77.59	18.18	1.60	1.60	90.00	52.50	18.41	6.88	4.65	37.17	-127.50	-27.80	54.45
BRB0IFRB	-101.00	-59.60	13.17	1.60	1.60	90.00	52.50	18.71	6.88	4.65	28.52	-110.80	-8.40	40.30
ABW00000	-98.20	-69.05	12.41	1.60	1.60	90.00	52.50	18.58	6.88	4.65	29.84	-119.40	-18.90	52.23
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	55.26	21.60	6.88	4.65	39.00	-108.00	-90.10	12.57
CTR00000	-96.00	-85.32	8.18	1.60	1.60	90.00	52.50	19.76	6.88	4.65	37.53	-125.40	-44.00	70.80
VCT0IFRB	-93.10	-61.10	13.17	1.60	1.60	90.00	52.50	18.47	6.88	4.65	30.60	-112.30	-9.90	50.10
HTI0IFRB	-92.00	-73.00	18.83	1.60	1.60	90.00	52.50	18.30	6.88	4.65	32.10	-122.90	-23.10	59.04
BLZ00000	-90.80	-88.61	17.24	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.43	-138.40	-38.70	68.24
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	56.69	21.28	6.88	4.65	37.00	-120.40	-38.20	58.99
SCN0IFRB	-88.80	-62.90	17.33	1.60	1.60	90.00	52.50	18.39	6.88	4.65	29.89	-113.20	-12.60	54.09
URG00000	-86.10	-56.26	-33.70	1.60	1.60	90.00	52.50	19.32	6.88	4.65	33.30	-108.90	-3.50	37.60
CPV0IFRB	-85.70	-24.10	16.00	1.60	1.60	90.00	52.50	18.70	6.88	4.65	33.32	-94.70	46.50	18.99
DOM0IFRB	-85.40	-70.40	18.67	1.60	1.60	90.00	52.50	18.25	6.88	4.65	27.12	-120.30	-20.50	62.17
NCG0IFRB	-84.40	-84.88	12.91	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.59	-124.40	-45.90	72.33
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	55.05	21.09	6.88	4.65	30.10	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	1.60	1.60	90.00	52.50	18.27	6.88	4.65	29.99	-102.50	-24.70	61.34
PRG00000	-81.50	-58.71	-23.10	1.60	1.60	90.00	52.50	20.94	6.88	4.65	32.18	-90.40	-23.20	47.09
CUB00000	-80.60	-79.54	21.02	1.99	1.60	171.62	52.50	20.75	6.88	4.65	28.89	-123.50	-36.10	62.58
PNR0IFRB	-79.20	-80.16	8.54	1.60	1.60	90.00	52.50	19.57	6.88	4.65	29.48	-120.00	-40.40	78.04
ATG0IFRB	-77.70	-61.80	17.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	29.78	-112.20	-11.40	62.94
SUR0IFRB	-77.00	-55.63	3.93	1.60	1.60	90.00	52.50	19.28	6.88	4.65	30.82	-97.00	-15.00	62.27
HND00000	-76.20	-86.11	15.42	1.60	1.60	90.00	52.50	20.01	6.88	4.65	28.70	-123.80	-48.10	66.37
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	61.44	21.61	6.88	4.65	35.67	-96.40	-53.60	11.48
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.60	132.91	52.50	20.60	6.88	4.65	30.01	-121.10	-32.20	57.33
TRD00000	-73.40	-61.09	10.83	1.60	1.60	90.00	52.50	18.19	6.88	4.65	28.22	-112.30	-9.90	70.23
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	56.99	21.12	6.88	4.65	30.06	-110.10	-39.90	70.19

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

SLT. 15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DMA0IFRB	-69.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.17	6.88	4.65	28.84	-112.10	-10.50	69.59
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	58.70	21.52	6.88	4.65	28.87	-70.00	-60.10	47.43
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	59.58	21.32	6.88	4.65	27.86	-70.00	-60.10	69.00
PTC00000	-62.00	-130.10	-25.07	1.60	1.60	90.00	52.50	18.77	6.88	4.65	40.86	-62.60	-58.50	11.22
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	60.25	21.38	6.88	4.65	30.69	-70.00	-60.10	56.25
SRL0IFRB	-51.80	-11.90	8.50	1.60	1.60	90.00	52.50	18.64	6.88	4.65	32.06	-63.80	40.00	43.01
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	59.62	21.90	6.88	4.65	41.04	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.60	153.53	52.50	21.49	6.88	4.65	39.60	-58.40	-51.00	7.80
DNK00002	-49.00	12.48	56.29	1.60	1.60	90.00	52.50	19.43	6.88	4.65	37.06	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	1.60	1.60	90.00	52.50	18.93	6.88	4.65	39.24	-50.00	-43.10	11.41
GRL00000	-49.00	-42.91	68.57	2.31	1.60	176.47	52.50	21.45	6.88	4.65	40.76	-50.00	-43.10	3.06
SEN00000	-48.40	-13.99	14.06	1.60	1.60	90.00	52.50	19.67	6.88	4.65	31.00	-64.40	34.30	45.07
LBR00000	-41.80	-8.94	6.50	1.60	1.60	90.00	52.50	19.57	6.88	4.65	35.96	-50.40	35.50	49.57
AND00000	-41.00	1.53	42.52	1.60	1.60	90.00	52.50	18.61	6.88	4.65	34.75	-48.60	51.70	25.03
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	52.50	21.05	6.88	4.65	30.12	-54.50	64.60	25.60
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	54.14	21.00	6.88	4.65	35.12	-38.50	-27.10	39.69
BERCAYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	56.50	21.80	6.88	4.65	43.21	-38.50	-27.10	35.55
FLKSTGGL	-37.10	-46.81	-59.57	3.73	1.60	170.47	52.50	21.19	6.88	4.65	37.73	-38.50	-27.10	5.08
G 00000	-37.10	-4.15	53.88	1.61	1.60	151.35	52.50	20.99	6.88	4.65	26.86	-38.50	-27.10	14.76
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.60	78.07	52.50	20.88	6.88	4.65	35.04	-37.20	74.10	21.20
ISL00000	-35.50	-18.17	64.94	1.60	1.60	90.00	52.50	19.49	6.88	4.65	28.92	-53.00	14.80	13.77
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	54.65	21.37	6.88	4.65	39.79	-97.30	-23.20	44.96
GMB00000	-34.00	-16.40	13.40	1.60	1.60	90.00	52.50	17.96	6.88	4.65	28.63	-77.30	44.50	64.24
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	53.46	21.15	6.88	4.65	28.14	-47.94	38.37	28.89
GNE0IFRB	-32.30	10.50	1.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	30.29	-32.80	53.80	40.58
DNK00001	-32.00	10.83	55.87	1.60	1.60	90.00	52.50	19.37	6.88	4.65	27.81	-40.80	62.20	14.33
BEN00000	-30.60	2.28	9.30	1.60	1.60	90.00	52.50	20.05	6.88	4.65	29.53	-40.20	44.70	48.37
I 00000	-28.80	11.17	40.93	2.11	1.60	140.41	52.50	21.10	6.88	4.65	29.34	-32.90	54.10	22.44
GUY00000	-24.10	-59.18	4.73	1.60	1.60	90.00	52.50	20.57	6.88	4.65	43.56	-100.10	-18.30	46.47
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	52.50	20.65	6.88	4.65	31.15	-72.80	44.20	54.31
HNG00000	-22.10	19.17	47.13	1.60	1.60	90.00	52.50	19.04	6.88	4.65	30.03	-22.20	62.40	20.08
TGO00000	-21.10	0.83	8.58	1.60	1.60	90.00	52.50	19.55	6.88	4.65	31.27	-41.00	43.40	61.36
LBN00000	-19.30	35.80	33.83	1.60	1.60	90.00	52.50	18.67	6.88	4.65	39.28	-31.60	103.20	20.22
LSO0IFRB	-18.70	28.40	-29.50	1.60	1.60	90.00	52.50	18.45	6.88	4.65	38.04	-40.10	96.90	28.72
DJI0IFRB	-18.30	42.60	11.67	1.60	1.60	90.00	52.50	18.67	6.88	4.65	37.02	-28.40	113.60	20.29
AUT00000	-17.10	13.66	47.65	1.60	1.60	90.00	52.50	19.17	6.88	4.65	28.64	-18.60	46.40	25.75
COG0IFRB	-16.00	14.79	-0.55	2.00	1.60	63.46	52.98	21.15	6.88	4.65	27.21	-24.70	56.50	49.72
TCH00000	-12.70	17.32	49.59	1.60	1.60	90.00	52.57	19.95	6.88	4.65	28.22	-21.30	54.40	24.43
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	53.27	20.98	6.88	4.65	36.56	-36.50	67.50	45.39
SUI00000	-8.60	8.16	46.49	1.60	1.60	90.00	52.50	18.67	6.88	4.65	26.25	-20.00	35.00	32.63
AZR00000	-7.30	-28.01	38.69	1.60	1.60	90.00	52.50	18.92	6.88	4.65	43.96	-41.90	6.70	38.12
MDR00000	-7.30	-16.16	31.56	1.60	1.60	90.00	52.50	18.29	6.88	4.65	40.38	-41.90	6.70	50.28
POR00000	-7.30	-8.00	39.65	1.60	1.60	90.00	52.50	18.76	6.88	4.65	30.39	-41.90	6.70	41.62
ATN00000	-5.70	-65.62	15.09	1.60	1.60	90.00	52.50	21.04	6.88	4.65	33.74	-50.10	1.90	17.72
HOL00000	-5.70	5.35	52.44	1.60	1.60	90.00	52.50	18.60	6.88	4.65	26.39	-50.10	1.90	27.32
TUN00000	-4.60	9.28	33.46	1.60	1.60	90.00	52.50	19.64	6.88	4.65	29.42	-29.00	48.40	43.84
BDI00000	-3.00	29.94	-3.40	1.60	1.60	90.00	52.50	18.43	6.88	4.65	33.52	-30.50	90.40	50.10
CYP00000	-2.60	33.20	35.10	1.60	1.60	90.00	52.50	18.45	6.88	4.65	30.73	-21.50	87.90	34.41
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	54.52	20.79	6.88	4.65	33.69	-59.90	43.30	60.62
F 00000	-0.10	3.11	45.89	2.13	1.60	167.72	52.50	20.97	6.88	4.65	28.93	-13.90	5.70	31.57
GDL00000	-0.10	-61.96	16.31	1.60	1.60	90.00	52.50	19.96	6.88	4.65	33.51	-13.90	5.70	17.29
GUF00000	-0.10	-53.17	4.30	1.60	1.60	90.00	52.62	19.89	6.88	4.65	41.64	-13.90	5.70	28.24

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MYT00000	-0.10	45.20	-12.83	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.78	-13.90	5.70	36.27
REU00000	-0.10	55.56	-21.12	1.60	1.60	90.00	52.50	19.33	6.88	4.65	42.24	-13.90	5.70	23.30
SPM00000	-0.10	-56.40	46.96	1.60	1.60	90.00	52.50	19.04	6.88	4.65	44.32	-13.90	5.70	13.76
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	52.85	20.97	6.88	4.65	34.73	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	52.50	20.72	6.88	4.65	36.22	-7.00	15.00	42.79
ALB00000	2.40	19.99	41.11	1.60	1.60	90.00	52.50	18.64	6.88	4.65	29.25	-29.90	69.80	37.73
NOR00000	3.90	11.71	64.57	1.97	1.60	16.53	52.50	21.30	6.88	4.65	30.45	-2.90	29.10	3.05
CTI00000	4.60	-5.85	7.82	1.60	1.60	90.00	52.50	19.98	6.88	4.65	32.43	-15.00	27.10	71.21
MLT00000	5.60	14.36	35.93	1.60	1.60	90.00	52.50	18.20	6.88	4.65	29.23	-39.80	68.50	47.17
RRW00000	6.80	29.73	-1.89	1.60	1.60	90.00	52.50	18.09	6.88	4.65	36.70	-30.90	90.80	61.71
LIE00000	7.90	9.50	47.20	1.60	1.60	90.00	52.50	18.32	6.88	4.65	27.48	-30.00	15.00	35.73
QAT00000	8.30	51.58	25.44	1.60	1.60	90.00	52.50	18.40	6.88	4.65	33.47	-16.90	120.00	32.91
TUR00000	9.40	34.11	38.87	2.80	1.60	170.97	52.50	21.09	6.88	4.65	29.54	-7.10	61.60	31.45
BFA00000	10.20	-1.45	12.23	1.74	1.60	23.58	52.50	20.52	6.88	4.65	31.52	-54.60	46.20	67.27
S 00000	11.30	16.68	60.88	1.60	1.60	90.00	52.50	19.79	6.88	4.65	27.84	-7.00	47.10	12.20
CNR00000	12.20	-15.86	28.51	1.60	1.60	90.00	52.50	18.74	6.88	4.65	40.13	-31.10	24.20	42.91
E 00002	12.20	-2.98	39.86	2.08	1.60	7.95	52.50	20.66	6.88	4.65	29.31	-31.10	24.20	35.72
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	52.50	20.50	6.88	4.65	34.70	-45.40	82.50	55.61
GRC00000	14.20	24.71	38.27	1.71	1.60	158.13	52.50	20.68	6.88	4.65	26.66	-8.90	56.80	40.24
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	53.66	20.91	6.88	4.65	31.71	-24.80	57.60	73.21
IRL00000	15.20	-8.12	53.25	1.60	1.60	90.00	52.50	19.00	6.88	4.65	30.10	-41.00	25.70	23.69
GHA00000	16.00	-1.28	7.71	1.60	1.60	90.00	52.50	20.33	6.88	4.65	30.76	-41.70	39.30	64.57
POL00000	16.30	19.21	51.75	1.60	1.60	90.00	52.50	19.79	6.88	4.65	26.40	-14.80	56.40	27.44
MDG0IFRB	16.80	46.60	-18.69	2.58	1.60	66.24	54.60	21.44	6.88	4.65	41.85	10.40	81.10	45.48
LUX00000	19.20	6.16	49.69	1.60	1.60	90.00	52.50	18.37	6.88	4.65	27.79	-53.90	66.10	31.14
BOT00000	19.90	23.99	-21.77	1.60	1.60	90.00	52.50	20.02	6.88	4.65	34.32	-41.70	89.90	59.11
BHR00000	20.40	50.60	26.07	1.60	1.60	90.00	52.50	18.09	6.88	4.65	33.75	-18.60	119.80	44.77
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	53.75	20.99	6.88	4.65	35.86	-27.30	51.20	73.08
SMR00000	22.40	12.46	43.95	1.60	1.60	90.00	52.50	18.34	6.88	4.65	27.82	-36.40	61.40	38.34
IRN00000	25.80	54.27	32.98	3.67	1.60	143.55	52.50	20.97	6.88	4.65	32.58	20.10	50.00	33.68
D 00000	26.40	9.72	50.70	1.60	1.60	90.00	52.50	19.49	6.88	4.65	27.42	-30.40	53.10	25.20
YEM0IFRB	27.00	44.21	15.06	1.60	1.60	90.00	52.50	18.65	6.88	4.65	35.26	-24.30	113.20	60.40
GUI0IFRB	27.50	-10.87	10.20	1.60	1.60	90.00	52.50	20.24	6.88	4.65	36.09	-51.80	33.80	39.68
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	53.23	20.85	6.88	4.65	31.73	-19.20	54.90	47.46
MWI0IFRB	29.70	34.15	-13.30	1.60	1.60	90.00	52.50	19.96	6.88	4.65	34.61	-25.00	93.70	68.87
YUG00000	31.20	18.47	44.26	1.60	1.60	90.00	52.50	19.81	6.88	4.65	27.95	-25.80	60.20	33.83
UGA0IFRB	32.30	32.17	0.95	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.48	-27.20	91.60	84.88
MRC00000	32.70	-8.86	27.94	3.39	1.60	44.55	52.50	21.21	6.88	4.65	32.86	-50.50	37.50	29.66
SWZ00000	33.10	31.29	-26.35	1.60	1.60	90.00	52.50	18.02	6.88	4.65	32.72	-26.80	89.20	58.54
STP0IFRB	33.40	7.00	1.00	1.60	1.60	90.00	52.50	18.30	6.88	4.65	32.22	-45.40	59.40	59.14
KWT00000	34.60	47.65	29.07	1.60	1.60	90.00	52.50	18.10	6.88	4.65	35.83	-20.20	115.30	52.11
CVA00000	35.40	12.50	41.88	1.60	1.60	90.00	52.50	18.39	6.88	4.65	28.65	-38.10	63.10	36.31
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.60	25.92	52.50	20.39	6.88	4.65	32.05	-27.90	82.50	64.58
GNB0IFRB	36.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	33.94	-76.50	45.70	29.36
DDR00000	38.70	12.60	51.36	1.60	1.60	90.00	52.50	19.27	6.88	4.65	28.23	-26.80	51.70	23.40
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	52.50	21.22	6.88	4.65	34.79	34.10	62.00	30.87
GAB0IFRB	39.90	11.70	-0.74	1.60	1.60	90.00	52.50	20.22	6.88	4.65	28.76	-29.20	52.00	53.71
MCO00000	41.40	7.40	43.67	1.60	1.60	90.00	52.50	18.70	6.88	4.65	29.52	-41.80	56.60	29.27
NIG00000	42.00	7.85	9.80	2.48	1.60	44.10	54.33	21.48	6.88	4.65	30.32	-29.60	49.60	43.99
ZWE00000	42.50	29.87	-18.91	1.72	1.60	161.53	52.50	20.31	6.88	4.65	32.18	-27.00	85.50	60.06
ROU00000	44.10	25.38	45.58	1.60	1.60	90.00	52.50	20.28	6.88	4.65	27.36	-1.00	51.00	30.82
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	53.47	20.72	6.88	4.65	29.88	20.10	60.00	51.82

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FNL00000	46.80	23.79	64.34	1.60	1.60	90.00	52.50	20.74	6.88	4.65	30.51	7.10	46.80	10.01
BUL00000	50.40	25.55	42.75	1.60	1.60	90.00	52.50	19.17	6.88	4.65	27.23	-20.60	71.50	32.09
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	59.53	21.58	6.88	4.65	38.09	-23.60	62.60	44.49
IRQ00000	51.70	44.25	33.13	1.81	1.60	165.93	52.50	20.32	6.88	4.65	28.58	5.10	82.50	46.12
BEL00000	52.60	5.16	50.62	1.60	1.60	90.00	52.50	18.83	6.88	4.65	29.59	-53.60	62.00	15.39
AFG00000	53.60	66.55	33.91	2.34	1.60	16.10	52.50	20.63	6.88	4.65	32.06	42.30	95.80	41.33
CYPSBA00	56.60	32.95	34.58	1.60	1.60	90.00	52.50	18.28	6.88	4.65	30.18	44.70	59.20	42.56
GIB00000	56.60	-5.35	36.15	1.60	1.60	90.00	52.50	19.08	6.88	4.65	39.42	44.70	59.20	13.88
HKG00000	56.60	114.50	22.42	1.60	1.60	90.00	52.50	19.36	6.88	4.65	43.81	44.70	59.20	21.33
ETH00000	57.70	40.63	10.34	2.81	2.75	63.71	52.65	20.56	6.88	4.65	34.10	-4.00	85.00	59.00
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	58.91	21.71	6.88	4.65	32.61	56.70	65.40	8.50
BTN0IFRB	63.00	90.38	27.00	1.60	1.60	90.00	52.50	18.47	6.88	4.65	31.27	34.30	146.60	44.71
SYR00000	64.30	39.24	34.64	1.60	1.60	90.00	52.50	19.99	6.88	4.65	27.88	10.10	70.00	38.58
EGY00000	68.30	30.29	26.22	2.31	1.60	53.82	52.50	20.78	6.88	4.65	29.40	-10.30	69.50	30.96
TZA0IFRB	69.50	35.43	-5.93	2.41	1.60	117.15	52.50	20.69	6.88	4.65	33.53	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.60	1.60	90.00	52.50	18.92	6.88	4.65	34.21	-12.70	120.30	53.90
AFS00000	71.00	27.19	-30.05	5.32	1.60	128.26	54.28	21.44	6.88	4.65	36.55	-25.80	84.20	22.24
ISR00000	73.00	35.04	31.32	1.60	1.60	90.00	52.50	18.99	6.88	4.65	29.53	-8.00	78.40	34.21
IND00000	74.00	82.66	18.94	6.19	4.91	120.21	62.41	21.50	6.88	4.65	36.27	51.30	116.40	47.01
KEN00000	78.20	38.45	0.81	2.07	1.60	95.27	52.50	20.73	6.88	4.65	31.08	-10.40	86.30	38.89
MLA00000	78.50	108.21	4.68	3.16	1.60	0.42	55.77	21.60	6.88	4.65	31.28	76.40	143.20	42.40
JOR00000	85.50	36.39	31.11	1.60	1.60	90.00	52.50	19.15	6.88	4.65	37.53	-28.80	102.90	24.76
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	61.55	21.71	6.88	4.65	33.85	87.70	98.00	7.06
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.60	98.03	54.42	21.73	6.88	4.65	33.22	-10.60	90.60	21.83
PHL0IFRB	89.60	121.25	11.35	3.33	1.60	100.96	55.79	21.65	6.88	4.65	32.38	83.00	159.80	45.90
MAU0IFRB	92.20	57.50	-20.17	1.60	1.60	90.00	52.50	18.61	6.88	4.65	43.65	8.00	107.00	44.30
COM0IFRB	94.50	44.10	-12.17	1.60	1.60	90.00	52.50	19.01	6.88	4.65	31.88	-7.30	95.50	31.11
CBG0IFRB	96.10	105.06	12.85	1.60	1.60	90.00	52.50	19.59	6.88	4.65	32.95	61.20	144.20	68.33
SEY0IFRB	96.50	55.40	-4.50	1.60	1.60	90.00	52.50	18.66	6.88	4.65	30.17	3.10	107.70	42.28
SNG00000	98.10	103.85	1.28	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.10	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.60	72.34	52.50	21.24	6.88	4.65	29.84	-20.00	102.70	24.66
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	61.99	21.68	6.88	4.65	34.44	90.40	139.40	25.55
OMA00000	104.00	55.09	21.60	1.94	1.60	60.61	52.50	20.80	6.88	4.65	29.20	-9.80	122.20	27.93
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	57.10	21.16	6.88	4.65	28.88	85.10	125.00	62.78
YMS00000	108.00	49.91	14.76	1.60	1.60	90.00	52.50	20.26	6.88	4.65	30.12	-16.40	114.40	16.47
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	54.88	21.31	6.88	4.65	27.40	57.60	131.00	53.98
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	43.54	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	42.84	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	32.91	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	40.84	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	33.85	113.00	114.30	10.03
MNG00000	113.60	103.75	46.82	3.64	1.60	2.57	52.50	21.07	6.88	4.65	33.09	60.40	148.90	28.71
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	63.93	21.43	6.88	4.65	32.56	101.10	135.00	58.31
KOR00000	116.20	127.68	36.17	1.60	1.60	90.00	52.50	19.47	6.88	4.65	31.72	83.00	169.60	43.61
MAC00000	117.00	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	29.21	64.70	162.40	63.75
MLD0IFRB	117.60	73.40	2.48	2.21	1.60	88.03	54.50	21.27	6.88	4.65	28.74	21.10	124.90	37.92
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	54.41	21.25	6.88	4.65	29.32	58.60	137.20	55.69
CLN00000	121.50	80.09	7.67	1.60	1.60	90.00	52.50	18.78	6.88	4.65	31.41	28.10	131.90	41.35
NPL0IFRB	123.30	84.40	27.96	1.60	1.60	90.00	52.50	19.23	6.88	4.65	36.51	30.30	137.60	32.52
BGD00000	133.00	90.16	23.96	1.60	1.60	90.00	52.50	19.65	6.88	4.65	36.41	44.60	135.50	32.17
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	58.47	21.32	6.88	4.65	34.59	75.00	151.30	50.09
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	58.94	21.71	6.88	4.65	34.83	138.50	140.60	6.02

ADMINISTRATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
LAO0IFRB	142.00	104.11	18.15	1.60	1.60	90.00	52.50	20.85	6.88	4.65	32.40	56.60	149.90	37.68
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	64.04	21.80	6.88	4.65	41.44	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.60	1.60	90.00	52.50	20.47	6.88	4.65	40.77	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.60	1.60	90.00	52.50	19.45	6.88	4.65	43.43	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	1.60	1.60	90.00	52.50	18.40	6.88	4.65	38.72	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	1.60	1.60	90.00	52.50	18.75	6.88	4.65	51.14	122.36	148.10	11.04
KRE00000	145.00	127.80	39.82	1.60	1.60	90.00	52.50	20.38	6.88	4.65	30.02	110.10	150.00	38.11
NRU0IFRB	146.00	166.90	-0.50	1.60	1.60	90.00	52.50	18.21	6.88	4.65	32.75	114.50	179.00	65.50
SLM0IFRB	147.50	158.99	-9.05	1.60	1.60	90.00	52.50	20.54	6.88	4.65	31.80	120.40	179.00	68.27
FJI0IFRB	148.80	178.50	-17.17	1.60	1.60	90.00	52.50	18.46	6.88	4.65	31.07	128.20	179.00	50.58
KIR0IFRB	150.00	173.00	1.07	1.60	1.60	90.00	52.50	18.25	6.88	4.65	34.35	120.60	179.00	63.05
VUT0IFRB	150.70	168.41	-17.16	1.60	1.60	90.00	52.50	19.71	6.88	4.65	30.11	127.40	179.00	58.03
NZL00001	152.00	170.92	-44.80	5.35	1.60	48.53	54.68	21.89	6.88	4.65	33.10	150.90	175.00	3.06
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	54.83	21.71	6.88	4.65	34.18	150.90	175.00	29.33
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	59.80	21.49	6.88	4.65	36.20	94.40	170.90	36.55
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	55.93	21.02	6.88	4.65	34.19	114.20	179.00	71.27
BRU0IFRB	157.30	114.60	4.50	1.60	1.60	90.00	52.50	19.10	6.88	4.65	42.44	71.50	157.70	40.51
TUV00000	158.00	179.16	-8.50	1.60	1.60	90.00	52.50	18.24	6.88	4.65	41.49	127.30	179.00	63.33

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
ABW00000	-98.20	-69.05	12.41	1.60	1.60	90.00	52.50	18.58	6.88	4.65	29.84	-119.40	-18.90	52.23
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	43.54	113.00	114.30	12.16
AFG00000	53.60	66.55	33.91	2.34	1.60	16.10	52.50	20.63	6.88	4.65	32.06	42.30	95.80	41.33
AFS00000	71.00	27.19	-30.05	5.32	1.60	128.26	54.28	21.44	6.88	4.65	36.55	-25.80	84.20	22.24
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.60	78.07	52.50	20.88	6.88	4.65	35.04	-37.20	74.10	21.20
ALB00000	2.40	19.99	41.11	1.60	1.60	90.00	52.50	18.64	6.88	4.65	29.25	-29.90	69.80	37.73
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	53.46	21.15	6.88	4.65	28.14	-47.94	38.37	28.89
ALS00000	-159.00	-158.56	57.52	6.27	1.60	0.93	54.15	21.23	6.88	4.65	50.40	-169.80	-158.20	9.91
AND00000	-41.00	1.53	42.52	1.60	1.60	90.00	52.50	18.61	6.88	4.65	34.75	-48.60	51.70	25.03
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	59.62	21.90	6.88	4.65	41.04	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.60	153.53	52.50	21.49	6.88	4.65	39.60	-58.40	-51.00	7.80
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	53.47	20.72	6.88	4.65	29.88	20.10	60.00	51.82
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	54.14	21.00	6.88	4.65	35.12	-38.50	-27.10	39.69
ATG0IFRB	-77.70	-61.80	17.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	29.78	-112.20	-11.40	62.94
ATN00000	-5.70	-65.62	15.09	1.60	1.60	90.00	52.50	21.04	6.88	4.65	33.74	-50.10	1.90	17.72
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	64.04	21.80	6.88	4.65	41.44	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.60	1.60	90.00	52.50	20.47	6.88	4.65	40.77	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.60	1.60	90.00	52.50	19.45	6.88	4.65	43.43	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	1.60	1.60	90.00	52.50	18.40	6.88	4.65	38.72	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	1.60	1.60	90.00	52.50	18.75	6.88	4.65	51.14	122.36	148.10	11.04
AUT00000	-17.10	13.66	47.65	1.60	1.60	90.00	52.50	19.17	6.88	4.65	28.64	-18.60	46.40	25.75
AZR00000	-7.30	-28.01	38.69	1.60	1.60	90.00	52.50	18.92	6.88	4.65	43.96	-41.90	6.70	38.12
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	59.58	21.32	6.88	4.65	27.86	-70.00	-60.10	69.00
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	60.25	21.38	6.88	4.65	30.69	-70.00	-60.10	56.25
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	58.70	21.52	6.88	4.65	28.87	-70.00	-60.10	47.43
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.60	132.91	52.50	20.60	6.88	4.65	30.01	-121.10	-32.20	57.33
BDI00000	-3.00	29.94	-3.40	1.60	1.60	90.00	52.50	18.43	6.88	4.65	33.52	-30.50	90.40	50.10
BEL00000	52.60	5.16	50.62	1.60	1.60	90.00	52.50	18.83	6.88	4.65	29.59	-53.60	62.00	15.39
BEN00000	-30.60	2.28	9.30	1.60	1.60	90.00	52.50	20.05	6.88	4.65	29.53	-40.20	44.70	48.37
BER0AYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	56.50	21.80	6.88	4.65	43.21	-38.50	-27.10	35.55
BFA00000	10.20	-1.45	12.23	1.74	1.60	23.38	52.50	20.52	6.88	4.65	31.52	-54.60	46.20	67.27
BGD00000	133.00	90.16	23.96	1.60	1.60	90.00	52.50	19.65	6.88	4.65	36.41	44.60	135.50	32.17
BHR00000	20.40	50.60	26.07	1.60	1.60	90.00	52.50	18.09	6.88	4.65	33.75	-18.60	119.80	44.77
BLZ00000	-90.80	-88.61	17.24	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.43	-138.40	-38.70	68.24
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	54.65	21.37	6.88	4.65	39.79	-97.30	-23.20	44.96
BOT00000	19.90	23.99	-21.77	1.60	1.60	90.00	52.50	20.02	6.88	4.65	34.32	-41.70	89.90	59.11
BRB0IFRB	-101.00	-59.60	13.17	1.60	1.60	90.00	52.50	18.71	6.88	4.65	28.52	-110.80	-8.40	40.30
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	54.88	21.31	6.88	4.65	27.40	57.60	131.00	53.98
BRU0IFRB	157.30	114.60	4.50	1.60	1.60	90.00	52.50	19.10	6.88	4.65	42.44	71.50	157.70	40.51
BTN0IFRB	63.00	90.38	27.00	1.60	1.60	90.00	52.50	18.47	6.88	4.65	31.27	34.30	146.60	44.71
BUL00000	50.40	25.55	42.75	1.60	1.60	90.00	52.50	19.17	6.88	4.65	27.23	-20.60	71.50	32.09
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	53.66	20.91	6.88	4.65	31.71	-24.80	57.60	73.76
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	55.26	21.60	6.88	4.65	39.00	-108.00	-90.10	12.57
CAN0CENT	-111.10	-96.15	51.37	4.32	2.04	155.35	54.55	21.60	6.88	4.65	29.94	-115.10	-101.00	10.24
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	52.50	21.29	6.88	4.65	27.94	-119.00	-113.70	10.17
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	66.62	24.37	6.88	4.65	55.72	-169.80	-158.20	10.89
CBG0IFRB	96.10	105.06	12.85	1.60	1.60	90.00	52.50	19.59	6.88	4.65	32.95	61.20	144.20	68.33
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	61.44	21.61	6.88	4.65	35.67	-96.40	-53.60	11.48
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	61.99	21.68	6.88	4.65	34.44	90.40	139.40	25.55
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	58.47	21.32	6.88	4.65	34.59	75.00	151.30	50.09
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	56.99	21.12	6.88	4.65	30.06	-110.10	-39.90	70.19
CLN00000	121.50	80.09	7.67	1.60	1.60	90.00	52.50	18.78	6.88	4.65	31.41	28.10	131.90	41.35

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	53.75	20.99	6.88	4.65	35.86	-27.30	51.20	73.08
CNR00000	12.20	-15.86	28.51	1.60	1.60	90.00	52.50	18.74	6.88	4.65	40.13	-31.10	24.20	42.91
COG0IFRB	-16.00	14.79	-0.55	2.00	1.60	63.46	52.98	21.15	6.88	4.65	37.51	-24.70	56.50	49.72
COM0IFRB	94.50	44.10	-12.17	1.60	1.60	90.00	52.50	19.01	6.88	4.65	31.88	-7.30	95.50	31.11
CPV0IFRB	-85.70	-24.10	16.00	1.60	1.60	90.00	52.50	18.70	6.88	4.65	33.32	-94.70	46.50	18.99
CTI00000	4.60	-5.85	7.82	1.60	1.60	90.00	52.50	19.98	6.88	4.65	32.43	-15.00	27.10	71.21
CTR00000	-96.00	-85.32	8.18	1.60	1.60	90.00	52.50	19.76	6.88	4.65	37.53	-125.40	-44.00	70.80
CUB00000	-80.60	-79.54	21.02	1.99	1.60	171.62	52.50	20.75	6.88	4.65	28.89	-123.50	-36.10	62.58
CVA00000	35.40	12.50	41.88	1.60	1.60	90.00	52.50	18.39	6.88	4.65	28.65	-38.10	63.10	36.31
CYP00000	-2.60	33.20	35.10	1.60	1.60	90.00	52.50	18.45	6.88	4.65	30.73	-21.50	87.90	34.41
CYPSBA00	56.60	32.95	34.58	1.60	1.60	90.00	52.50	18.28	6.88	4.65	30.18	-44.70	59.20	42.56
D 00000	26.40	9.72	50.70	1.60	1.60	90.00	52.50	19.49	6.88	4.65	27.23	-30.40	53.10	25.20
DDR00000	38.70	12.60	51.36	1.60	1.60	90.00	52.50	19.27	6.88	4.65	28.23	-26.80	51.70	23.40
DJI0IFRB	-18.30	42.60	11.67	1.60	1.60	90.00	52.50	18.67	6.88	4.65	37.02	-28.40	113.60	20.29
DMA0IFRB	-69.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.17	6.88	4.65	28.84	-112.10	-10.50	69.59
DNK00001	-32.00	10.83	55.87	1.60	1.60	90.00	52.50	19.37	6.88	4.65	27.81	-40.80	62.20	14.33
DNK00002	-49.00	12.48	56.29	1.60	1.60	90.00	52.50	19.43	6.88	4.65	37.06	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	1.60	1.60	90.00	52.50	18.93	6.88	4.65	39.24	-50.00	-43.10	11.41
DOM0IFRB	-85.40	-70.40	18.67	1.60	1.60	90.00	52.50	18.25	6.88	4.65	27.12	-120.30	-20.50	62.17
E 00002	12.20	-2.98	39.86	2.08	1.60	7.95	52.50	20.66	6.88	4.65	29.31	-31.10	24.20	35.72
EGY00000	68.30	30.29	26.22	2.31	1.60	53.82	52.50	20.78	6.88	4.65	29.40	-10.30	69.50	30.96
EQA00000	-104.00	-83.13	-1.41	3.06	1.60	173.53	54.33	21.09	6.88	4.65	37.80	-104.00	-94.10	56.41
ETH00000	57.70	40.63	10.34	2.81	2.75	63.71	52.65	20.56	6.88	4.65	34.10	-4.00	85.00	59.00
F 00000	-0.10	3.11	45.89	2.13	1.60	167.72	52.50	20.97	6.88	4.65	28.93	-13.90	5.70	31.57
FJI0IFRB	148.80	178.50	-17.17	1.60	1.60	90.00	52.50	18.46	6.88	4.65	31.07	128.20	179.00	59.58
FLKSTGGL	-37.10	-46.81	-59.57	3.73	1.60	170.47	52.50	21.19	6.88	4.65	37.73	-38.50	-27.10	5.08
FNL00000	46.80	23.79	64.34	1.60	1.60	90.00	52.50	20.74	6.88	4.65	26.86	-38.50	-27.10	14.76
G 00000	-37.10	-4.15	53.88	1.61	1.60	151.35	52.50	20.99	6.88	4.65	28.76	-29.20	52.00	53.71
GAB0IFRB	39.90	11.70	-0.74	1.60	1.60	90.00	52.50	20.22	6.88	4.65	33.51	-13.90	5.70	17.29
GDL00000	-0.10	-61.96	16.31	1.60	1.60	90.00	52.50	19.96	6.88	4.65	34.42	-123.20	-81.20	25.66
GDL00002	-115.90	-61.76	16.37	1.60	1.60	90.00	52.50	19.68	6.88	4.65	30.76	-41.70	39.30	64.57
GHA00000	16.00	-1.28	7.71	1.60	1.60	90.00	52.50	20.33	6.88	4.65	39.42	44.70	59.20	13.88
GIB00000	56.60	-5.35	36.15	1.60	1.60	90.00	52.50	19.08	6.88	4.65	28.63	-77.30	44.50	64.24
GMB00000	-34.00	-16.40	13.40	1.60	1.60	90.00	52.50	17.94	6.88	4.65	33.94	-76.50	45.70	29.36
GNB0IFRB	36.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	30.29	-32.80	53.80	40.58
GNE0IFRB	-32.30	10.50	1.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	26.66	-8.90	56.80	40.24
GRC00000	14.20	24.71	38.27	1.71	1.60	158.13	52.50	20.68	6.88	4.65	29.43	-113.00	-10.20	38.82
GRD0IFRB	-104.70	-61.60	12.00	1.60	1.60	90.00	52.50	18.76	6.88	4.65	40.76	-50.00	-43.10	3.06
GRL00000	-49.00	-42.91	68.57	2.31	1.60	174.47	52.50	21.45	6.88	4.65	32.90	-139.30	-41.40	33.72
GTM00000	-135.70	-90.47	15.49	1.60	1.60	90.00	52.50	19.54	6.88	4.65	41.64	-13.90	5.70	28.24
GUF00000	-0.10	-53.17	4.30	1.60	1.60	90.00	52.62	19.89	6.88	4.65	44.28	-123.20	-81.20	17.64
GUF00002	-115.90	-53.28	4.30	1.60	1.60	90.00	53.48	20.58	6.88	4.65	36.09	-51.80	33.80	39.68
GUI0IFRB	27.50	-10.87	10.20	1.60	1.60	90.00	52.50	20.24	6.88	4.65	50.71	-169.80	-158.20	21.33
GUMMRA00	-159.00	-214.55	16.73	1.69	1.60	78.62	52.71	21.73	6.88	4.65	43.56	-100.10	-18.30	46.47
GUY00000	-24.10	-59.18	4.73	1.60	1.60	90.00	52.50	20.57	6.88	4.65	43.81	44.70	59.20	21.33
HKG00000	56.60	114.50	22.42	1.60	1.60	90.00	52.50	19.36	6.88	4.65	28.70	-123.80	-48.10	66.37
HND00000	-76.20	-86.11	15.42	1.60	1.60	90.00	52.50	20.01	6.88	4.65	30.03	-22.20	62.40	20.08
HNG00000	-22.10	19.17	47.13	1.60	1.60	90.00	52.50	19.04	6.88	4.65	26.39	-50.10	1.90	27.32
HOL00000	-5.70	5.35	52.44	1.60	1.60	90.00	52.50	18.60	6.88	4.65	32.10	-122.90	-23.10	59.04
HTI0IFRB	-92.00	-73.00	18.83	1.60	1.60	90.00	52.50	18.30	6.88	4.65	70.46	-169.80	-158.20	63.94
HWA00000	-159.00	-157.60	20.74	1.60	1.60	90.00	52.50	19.77	6.88	4.65	61.49	-169.80	-158.20	69.37
HWL00000	-159.00	-176.58	0.08	1.60	1.60	90.00	52.50	18.17	6.88	4.65				

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
I 00000	-28.80	11.17	40.93	2.11	1.60	140.41	52.50	21.10	6.88	4.65	29.34	-32.90	54.10	22.44
IND00000	74.00	82.66	18.94	6.19	4.91	120.21	62.41	21.50	6.88	4.65	36.27	51.30	116.40	47.01
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	63.93	21.43	6.88	4.65	32.56	101.10	135.00	58.31
IRL00000	15.20	-8.12	53.25	1.60	1.60	90.00	52.50	19.00	6.88	4.65	30.10	-41.00	25.70	23.69
IRN00000	25.80	54.27	32.98	3.67	1.60	143.55	52.50	20.97	6.88	4.65	32.58	20.10	50.00	33.68
IRQ00000	51.70	44.25	33.13	1.81	1.60	165.93	52.50	20.32	6.88	4.65	28.58	5.10	82.50	46.12
ISL00000	-35.50	-18.17	64.94	1.60	1.60	90.00	52.50	19.49	6.88	4.65	28.92	-53.00	14.80	13.77
ISR00000	73.00	35.04	31.32	1.60	1.60	90.00	52.50	18.99	6.88	4.65	29.53	-8.00	78.40	34.21
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	59.80	21.49	6.88	4.65	36.20	94.40	170.90	36.55
JAR00000	-159.00	-160.00	-0.38	1.60	1.60	90.00	52.50	18.07	6.88	4.65	62.25	-169.80	-158.20	88.74
JMC00000	-102.50	-77.59	18.18	1.60	1.60	90.00	52.50	18.41	6.88	4.65	37.17	-127.50	-27.80	54.45
JON00000	-159.00	-168.50	17.00	1.60	1.60	90.00	52.50	17.80	6.88	4.65	69.34	-169.80	-158.20	67.24
JOR00000	85.50	36.39	31.11	1.60	1.60	90.00	52.50	19.15	6.88	4.65	37.53	-28.80	102.90	24.76
KEN00000	78.20	38.45	0.81	2.07	1.60	95.27	52.50	20.73	6.88	4.65	31.08	-10.40	86.30	38.89
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	42.84	113.00	114.30	10.90
KIR0IFRB	150.00	173.00	1.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	34.35	120.60	179.00	63.05
KOR00000	116.20	127.68	36.17	1.60	1.60	90.00	52.50	19.47	6.88	4.65	31.72	83.00	169.60	43.61
KRE00000	145.00	127.80	39.82	1.60	1.60	90.00	52.50	20.38	6.88	4.65	30.02	110.10	150.00	38.11
KWT00000	34.60	47.65	29.07	1.60	1.60	90.00	52.50	18.10	6.88	4.65	35.83	-20.20	115.30	52.11
LAO0IFRB	142.00	104.11	18.15	1.60	1.60	90.00	52.50	20.85	6.88	4.65	32.40	56.60	149.90	37.68
LBN00000	-19.30	35.80	33.83	1.60	1.60	90.00	52.50	18.67	6.88	4.65	39.28	-31.60	103.20	20.22
LBR00000	-41.80	-8.94	6.50	1.60	1.60	90.00	52.50	19.57	6.88	4.65	35.96	-50.40	35.50	49.57
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	53.23	20.85	6.88	4.65	31.73	-19.20	54.90	47.46
LIE00000	7.90	9.50	47.20	1.60	1.60	90.00	52.50	18.32	6.88	4.65	27.48	-30.00	15.00	35.73
LSO0IFRB	-18.70	28.40	-29.50	1.60	1.60	90.00	52.50	18.45	6.88	4.65	38.04	-40.10	96.90	28.73
LUX00000	19.20	6.16	49.69	1.60	1.60	90.00	52.50	18.37	6.88	4.65	27.79	-53.90	66.10	31.14
MAC00000	117.00	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	29.21	64.70	162.40	63.75
MAU0IFRB	92.20	57.50	-20.17	1.60	1.60	90.00	52.50	18.61	6.88	4.65	43.65	8.00	107.00	44.30
MCO00000	41.40	7.40	43.67	1.60	1.60	90.00	52.50	18.70	6.88	4.65	29.52	-41.80	56.60	29.27
MDG0IFRB	16.80	46.60	-18.69	2.58	1.60	66.24	54.60	21.44	6.88	4.65	41.85	10.40	81.10	45.48
MDR00000	-7.30	-16.16	31.56	1.60	1.60	90.00	52.50	18.29	6.88	4.65	40.38	-41.90	6.70	50.28
MDW00000	-159.00	-177.42	28.22	1.60	1.60	90.00	52.50	18.00	6.88	4.65	67.45	-169.80	-158.20	51.30
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	57.52	21.48	6.88	4.65	28.22	-136.10	-61.00	39.11
MLA00000	78.50	108.21	4.68	3.16	1.60	0.42	55.77	21.60	6.88	4.65	31.28	76.40	143.20	42.40
MLD0IFRB	117.60	73.40	2.48	2.21	1.60	88.03	52.50	21.27	6.88	4.65	28.74	21.10	124.90	37.92
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	54.52	20.79	6.88	4.65	33.69	-59.90	43.30	60.62
MLT00000	5.60	14.36	35.93	1.60	1.60	90.00	52.50	18.20	6.88	4.65	29.23	-39.80	68.50	47.17
MNG00000	113.60	103.75	46.82	3.64	1.60	2.57	52.50	21.07	6.88	4.65	33.09	60.40	148.90	28.71
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.60	98.03	54.42	21.73	6.88	4.65	33.22	-10.60	90.60	21.83
MRC00000	32.70	-8.86	27.94	3.39	1.60	44.55	52.50	21.21	6.88	4.65	32.86	-50.50	37.50	29.66
MRL00000	-159.00	-184.72	8.73	2.33	1.60	93.55	53.46	21.22	6.88	4.65	58.13	-169.80	-158.20	52.82
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	52.50	20.65	6.88	4.65	31.15	-72.80	44.20	54.31
MWI0IFRB	29.70	34.15	-13.30	1.60	1.60	90.00	52.50	19.96	6.88	4.65	34.61	-25.00	93.70	68.87
MYT00000	-0.10	45.20	-12.83	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.78	-13.90	5.70	36.27
NCG0IFRB	-84.40	-84.88	12.91	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.59	-124.40	-45.90	72.33
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	32.91	113.00	114.30	24.44
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	52.50	21.05	6.88	4.65	30.12	-54.50	64.60	25.60
NIG00000	42.00	7.85	9.80	2.48	1.60	44.10	54.33	21.48	6.88	4.65	30.32	-29.60	49.60	43.99
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	52.50	20.50	6.88	4.65	34.70	-45.40	82.50	55.61
NOR00000	3.90	11.71	64.57	1.97	1.60	16.53	52.50	21.30	6.88	4.65	30.45	2.90	29.10	3.05
NPL0IFRB	123.30	84.40	27.96	1.60	1.60	90.00	52.50	19.23	6.88	4.65	36.51	30.30	137.60	32.52
NRU0IFRB	146.00	166.90	-0.50	1.60	1.60	90.00	52.50	18.21	6.88	4.65	32.75	114.50	179.00	65.50

ADMINISTRATION

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
NZL00001	152.00	170.92	-44.80	5.35	1.60	48.53	54.68	21.89	6.88	4.65	33.10	150.90	175.00	3.06
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	54.83	21.71	6.88	4.65	34.18	150.90	175.00	29.33
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	55.02	21.07	6.88	4.65	49.25	-123.20	-81.20	44.85
OMA00000	104.00	55.09	21.60	1.94	1.60	60.61	52.50	20.80	6.88	4.65	29.20	-9.80	122.20	27.93
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	52.50	21.22	6.88	4.65	34.79	34.10	62.00	30.87
PHL0IFRB	89.60	121.25	11.35	3.33	1.60	100.96	55.79	21.65	6.88	4.65	32.38	83.00	159.80	45.90
PLM00000	-159.00	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	69.43	-169.80	-158.20	81.28
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	55.93	21.02	6.88	4.65	34.19	114.20	179.00	71.27
PNR0IFRB	-79.20	-80.16	8.54	1.60	1.60	90.00	52.50	19.57	6.88	4.65	29.48	-120.00	-40.40	78.04
POL00000	16.30	19.21	51.75	1.60	1.60	90.00	52.50	19.79	6.88	4.65	26.40	-14.80	56.40	27.44
POR00000	-7.30	-8.00	39.65	1.60	1.60	90.00	52.50	18.76	6.88	4.65	30.39	-41.90	6.70	41.62
PRG00000	-81.50	-58.71	-23.10	1.60	1.60	90.00	52.50	20.94	6.88	4.65	32.18	-90.40	-23.20	47.09
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	56.69	21.28	6.88	4.65	37.00	-120.40	-38.20	58.99
PTC00000	-62.00	-130.10	-25.07	1.60	1.60	90.00	52.50	18.77	6.88	4.65	40.86	-62.60	-58.50	11.22
QAT00000	8.30	51.58	25.44	1.60	1.60	90.00	52.50	18.40	6.88	4.65	33.47	-16.90	120.00	32.91
REU00000	-0.10	55.56	-21.12	1.60	1.60	90.00	52.50	19.33	6.88	4.65	42.24	-13.90	5.70	23.30
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	40.84	113.00	114.30	21.57
ROU00000	44.10	25.38	45.58	1.60	1.60	90.00	52.50	20.28	6.88	4.65	27.36	-1.00	51.00	30.82
RRW00000	6.80	29.73	-1.89	1.60	1.60	90.00	52.50	18.09	6.88	4.65	36.70	-30.90	90.80	61.71
S 00000	11.30	16.68	60.88	1.60	1.60	90.00	52.50	19.79	6.88	4.65	27.84	-7.00	47.10	12.20
SCN0IFRB	-88.80	-62.90	17.33	1.60	1.60	90.00	52.50	18.39	6.88	4.65	29.89	-113.20	-12.60	54.09
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	52.85	20.97	6.88	4.65	34.73	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	52.50	20.72	6.88	4.65	36.22	-7.00	15.00	42.79
SEN00000	-48.40	-13.99	14.06	1.60	1.60	90.00	52.50	19.67	6.88	4.65	31.00	-64.40	34.30	45.07
SEY0IFRB	96.50	55.40	-4.50	1.60	1.60	90.00	52.50	18.66	6.88	4.65	30.17	3.10	107.70	42.28
SLM0IFRB	147.50	158.99	-9.05	1.60	1.60	90.00	52.50	20.54	6.88	4.65	31.80	120.40	179.00	68.27
SLV0IFRB	-130.50	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	29.49	-130.50	-47.50	40.05
SMA00000	-159.00	-170.70	-14.22	1.60	1.60	90.00	52.50	17.79	6.88	4.65	49.90	-169.80	-158.20	68.49
SMO00000	-125.50	-172.11	-13.73	1.60	1.60	90.00	52.50	18.94	6.88	4.65	32.02	-175.00	-121.70	34.01
SMR00000	22.40	12.46	43.95	1.60	1.60	90.00	52.50	18.34	6.88	4.65	27.82	-36.40	61.40	38.34
SNG00000	98.10	103.85	1.28	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.10	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.60	72.34	52.50	21.24	6.88	4.65	29.84	-20.00	102.70	24.66
SPM00000	-0.10	-56.40	46.96	1.60	1.60	90.00	52.50	19.04	6.88	4.65	44.32	-13.90	5.70	13.76
SRL0IFRB	-51.80	-11.90	8.50	1.60	1.60	90.00	52.50	18.64	6.88	4.65	32.06	-63.80	40.00	43.01
STP0IFRB	33.40	7.00	1.00	1.60	1.60	90.00	52.50	18.30	6.88	4.65	32.22	-45.40	59.40	59.14
SUI00000	-8.60	8.16	44.69	1.60	1.60	90.00	52.50	18.67	6.88	4.65	26.25	-20.00	35.00	32.63
SUR0IFRB	-77.00	-55.63	3.93	1.60	1.60	90.00	52.50	19.28	6.88	4.65	30.82	-97.00	-15.00	62.27
SWZ00000	33.10	31.29	-26.35	1.60	1.60	90.00	52.50	18.02	6.88	4.65	32.72	-26.80	89.20	58.54
SYR00000	64.30	39.24	34.64	1.60	1.60	90.00	52.50	19.99	6.88	4.65	27.88	10.10	70.00	38.58
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	53.27	20.98	6.88	4.65	36.56	-36.50	67.50	45.39
TCH00000	-12.70	17.32	49.59	1.60	1.60	90.00	52.50	19.95	6.88	4.65	28.22	-21.30	54.40	24.43
TGO00000	-21.10	0.83	8.58	1.60	1.60	90.00	52.50	19.55	6.88	4.65	31.27	-41.00	43.40	61.36
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	54.41	21.25	6.88	4.65	29.32	58.60	137.20	55.69
TON0IFRB	-128.00	-175.17	-21.17	1.60	1.60	90.00	52.50	18.97	6.88	4.65	32.26	-175.00	-126.00	31.98
TRD00000	-73.40	-61.09	10.83	1.60	1.60	90.00	52.50	18.19	6.88	4.65	28.22	-112.30	-9.90	70.23
TUN00000	-4.60	9.28	33.46	1.60	1.60	90.00	52.50	19.64	6.88	4.65	29.42	-29.00	48.40	43.84
TUR00000	9.40	34.11	38.87	2.80	1.60	170.97	52.50	21.09	6.88	4.65	29.54	7.10	61.60	31.45
TUV00000	158.00	179.16	-8.50	1.60	1.60	90.00	52.50	18.24	6.88	4.65	41.49	127.30	179.00	63.33
TZA0IFRB	69.50	35.43	-5.93	2.41	1.60	117.15	52.50	20.69	6.88	4.65	33.53	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.60	1.60	90.00	52.50	18.92	6.88	4.65	34.21	-12.70	120.30	53.90
UGA0IFRB	32.30	32.17	0.95	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.48	-27.20	91.60	84.88
URG00000	-86.10	-56.26	-33.70	1.60	1.60	90.00	52.50	19.32	6.88	4.65	33.30	-108.90	-3.50	37.60

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	58.91	21.71	6.88	4.65	32.61	56.70	65.40	8.50
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	61.55	21.71	6.88	4.65	33.85	87.70	98.00	7.06
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	58.94	21.71	6.88	4.65	34.83	138.50	140.60	6.02
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	61.48	22.00	6.88	4.65	31.54	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	1.60	1.60	90.00	52.50	19.39	6.88	4.65	34.47	-130.30	-63.50	22.27
VCT0IFRB	-93.10	-61.10	13.17	1.60	1.60	90.00	52.50	18.47	6.88	4.65	30.60	-112.30	-9.90	50.10
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	55.05	21.09	6.88	4.65	30.10	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	1.60	1.60	90.00	52.50	18.27	6.88	4.65	29.99	-102.50	-24.70	61.34
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	57.10	21.16	6.88	4.65	28.88	85.10	125.00	62.78
VUT0IFRB	150.70	168.41	-17.16	1.60	1.60	90.00	52.50	19.71	6.88	4.65	30.11	127.40	179.00	58.03
WAK00000	-159.00	-193.50	19.20	1.60	1.60	90.00	52.50	18.10	6.88	4.65	60.50	-169.80	-158.20	44.97
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	33.85	113.00	114.30	10.03
YEM0IFRB	27.00	44.21	15.06	1.60	1.60	90.00	52.50	18.65	6.88	4.65	35.26	-24.30	113.20	60.40
YMS00000	108.00	49.91	14.76	1.60	1.60	90.00	52.50	20.26	6.88	4.65	30.12	-16.40	114.40	16.47
YUG00000	31.20	18.47	44.26	1.60	1.60	90.00	52.50	19.81	6.88	4.65	27.95	-25.80	60.20	33.83
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	59.53	21.58	6.88	4.65	38.09	-23.60	62.60	44.49
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.60	25.92	52.50	20.39	6.88	4.65	32.05	-27.90	82.50	64.58
ZWE00000	42.50	29.87	-18.91	1.72	1.60	161.53	52.50	20.31	6.88	4.65	32.18	-27.00	85.50	60.06

LIMITATION

ANNEXE 2 - ANNEX 2 - ANEXO 2

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALS00000	-159.00	-158.56	57.52	6.27	1.52	0.93	62.53	31.32	13.00	11.20	46.66	-169.80	-158.20	9.91
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	73.92	39.05	13.00	11.20	53.24	-169.80	-158.20	10.89
GUMMRA00	-159.00	-214.55	16.73	1.69	0.99	78.62	60.93	37.79	13.00	11.20	48.16	-169.80	-158.20	21.33
HWA00000	-159.00	-157.60	20.74	1.23	1.00	156.68	58.65	36.86	13.00	11.20	69.46	-169.80	-158.20	63.94
HWL00000	-159.00	-176.58	0.08	0.80	0.80	90.00	53.61	32.64	13.00	11.20	61.97	-169.80	-158.20	69.37
JAR00000	-159.00	-160.00	-0.38	0.80	0.80	90.00	53.40	32.46	13.00	11.20	61.23	-169.80	-158.20	88.74
JON00000	-159.00	-168.50	17.00	0.80	0.80	90.00	50.70	27.55	13.00	11.20	63.47	-169.80	-158.20	67.24
MDW00000	-159.00	-177.42	28.22	0.80	0.80	90.00	50.70	27.85	13.00	11.20	61.60	-169.80	-158.20	51.30
MRL00000	-159.00	-184.72	8.73	2.33	1.45	93.55	63.59	37.40	13.00	11.20	62.09	-169.80	-158.20	52.82
PLM00000	-159.00	-161.42	7.00	0.80	0.80	90.00	53.34	32.42	13.00	11.20	67.59	-169.80	-158.20	81.28
SMA00000	-159.00	-170.70	-14.22	0.80	0.80	90.00	50.70	27.53	13.00	11.20	43.23	-169.80	-158.20	68.49
WAK00000	-159.00	-193.50	19.20	0.80	0.80	90.00	50.70	28.02	13.00	11.20	57.20	-169.80	-158.20	44.97
GTM00000	-135.70	-90.47	15.49	0.80	0.80	90.00	56.75	37.79	13.00	11.20	31.24	-139.30	-41.40	33.72
SLV0IFRB	-130.50	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	27.10	-130.50	-47.50	40.05
TON0IFRB	-128.00	-175.17	-21.17	0.80	0.80	90.00	54.21	35.25	13.00	11.20	45.50	-175.00	-126.00	31.98
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	69.54	37.68	13.00	11.20	27.70	-136.10	-61.00	39.11
SMO00000	-125.50	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	42.68	-175.00	-121.70	34.01
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	73.08	38.29	13.00	11.20	31.28	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	0.80	0.80	90.00	54.42	35.46	13.00	11.20	33.67	-130.30	-63.50	22.27
GDL00002	-115.90	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	35.07	-123.20	-81.20	25.66
GUF00002	-115.90	-53.28	4.30	0.80	0.80	90.00	55.55	36.60	13.00	11.20	40.27	-123.20	-81.20	17.64
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	67.70	35.84	13.00	11.20	52.41	-123.20	-81.20	44.85
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	60.29	31.34	13.00	11.20	23.92	-119.00	-113.70	10.17
CAN0CENT	-111.10	-96.15	51.37	4.32	2.04	155.35	64.80	33.28	13.00	11.20	30.00	-115.10	-101.00	10.24
GRD0IFRB	-104.70	-61.60	12.00	0.80	0.80	90.00	54.08	35.12	13.00	11.20	29.74	-113.00	-10.20	38.82
EQA00000	-104.00	-83.13	-1.41	3.06	1.44	173.53	64.67	37.33	13.00	11.20	40.23	-104.00	-94.10	56.41
JMC00000	-102.50	-77.59	18.18	0.80	0.80	90.00	53.93	33.58	13.00	11.20	39.66	-127.50	-27.80	54.45
BRB0IFRB	-101.00	-59.60	13.17	0.80	0.80	90.00	54.06	34.98	13.00	11.20	30.21	-110.80	-8.40	40.30
ABW00000	-98.20	-69.05	12.41	0.80	0.80	90.00	54.48	34.24	13.00	11.20	34.12	-119.40	-18.90	52.23
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	66.38	34.07	13.00	11.20	39.78	-108.00	-90.10	12.57
CTR00000	-96.00	-85.32	8.18	1.29	1.00	64.42	58.80	36.79	13.00	11.20	39.52	-125.40	-44.00	70.80
VCT0IFRB	-93.10	-61.10	13.17	0.80	0.80	90.00	53.90	33.83	13.00	11.20	32.51	-112.30	-9.90	50.10
HTI0IFRB	-92.00	-73.00	18.83	0.80	0.80	90.00	53.77	33.13	13.00	11.20	34.56	-122.90	-23.10	59.04
BLZ00000	-90.80	-88.61	17.24	0.80	0.80	90.00	54.37	33.39	13.00	11.20	32.88	-138.40	-38.70	68.24
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	67.79	37.55	13.00	11.20	38.77	-120.40	-38.20	58.99
SCN0IFRB	-88.80	-62.90	17.33	0.80	0.80	90.00	53.83	33.49	13.00	11.20	32.88	-113.20	-12.60	54.09
URG00000	-86.10	-56.26	-33.70	1.06	0.96	58.09	54.44	32.27	13.00	11.20	29.55	-108.90	-3.50	37.60
CPV0IFRB	-85.70	-24.10	16.00	0.80	0.80	90.00	50.70	29.63	13.00	11.20	34.26	-94.70	46.50	18.99
DOM0IFRB	-85.40	-70.40	18.67	0.80	0.80	90.00	53.74	32.94	13.00	11.20	29.58	-120.30	-20.50	62.17
NCG0IFRB	-84.40	-84.88	12.91	1.10	0.98	15.55	58.10	36.87	13.00	11.20	31.94	-124.40	-45.90	72.33
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	65.82	37.29	13.00	11.20	34.51	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	0.80	0.80	90.00	53.75	33.01	13.00	11.20	32.53	-102.50	-24.70	61.34
PRG00000	-81.50	-58.71	-23.10	1.52	1.27	116.22	61.00	37.25	13.00	11.20	33.11	-90.40	-23.20	47.09
CUB00000	-80.60	-79.54	21.02	1.99	0.97	171.62	61.02	35.42	13.00	11.20	30.93	-123.50	-36.10	62.58
PNR0IFRB	-79.20	-80.16	8.54	1.21	1.00	177.09	58.48	36.76	13.00	11.20	30.33	-120.00	-40.40	78.04
ATG0IFRB	-77.70	-61.80	17.00	0.80	0.80	90.00	53.73	32.92	13.00	11.20	31.61	-112.20	-11.40	62.94
SUR0IFRB	-77.00	-55.63	3.93	0.96	0.95	37.37	57.34	36.85	13.00	11.20	29.15	-97.00	-15.00	62.27
HND00000	-76.20	-86.11	15.42	1.35	1.00	26.04	59.10	36.90	13.00	11.20	31.10	-123.80	-48.10	66.37
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	69.90	31.57	13.00	11.20	31.59	-96.40	-53.60	11.48
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.00	132.91	60.11	35.53	13.00	11.20	31.38	-121.10	-32.20	57.33
TRD00000	-73.40	-61.09	10.83	0.80	0.80	90.00	53.67	32.71	13.00	11.20	28.85	-112.30	-9.90	70.23
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	68.00	37.37	13.00	11.20	31.07	-110.10	-39.90	70.19

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DMA0IFRB	-69.60	-61.30	15.33	0.80	0.80	90.00	53.62	32.65	13.00	11.20	29.23	-112.10	-10.50	69.59
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	69.78	37.78	13.00	11.20	28.36	-70.00	-60.10	47.43
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	70.72	37.59	13.00	11.20	27.35	-70.00	-60.10	69.00
PTC00000	-62.00	-130.10	-25.07	0.80	0.80	90.00	50.70	28.49	13.00	11.20	34.74	-62.60	-58.50	11.22
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	71.28	37.63	13.00	11.20	30.29	-70.00	-60.10	56.25
SRL0IFRB	-51.80	-11.90	8.50	0.80	0.80	90.00	54.02	34.64	13.00	11.20	33.08	-63.80	40.00	43.01
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	70.32	38.10	13.00	11.20	40.79	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.32	153.53	59.49	31.39	13.00	11.20	37.77	-58.40	-51.00	7.80
DNK00002	-49.00	12.48	56.29	0.80	0.80	90.00	52.70	32.35	13.00	11.20	36.07	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	0.80	0.80	90.00	50.70	30.47	13.00	11.20	37.92	-50.00	-43.10	11.41
GRL00000	-49.00	-42.91	68.57	2.31	1.00	174.47	57.57	32.23	13.00	11.20	40.11	-50.00	-43.10	3.06
SEN00000	-48.40	-13.99	14.06	1.15	0.97	148.19	58.55	36.15	13.00	11.20	36.69	-64.40	34.30	45.07
LBR00000	-41.80	-8.94	6.50	0.80	0.80	90.00	56.86	37.90	13.00	11.20	40.47	-50.40	35.50	49.57
AND00000	-41.00	1.53	42.52	0.80	0.80	90.00	50.70	30.05	13.00	11.20	33.32	-48.60	51.70	25.03
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	60.33	32.71	13.00	11.20	28.24	-54.50	64.60	25.60
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	62.97	31.36	13.00	11.20	34.24	-38.50	-27.10	39.69
BERCAYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	68.28	38.13	13.00	11.20	45.14	-38.50	-27.10	35.55
FLKSTGGL	-37.10	-46.81	-59.57	3.73	1.43	170.47	59.96	31.32	13.00	11.20	33.81	-38.50	-27.10	5.08
G 00000	-37.10	-4.15	53.88	1.61	1.00	151.35	56.19	32.22	13.00	11.20	31.85	-38.50	-27.10	14.76
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.36	78.07	62.01	34.14	13.00	11.20	37.15	-37.20	74.10	21.20
ISL00000	-35.50	-18.17	64.94	0.80	0.80	90.00	52.34	32.50	13.00	11.20	31.52	-53.00	14.80	13.77
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	65.22	37.54	13.00	11.20	39.81	-97.30	-23.20	44.96
GMB00000	-34.00	-16.40	13.40	0.80	0.80	90.00	50.70	28.99	13.00	11.20	26.11	-77.30	44.50	64.24
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	64.33	33.38	13.00	11.20	31.13	-45.30	52.00	28.89
GNE0IFRB	-32.30	10.50	1.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.97	-32.80	53.80	40.58
DNK00001	-32.00	10.83	55.87	0.80	0.80	90.00	51.61	31.82	13.00	11.20	26.60	-40.80	62.20	14.33
BEN00000	-30.60	2.28	9.30	1.23	1.00	89.43	58.80	37.01	13.00	11.20	34.64	-40.20	44.70	48.37
I 00000	-28.80	11.17	40.93	2.11	1.00	140.41	59.39	33.69	13.00	11.20	29.03	-32.90	54.10	22.44
GUY00000	-24.10	-59.18	4.73	1.39	1.00	93.91	59.51	37.18	13.00	11.20	43.19	-100.10	-18.30	46.47
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	61.03	31.63	13.00	11.20	33.57	-72.80	44.20	54.31
HNG00000	-22.10	19.17	47.13	0.80	0.80	90.00	52.71	32.27	13.00	11.20	28.64	-22.20	62.40	20.08
TGO00000	-21.10	0.83	8.58	1.12	1.00	116.38	58.19	36.80	13.00	11.20	35.28	-41.00	43.40	61.36
LBN00000	-19.30	35.80	33.83	0.80	0.80	90.00	50.70	29.49	13.00	11.20	38.35	-31.60	103.20	20.22
LSO0IFRB	-18.70	28.40	-29.50	0.80	0.80	90.00	50.70	28.93	13.00	11.20	40.43	-40.10	96.90	28.72
DJI0IFRB	-18.30	42.60	11.67	0.80	0.80	90.00	50.70	29.49	13.00	11.20	37.03	-28.40	113.60	20.29
AUT00000	-17.10	13.66	47.65	0.80	0.80	90.00	53.05	32.86	13.00	11.20	26.67	-18.60	46.40	25.75
COG0IFRB	-16.00	14.79	-0.55	2.00	1.09	63.46	61.61	37.33	13.00	11.20	37.47	-24.70	56.50	49.72
TCH00000	-12.70	17.32	49.59	1.25	1.00	165.56	55.77	32.65	13.00	11.20	29.59	-21.30	54.40	24.43
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	65.93	35.80	13.00	11.20	38.22	-36.50	67.50	45.39
SUI00000	-8.60	8.16	46.49	0.80	0.80	90.00	50.70	30.61	13.00	11.20	26.20	-20.00	35.00	32.63
AZR00000	-7.30	-28.01	38.69	0.80	0.80	90.00	52.12	32.09	13.00	11.20	45.04	-41.90	6.70	38.12
MDR00000	-7.30	-16.16	31.56	0.80	0.80	90.00	50.70	29.54	13.00	11.20	38.75	-41.90	6.70	50.28
POR00000	-7.30	-8.00	39.65	0.80	0.80	90.00	51.78	31.80	13.00	11.20	37.13	-41.90	6.70	41.62
ATN00000	-5.70	-65.62	15.09	1.31	1.00	55.03	59.77	37.70	13.00	11.20	34.50	-50.10	1.90	17.72
HOL00000	-5.70	5.35	52.44	0.80	0.80	90.00	50.70	29.17	13.00	11.20	26.18	-50.10	1.90	27.32
TUN00000	-4.60	9.28	33.46	1.31	1.00	101.03	54.98	31.84	13.00	11.20	30.38	-29.00	48.40	43.84
BDI00000	-3.00	29.94	-3.40	0.80	0.80	90.00	50.70	30.12	13.00	11.20	31.94	-30.50	90.40	50.10
CYP00000	-2.60	33.20	35.10	0.80	0.80	90.00	50.70	30.20	13.00	11.20	27.89	-21.50	87.90	34.41
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	67.19	35.16	13.00	11.20	36.33	-59.90	43.30	60.62
F 00000	-0.10	3.11	45.89	2.13	1.11	167.72	59.81	33.67	13.00	11.20	33.85	-13.90	5.70	31.57
GDL00000	-0.10	-61.96	16.31	0.80	0.80	90.00	55.81	36.85	13.00	11.20	30.78	-13.90	5.70	17.29
GUF00000	-0.10	-53.17	4.30	0.80	0.80	90.00	55.34	36.38	13.00	11.20	40.04	-13.90	5.70	28.24

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MYT00000	-0.10	45.20	-12.83	0.80	0.80	90.00	54.13	35.17	13.00	11.20	39.87	-13.90	5.70	36.27
REU00000	-0.10	55.56	-21.12	0.80	0.80	90.00	54.42	35.46	13.00	11.20	42.72	-13.90	5.70	23.30
SPM00000	-0.10	-56.40	46.96	0.80	0.80	90.00	53.47	32.55	13.00	11.20	41.18	-13.90	5.70	13.76
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	64.67	34.49	13.00	11.20	37.38	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	60.52	31.05	13.00	11.20	33.77	-7.00	15.00	42.79
ALB00000	2.40	19.99	41.11	0.80	0.80	90.00	52.36	31.88	13.00	11.20	31.70	-29.90	69.80	37.73
NOR00000	3.90	11.71	64.57	1.97	1.00	16.53	57.08	32.34	13.00	11.20	33.04	2.90	29.10	3.05
CTI00000	4.60	-5.85	7.82	1.36	1.24	66.43	60.02	36.86	13.00	11.20	31.30	-15.00	27.10	71.21
MLT00000	5.60	14.36	35.93	0.80	0.80	90.00	50.70	29.58	13.00	11.20	33.63	-39.80	68.50	47.17
RRW00000	6.80	29.73	-1.89	0.80	0.80	90.00	50.70	29.18	13.00	11.20	35.18	-30.90	90.80	61.71
LIE00000	7.90	9.50	47.20	0.80	0.80	90.00	50.70	28.80	13.00	11.20	28.77	-30.00	15.00	35.73
QAT00000	8.30	51.58	25.44	0.80	0.80	90.00	50.70	28.54	13.00	11.20	33.56	-16.90	120.00	32.91
TUR00000	9.40	34.11	38.87	2.80	1.00	170.97	60.95	34.00	13.00	11.20	32.44	7.10	61.60	31.45
BFA00000	10.20	-1.45	12.23	1.74	1.00	23.58	60.35	35.02	13.00	11.20	30.48	-54.60	46.20	67.27
S 00000	11.30	16.68	60.88	1.13	0.99	29.57	53.59	31.45	13.00	11.20	29.42	-7.00	47.10	12.20
CNR00000	12.20	-15.86	28.51	0.80	0.80	90.00	50.70	30.76	13.00	11.20	36.95	-31.10	24.20	42.91
E 00002	12.20	-2.98	39.86	2.08	1.21	7.95	58.18	32.19	13.00	11.20	35.20	-31.10	24.20	35.72
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	60.24	30.47	13.00	11.20	34.09	-45.40	82.50	55.61
GRC00000	14.20	24.71	38.27	1.71	1.03	158.13	58.29	33.42	13.00	11.20	26.27	-8.90	56.80	40.24
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	64.74	37.18	13.00	11.20	33.79	-24.80	57.60	73.76
IRL00000	15.20	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	31.07	-41.00	25.70	23.69
GHA00000	16.00	-1.28	7.71	1.50	1.07	90.15	59.94	36.99	13.00	11.20	32.99	-41.70	39.30	64.57
POL00000	16.30	19.21	51.75	1.25	0.98	165.27	53.77	31.25	13.00	11.20	26.35	-14.80	56.40	27.44
MDG0IFRB	16.80	46.60	-18.69	2.58	1.00	66.24	62.51	37.50	13.00	11.20	46.36	10.40	81.10	45.48
LUX00000	19.20	6.16	49.69	0.80	0.80	90.00	50.70	28.44	13.00	11.20	31.15	-53.90	66.10	31.14
BOT00000	19.90	23.99	-21.77	1.54	1.51	93.77	54.89	29.95	13.00	11.20	30.96	-41.70	89.90	59.11
BHR00000	20.40	50.60	26.07	0.80	0.80	90.00	50.70	27.78	13.00	11.20	29.24	-18.60	119.80	44.77
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	64.83	37.25	13.00	11.20	35.99	-27.30	51.20	73.08
SMR00000	22.40	12.46	43.95	0.80	0.80	90.00	50.70	29.72	13.00	11.20	29.50	-36.40	61.40	38.34
IRN00000	25.80	54.27	32.98	3.67	1.55	143.55	62.04	32.50	13.00	11.20	36.96	-20.10	50.00	33.68
D 00000	26.40	9.72	50.70	1.08	0.97	41.25	53.17	31.31	13.00	11.20	27.12	-30.40	53.10	25.20
YEM0IFRB	27.00	44.21	15.06	1.00	0.98	102.87	51.05	29.80	13.00	11.20	31.69	-24.30	113.20	60.40
GUI0IFRB	27.50	-10.87	10.20	1.26	1.10	103.62	59.44	37.12	13.00	11.20	39.79	-51.80	33.80	39.68
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	63.13	32.20	13.00	11.20	35.90	-19.20	54.90	47.46
MWI0IFRB	29.70	34.15	13.30	1.55	1.00	101.44	54.20	30.69	13.00	11.20	31.90	-25.00	93.70	68.37
YUG00000	31.20	18.47	44.26	1.27	1.00	160.61	55.62	32.50	13.00	11.20	30.34	-25.80	60.20	33.83
UGA0IFRB	32.30	32.17	0.95	1.47	1.02	69.56	54.56	31.05	13.00	11.20	31.62	-27.20	91.60	84.88
MRC00000	32.70	-8.86	27.94	3.39	1.00	44.55	60.40	32.98	13.00	11.20	37.13	-50.50	37.50	29.66
SWZ00000	33.10	31.29	-26.35	0.80	0.80	90.00	50.70	29.06	13.00	11.20	33.45	-26.80	89.20	58.54
STP0IFRB	33.40	7.00	1.00	0.80	0.80	90.00	53.77	33.10	13.00	11.20	32.28	-45.40	59.40	59.14
KWT00000	34.60	47.65	29.07	0.80	0.80	90.00	50.70	28.40	13.00	11.20	29.81	-20.20	115.30	52.11
CVA00000	35.40	12.50	41.88	0.80	0.80	90.00	50.70	29.95	13.00	11.20	30.09	-38.10	63.10	36.31
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.55	25.92	58.01	30.73	13.00	11.20	31.20	-27.90	82.50	64.58
GNB0IFRB	36.70	-15.40	12.00	0.80	0.80	90.00	51.24	30.86	13.00	11.20	31.95	-76.50	45.70	29.36
DDR00000	38.70	12.60	51.36	0.80	0.80	90.00	51.91	32.12	13.00	11.20	31.45	-26.80	51.70	23.40
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	65.19	35.36	13.00	11.20	37.10	34.10	62.00	30.87
GAB0IFRB	39.90	11.70	-0.74	1.35	1.04	79.25	59.37	37.00	13.00	11.20	27.79	-29.20	52.00	53.71
MCO00000	41.40	7.40	43.67	0.80	0.80	90.00	52.95	32.16	13.00	11.20	33.73	-41.80	56.60	29.27
NIG00000	42.00	7.85	9.80	2.48	1.58	44.10	64.39	37.56	13.00	11.20	32.98	-29.60	49.60	43.99
ZWE00000	42.50	29.87	-18.91	1.72	1.26	161.53	55.32	30.52	13.00	11.20	27.01	-27.00	85.50	60.06
ROU00000	44.10	25.38	45.58	1.41	0.98	0.65	55.75	32.33	13.00	11.20	29.27	-1.00	51.00	30.82
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	61.74	30.53	13.00	11.20	31.29	20.10	60.00	51.82

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FNL00000	46.80	23.79	64.34	1.48	1.00	23.28	54.73	31.45	13.00	11.20	31.72	7.10	46.80	10.01
BUL00000	50.40	25.55	42.75	0.80	0.80	90.00	53.10	33.00	13.00	11.20	26.66	-20.60	71.50	32.09
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	69.94	37.72	13.00	11.20	42.66	-23.60	62.60	44.49
IRQ00000	51.70	44.25	33.13	1.81	1.27	165.93	57.01	31.59	13.00	11.20	28.13	5.10	82.50	46.12
BEL00000	52.60	5.16	50.62	0.80	0.80	90.00	50.70	29.77	13.00	11.20	33.61	-53.60	62.00	15.39
AFG00000	53.60	66.55	33.91	2.34	1.27	16.10	56.92	30.76	13.00	11.20	26.31	42.30	95.80	41.33
CYPSBA00	56.60	32.95	34.58	0.80	0.80	90.00	50.70	29.81	13.00	11.20	30.21	44.70	59.20	42.56
GIB00000	56.60	-5.35	36.15	0.80	0.80	90.00	54.13	33.02	13.00	11.20	39.98	44.70	59.20	13.88
HKG00000	56.60	114.50	22.42	0.80	0.80	90.00	54.42	35.46	13.00	11.20	38.63	44.70	59.20	21.33
ETH00001	57.70	40.63	10.34	2.81	2.75	63.71	62.00	31.41	13.00	11.20	32.25	-4.00	85.00	59.00
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	68.80	33.85	13.00	11.20	36.12	56.70	65.40	8.50
BTN0IFRB	63.00	90.38	27.00	0.80	0.80	90.00	50.70	30.67	13.00	11.20	27.74	34.30	146.60	44.71
SYR00000	64.30	39.24	34.64	1.36	0.96	31.73	55.39	32.21	13.00	11.20	26.33	10.10	70.00	38.58
EGY00000	68.30	30.29	26.22	2.31	1.55	53.82	58.29	31.18	13.00	11.20	27.75	-10.30	69.50	30.96
TZA0IFRB	69.50	35.43	-5.93	2.41	1.43	117.15	59.62	32.25	13.00	11.20	33.04	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.11	0.99	12.14	51.20	29.58	13.00	11.20	28.22	-12.70	120.30	53.90
AFS00000	71.00	27.19	-30.05	5.32	1.43	128.26	64.21	33.27	13.00	11.20	37.89	-25.80	84.20	22.24
ISR00000	73.00	35.04	31.32	0.80	0.80	90.00	54.54	33.71	13.00	11.20	26.83	-8.00	78.40	34.21
IND00000	74.00	82.66	18.94	6.19	4.91	120.21	73.49	37.76	13.00	11.20	37.24	51.30	116.40	47.01
KEN00000	78.20	38.45	0.81	2.07	1.32	95.27	58.84	32.41	13.00	11.20	27.45	-10.40	86.30	38.89
MLA00000	78.50	108.21	4.68	3.16	1.39	0.42	64.98	37.65	13.00	11.20	29.54	76.40	143.20	42.40
JOR00000	85.50	36.39	31.11	0.80	0.80	90.00	51.53	31.77	13.00	11.20	33.53	-28.80	102.90	24.76
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	72.38	33.85	13.00	11.20	31.21	87.70	98.00	7.06
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.05	98.03	64.07	38.05	13.00	11.20	34.25	-10.60	90.60	21.83
PHL0IFRB	89.60	121.25	11.35	3.33	1.53	100.96	65.70	37.73	13.00	11.20	32.47	83.00	159.80	45.90
MAU0IFRB	92.20	57.50	-20.17	0.80	0.80	90.00	54.00	34.44	13.00	11.20	45.63	8.00	107.00	44.30
COM0IFRB	94.50	44.10	-12.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	31.37	-7.30	95.50	31.11
CBG0IFRB	96.10	105.06	12.85	1.18	1.00	35.40	58.42	36.80	13.00	11.20	33.75	61.20	144.20	68.33
SEY0IFRB	96.50	55.40	-4.50	0.80	0.80	90.00	54.01	34.76	13.00	11.20	39.59	3.10	107.70	42.28
SNG00000	98.10	103.85	1.28	0.80	0.80	90.00	53.60	34.64	13.00	11.20	29.25	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.00	72.34	60.13	33.10	13.00	11.20	34.95	-20.00	102.70	24.66
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	74.49	36.84	13.00	11.20	34.40	90.40	139.40	25.55
OMA00000	104.00	55.09	21.60	1.94	1.00	60.61	54.95	30.70	13.00	11.20	26.43	-9.80	122.20	27.93
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	68.18	37.43	13.00	11.20	27.88	85.10	125.00	62.78
YMS00000	108.00	49.91	14.76	1.36	1.00	52.87	55.21	31.97	13.00	11.20	28.95	-16.40	114.40	16.47
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	65.49	37.48	13.00	11.20	26.02	57.60	131.00	53.98
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	39.35	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	39.76	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	32.85	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.66	35.50	13.00	11.20	41.12	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	33.23	113.00	114.30	10.03
MNG00000	113.60	103.75	46.82	3.64	1.15	2.57	60.55	32.41	13.00	11.20	29.44	60.40	148.90	28.71
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	74.58	37.62	13.00	11.20	33.20	101.10	135.00	58.31
KOR00000	116.20	127.68	36.17	1.25	0.98	3.57	56.61	33.31	13.00	11.20	27.89	83.00	169.60	43.61
MAC00000	117.00	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	27.01	64.70	162.40	63.75
MLD0IFRB	117.60	73.40	2.48	2.21	0.80	88.03	60.98	37.61	13.00	11.20	30.71	21.10	124.90	37.92
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	64.93	37.40	13.00	11.20	28.12	58.60	137.20	55.69
CLN00000	121.50	80.09	7.67	0.80	0.80	90.00	54.40	35.25	13.00	11.20	32.36	28.10	131.90	41.35
NPL0IFRB	123.30	84.40	27.96	0.80	0.80	90.00	53.69	33.41	13.00	11.20	33.15	30.30	137.60	32.52
BGD00000	133.00	90.16	23.96	0.80	0.80	90.00	57.03	38.07	13.00	11.20	37.46	44.60	135.50	32.17
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	69.09	37.50	13.00	11.20	36.55	75.00	151.30	50.09
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	68.73	33.85	13.00	11.20	31.79	138.50	140.60	6.02

INFORMATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LAO0IFRB	142.00	104.11	18.15	1.54	1.00	101.34	60.16	37.39	13.00	11.20	30.77	56.60	149.90	37.68
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	74.28	37.91	13.00	11.20	41.92	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.56	1.00	15.32	57.97	33.55	13.00	11.20	42.88	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.15	1.00	15.16	53.97	31.52	13.00	11.20	36.22	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	0.80	0.80	90.00	50.70	27.71	13.00	11.20	38.72	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	0.80	0.80	90.00	50.70	28.18	13.00	11.20	47.10	122.36	148.10	11.04
KRE00000	145.00	127.80	39.82	1.41	1.00	14.40	59.68	36.68	13.00	11.20	27.36	110.10	150.00	38.11
NRU0IFRB	146.00	166.90	-0.50	0.80	0.80	90.00	53.70	32.79	13.00	11.20	35.34	114.50	179.00	65.50
SLM0IFRB	147.50	158.99	-9.05	1.53	1.00	147.14	59.73	36.98	13.00	11.20	30.23	120.40	179.00	68.27
FJI0IFRB	148.80	178.50	-17.17	0.80	0.80	90.00	53.90	33.78	13.00	11.20	36.84	128.20	179.00	50.58
KIR0IFRB	150.00	173.00	1.00	0.80	0.80	90.00	53.73	32.91	13.00	11.20	37.77	120.60	179.00	63.05
VUT0IFRB	150.70	168.41	-17.16	1.17	1.00	121.88	98.48	36.90	13.00	11.20	35.06	127.40	179.00	58.03
NZL00001	152.00	170.92	-44.80	5.35	1.01	48.53	62.85	33.49	13.00	11.20	30.80	150.90	175.00	3.06
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	66.29	37.98	13.00	11.20	34.97	150.90	175.00	29.33
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	72.05	37.20	13.00	11.20	37.55	94.40	170.90	36.55
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	66.94	37.28	13.00	11.20	34.11	114.20	179.00	71.27
BRU0IFRB	157.30	114.60	4.50	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.87	71.50	157.70	40.51
TUV00000	158.00	179.16	-8.50	0.80	0.80	90.00	53.75	32.92	13.00	11.20	43.03	127.30	179.00	63.33

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ABW00000	-98.20	-69.05	12.41	0.80	0.80	90.00	54.48	34.24	13.00	11.20	34.12	-119.40	-18.90	52.23
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	39.35	113.00	114.30	12.16
AFG00000	53.60	66.55	33.91	2.34	1.27	16.10	56.92	30.76	13.00	11.20	26.31	42.30	95.80	41.33
AFS00000	71.00	27.19	-30.05	5.32	1.43	128.26	64.21	33.27	13.00	11.20	37.89	-25.80	84.20	22.24
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.36	78.07	62.01	34.14	13.00	11.20	37.15	-37.20	74.10	21.20
ALB00000	2.40	19.99	41.11	0.80	0.80	90.00	52.36	31.88	13.00	11.20	31.70	-29.90	69.80	37.73
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	64.33	33.38	13.00	11.20	31.13	-45.30	52.00	28.89
ALS00000	-159.00	-158.56	57.52	6.27	1.52	0.93	62.53	31.32	13.00	11.20	46.66	-169.80	-158.20	9.91
AND00000	-41.00	1.53	42.52	0.80	0.80	90.00	50.70	30.05	13.00	11.20	33.32	-48.60	51.70	25.03
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	70.32	38.10	13.00	11.20	40.79	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.32	153.53	59.49	31.39	13.00	11.20	37.77	-58.40	-51.00	7.80
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	61.74	30.53	13.00	11.20	31.29	20.10	60.00	51.82
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	62.97	31.36	13.00	11.20	34.24	-38.50	-27.10	39.69
ATG0IFRB	-77.70	-61.80	17.00	0.80	0.80	90.00	53.73	32.92	13.00	11.20	31.61	-112.20	-11.40	62.94
ATN00000	-5.70	-65.62	15.09	1.31	1.00	55.03	59.77	37.70	13.00	11.20	34.50	-50.10	1.90	17.72
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	74.28	37.91	13.00	11.20	41.92	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.56	1.00	15.32	57.97	33.55	13.00	11.20	42.88	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.15	1.00	15.16	53.97	31.52	13.00	11.20	36.22	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	0.80	0.80	90.00	50.70	27.71	13.00	11.20	38.72	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	0.80	0.80	90.00	50.70	28.18	13.00	11.20	47.10	122.36	148.10	11.04
AUT00000	-17.10	13.66	47.65	0.80	0.80	90.00	53.05	32.86	13.00	11.20	26.67	-18.60	46.40	25.75
AZR00000	-7.30	-28.01	38.69	0.80	0.80	90.00	52.12	32.09	13.00	11.20	45.04	-41.90	6.70	38.12
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	70.72	37.59	13.00	11.20	27.35	-70.00	-60.10	69.00
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	71.28	37.63	13.00	11.20	30.29	-70.00	-60.10	56.25
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	69.78	37.78	13.00	11.20	28.36	-70.00	-60.10	47.43
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.00	132.91	60.11	35.53	13.00	11.20	31.38	-121.10	-32.20	57.33
BDI00000	-3.00	29.94	-3.40	0.80	0.80	90.00	50.70	30.12	13.00	11.20	31.94	-30.50	90.40	50.10
BEL00000	52.60	5.16	50.62	0.80	0.80	90.00	50.70	29.77	13.00	11.20	33.61	-53.60	62.00	15.39
BEN00000	-30.60	2.28	9.30	1.23	1.00	89.43	58.80	37.01	13.00	11.20	34.64	-40.20	44.70	48.37
BERCAYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	68.28	38.13	13.00	11.20	45.14	-38.50	-27.10	35.55
BFA00000	10.20	-1.45	12.23	1.74	1.00	23.58	60.35	35.02	13.00	11.20	30.48	-54.60	46.20	67.27
BGD00000	133.00	90.16	23.96	0.80	0.80	90.00	57.03	38.07	13.00	11.20	37.46	44.60	135.50	32.17
BHR00000	20.40	50.60	26.07	0.80	0.80	90.00	50.70	27.78	13.00	11.20	29.24	-18.60	119.80	44.77
BLZ00000	-90.80	-88.61	17.24	0.80	0.80	90.00	54.37	33.39	13.00	11.20	32.88	-138.40	-38.70	68.24
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	65.22	37.54	13.00	11.20	39.81	-97.30	-23.20	44.96
BOT00000	19.90	23.99	-21.77	1.54	1.51	93.77	54.89	29.95	13.00	11.20	30.96	-41.70	89.90	59.11
BRB0IFRB	-101.00	-59.60	13.17	0.80	0.80	90.00	54.06	34.98	13.00	11.20	30.21	-110.80	-8.40	40.30
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	65.49	37.48	13.00	11.20	26.02	57.60	131.00	53.98
BRU0IFRB	157.30	114.60	4.50	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.87	71.50	157.70	40.51
BTN0IFRB	63.00	90.38	27.00	0.80	0.80	90.00	50.70	30.67	13.00	11.20	27.74	34.30	146.60	44.71
BUL00000	50.40	25.55	42.75	0.80	0.80	90.00	53.10	33.00	13.00	11.20	26.66	-20.60	71.50	32.09
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	64.74	37.18	13.00	11.20	33.79	-24.80	57.60	73.76
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	66.38	34.07	13.00	11.20	39.78	-108.00	-90.10	12.57
CAN0CENT	-111.10	-96.15	51.37	4.32	2.04	155.35	64.80	33.28	13.00	11.20	30.00	-115.10	-101.00	10.24
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	60.29	31.34	13.00	11.20	23.92	-119.00	-113.70	10.17
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	73.92	39.05	13.00	11.20	53.24	-169.80	-158.20	10.89
CBG0IFRB	96.10	105.06	12.85	1.18	1.00	35.40	58.42	36.80	13.00	11.20	33.75	61.20	144.20	68.33
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	69.90	31.57	13.00	11.20	31.59	-96.40	-53.60	11.48
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	74.49	36.84	13.00	11.20	34.40	90.40	139.40	25.55
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	69.09	37.50	13.00	11.20	36.55	75.00	151.30	50.09
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	68.00	37.37	13.00	11.20	31.07	-110.10	-39.90	70.19
CLN00000	121.50	80.09	7.67	0.80	0.80	90.00	54.40	35.25	13.00	11.20	32.36	28.10	131.90	41.35

INTELSAT OFFICIAL USE ONLY

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	64.83	37.25	13.00	11.20	35.99	-27.30	51.20	73.08
CNR00000	12.20	-15.86	28.51	0.80	0.80	90.00	50.70	30.76	13.00	11.20	36.95	-31.10	24.20	42.91
COG0IFRB	-16.00	14.79	-0.55	2.00	1.09	63.46	61.61	37.33	13.00	11.20	37.47	-24.70	56.50	49.72
COM0IFRB	94.50	44.10	-12.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	31.37	-7.30	95.50	31.11
CPV0IFRB	-85.70	-24.10	16.00	0.80	0.80	90.00	50.70	29.63	13.00	11.20	34.26	-94.70	46.50	18.99
CTI00000	4.60	-5.85	7.82	1.36	1.24	66.43	60.02	36.86	13.00	11.20	31.30	-15.00	27.10	71.21
CTR00000	-96.00	-85.32	8.18	1.29	1.00	64.42	58.80	36.79	13.00	11.20	39.52	-125.40	-44.00	70.80
CUB00000	-80.60	-79.54	21.02	1.99	0.97	171.62	61.02	35.42	13.00	11.20	30.93	-123.50	-36.10	62.58
CVA00000	35.40	12.50	41.88	0.80	0.80	90.00	50.70	29.95	13.00	11.20	30.09	-38.10	63.10	36.31
CYP00000	-2.60	33.20	35.10	0.80	0.80	90.00	50.70	30.20	13.00	11.20	27.89	-21.50	87.90	34.41
CYPSBA00	56.60	32.95	34.58	0.80	0.80	90.00	50.70	29.81	13.00	11.20	30.21	44.70	59.20	42.56
D 00000	26.40	9.72	50.70	1.08	0.97	41.25	53.17	31.31	13.00	11.20	27.12	-30.40	53.10	25.20
DDR00000	38.70	12.60	51.36	0.80	0.80	90.00	51.91	32.12	13.00	11.20	31.45	-26.80	51.70	23.40
DJI0IFRB	-18.30	42.60	11.67	0.80	0.80	90.00	50.70	29.49	13.00	11.20	37.03	-28.40	113.60	20.29
DMA0IFRB	-69.60	-61.30	15.33	0.80	0.80	90.00	53.62	32.65	13.00	11.20	29.23	-112.10	-10.50	69.59
DNK00001	-32.00	10.83	55.87	0.80	0.80	90.00	51.61	31.82	13.00	11.20	26.60	-40.80	62.20	14.33
DNK00002	-49.00	12.48	56.29	0.80	0.80	90.00	52.70	32.35	13.00	11.20	36.07	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	0.80	0.80	90.00	50.70	30.47	13.00	11.20	37.92	-50.00	-43.10	11.41
DOM0IFRB	-85.40	-70.40	18.67	0.80	0.80	90.00	53.74	32.94	13.00	11.20	29.58	-120.30	-20.50	62.17
E 00002	12.20	-2.98	39.86	2.08	1.21	7.95	58.18	32.19	13.00	11.20	35.20	-31.10	24.20	35.72
EGY00000	68.30	30.29	26.22	2.31	1.55	53.82	58.29	31.18	13.00	11.20	27.75	-10.30	69.50	30.96
EQA00000	-104.00	-83.13	-1.41	3.06	1.44	173.53	64.67	37.33	13.00	11.20	40.23	-104.00	-94.10	56.41
ETH00000	57.70	40.63	10.34	2.81	2.75	63.71	62.00	31.41	13.00	11.20	32.25	-4.00	85.00	59.00
F 00000	-0.10	3.11	45.89	2.13	1.11	167.72	59.81	33.67	13.00	11.20	33.85	-13.90	5.70	31.57
FJI0IFRB	148.80	178.50	-17.17	0.80	0.80	90.00	53.90	33.78	13.00	11.20	36.84	128.20	179.00	50.58
FLKSTGGL	-37.10	-46.81	-59.57	3.73	1.43	170.47	59.96	31.32	13.00	11.20	33.81	-38.50	-27.10	5.08
FNL00000	46.80	23.79	64.34	1.48	1.00	23.28	54.73	31.45	13.00	11.20	31.72	7.10	46.80	10.01
G 00000	-37.10	-4.15	53.88	1.61	1.00	151.35	56.19	32.22	13.00	11.20	31.85	-38.50	-27.10	14.76
GAB0IFRB	39.90	11.70	-0.74	1.35	1.04	79.25	59.37	37.00	13.00	11.20	27.79	-29.20	52.00	53.71
GDL00000	-0.10	-61.96	16.31	0.80	0.80	90.00	55.81	36.85	13.00	11.20	30.78	-13.90	5.70	17.29
GDL00002	-115.90	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	35.07	-123.20	-81.20	25.66
GHA00000	16.00	-1.28	7.71	1.50	1.07	90.15	59.94	36.99	13.00	11.20	32.99	-41.70	39.30	64.57
GIB00000	56.60	-5.35	36.15	0.80	0.80	90.00	54.13	33.02	13.00	11.20	39.98	44.70	59.20	13.88
GMB00000	-34.00	-16.40	13.40	0.80	0.80	90.00	50.70	28.99	13.00	11.20	26.11	-77.30	44.50	64.24
GNB0IFRB	36.70	-15.40	12.00	0.80	0.80	90.00	51.24	30.86	13.00	11.20	31.95	-76.50	45.70	29.36
GNE0IFRB	-32.30	10.50	1.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.97	-32.80	53.80	40.58
GRC00000	14.20	24.71	38.27	1.71	1.03	158.13	58.29	33.42	13.00	11.20	26.27	-8.90	56.80	40.24
GRD0IFRB	-104.70	-61.60	12.00	0.80	0.80	90.00	54.08	35.12	13.00	11.20	29.74	-113.00	-10.20	38.82
GRL00000	-49.00	-42.91	68.57	2.31	1.00	174.47	57.57	32.23	13.00	11.20	40.11	-50.00	-43.10	3.06
GTM00000	-135.70	-90.47	15.49	0.80	0.80	90.00	56.75	37.79	13.00	11.20	31.24	-139.30	-41.40	33.72
GUF00000	-0.10	-53.17	4.30	0.80	0.80	90.00	55.34	36.38	13.00	11.20	40.06	-13.90	5.70	28.24
GUF00002	-115.90	-53.28	4.30	0.80	0.80	90.00	55.55	36.60	13.00	11.20	40.27	-123.20	-81.20	17.64
GUI0IFRB	27.50	-10.87	10.20	1.26	1.10	103.62	59.44	37.12	13.00	11.20	39.79	-51.80	33.80	39.68
GUMMRA00	-159.00	-214.55	16.73	1.69	0.99	78.62	60.93	37.79	13.00	11.20	48.16	-169.80	-158.20	21.33
GUY00000	-24.10	-59.18	4.73	1.39	1.00	93.91	59.51	37.18	13.00	11.20	43.19	-100.10	-18.30	46.47
HKG00000	56.60	114.50	22.42	0.80	0.80	90.00	54.42	35.46	13.00	11.20	38.63	44.70	59.20	21.33
HND00000	-76.20	-86.11	15.42	1.35	1.00	26.04	59.10	36.90	13.00	11.20	31.10	-123.80	-48.10	66.37
HNG00000	-22.10	19.17	47.13	0.80	0.80	90.00	52.71	32.27	13.00	11.20	28.64	-22.20	62.40	20.08
HOL00000	-5.70	5.35	52.44	0.80	0.80	90.00	50.70	29.17	13.00	11.20	26.18	-50.10	1.90	27.32
HTI0IFRB	-92.00	-73.00	18.83	0.80	0.80	90.00	53.77	33.13	13.00	11.20	34.56	-122.90	-23.10	59.04
HWA00000	-159.00	-157.60	20.74	1.23	1.00	156.68	58.65	36.86	13.00	11.20	69.46	-169.80	-158.20	63.94
HWL00000	-159.00	-176.58	0.08	0.80	0.80	90.00	53.61	32.64	13.00	11.20	61.97	-169.80	-158.20	69.37

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I 00000	-28.80	11.17	40.93	2.11	1.00	140.41	59.39	33.69	13.00	11.20	29.03	-32.90	54.10	22.44
IND00000	74.00	82.66	18.94	6.19	4.91	120.21	73.49	37.76	13.00	11.20	37.24	51.30	116.40	47.01
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	74.58	37.62	13.00	11.20	33.20	101.10	135.00	58.31
IRL00000	15.20	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	31.07	-41.00	25.70	23.69
IRN00000	25.80	54.27	32.98	3.67	1.55	143.55	62.04	32.50	13.00	11.20	36.94	20.10	50.00	33.68
IRQ00000	51.70	44.25	33.13	1.81	1.27	165.93	57.01	31.59	13.00	11.20	28.13	5.10	82.50	46.12
ISL00000	-35.50	-18.17	64.96	0.80	0.80	90.00	52.34	32.50	13.00	11.20	31.52	-53.00	14.80	13.77
ISR00000	73.00	35.04	31.32	0.80	0.80	90.00	54.54	33.71	13.00	11.20	26.83	-8.00	78.40	34.21
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	72.05	37.20	13.00	11.20	37.55	94.40	170.90	36.55
JAR00000	-159.00	-160.00	-0.38	0.80	0.80	90.00	53.40	32.46	13.00	11.20	61.23	-169.80	-158.20	88.74
JMC00000	-102.50	-77.59	18.18	0.80	0.80	90.00	53.93	33.58	13.00	11.20	39.66	-127.50	-27.80	54.45
JON00000	-159.00	-168.50	17.00	0.80	0.80	90.00	50.70	27.55	13.00	11.20	63.47	-169.80	-158.20	67.24
JOR00000	85.50	36.39	31.11	0.80	0.80	90.00	51.53	31.77	13.00	11.20	33.53	-28.80	102.90	24.76
KEN00000	78.20	38.45	0.81	2.07	1.32	95.27	58.84	32.41	13.00	11.20	27.45	-10.40	86.30	38.89
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	39.76	113.00	114.30	10.90
KIR0IFRB	150.00	173.00	1.00	0.80	0.80	90.00	53.73	32.91	13.00	11.20	37.77	120.60	179.00	63.05
KOR00000	116.20	127.68	36.17	1.25	0.98	3.57	56.61	33.31	13.00	11.20	27.89	83.00	169.60	43.61
KRE00000	145.00	127.80	39.82	1.41	1.00	14.40	59.68	36.68	13.00	11.20	27.36	110.10	150.00	38.11
KWT00000	34.60	47.65	29.07	0.80	0.80	90.00	50.70	28.40	13.00	11.20	29.81	-20.20	115.30	52.11
LAO0IFRB	142.00	104.11	18.15	1.54	1.00	101.34	60.16	37.39	13.00	11.20	30.77	56.60	149.90	37.68
LBN00000	-19.30	35.80	33.83	0.80	0.80	90.00	50.70	29.49	13.00	11.20	38.35	-31.60	103.20	20.22
LBR00000	-41.80	-8.94	6.50	0.80	0.80	90.00	56.86	37.90	13.00	11.20	40.47	-50.40	35.50	49.57
LBV00000	28.40	19.18	25.97	3.08	2.58	164.57	63.13	32.20	13.00	11.20	35.90	-19.20	54.90	47.46
LIE00000	7.90	9.50	47.20	0.80	0.80	90.00	50.70	28.80	13.00	11.20	28.77	-30.00	15.00	35.73
LSO0IFRB	-18.70	28.40	-29.50	0.80	0.80	90.00	50.70	28.93	13.00	11.20	40.43	-40.10	96.90	28.72
LUX00000	19.20	6.16	49.69	0.80	0.80	90.00	50.70	28.44	13.00	11.20	31.15	-53.90	66.10	31.14
MAC00000	117.00	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	27.01	64.70	162.40	63.75
MAU0IFRB	92.20	57.50	-20.17	0.80	0.80	90.00	54.00	34.44	13.00	11.20	45.63	8.00	107.00	44.30
MCO00000	41.40	7.40	43.67	0.80	0.80	90.00	52.95	32.16	13.00	11.20	33.73	-41.80	56.60	29.27
MDG0IFRB	16.80	46.60	-18.69	2.58	1.00	66.24	62.51	37.50	13.00	11.20	46.36	10.40	81.10	45.48
MDR00000	-7.30	-16.16	31.56	0.80	0.80	90.00	50.70	29.54	13.00	11.20	38.75	-41.90	6.70	50.28
MDW00000	-159.00	-177.42	28.22	0.80	0.80	90.00	50.70	27.85	13.00	11.20	61.60	-169.80	-158.20	51.30
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	69.54	37.68	13.00	11.20	27.70	-136.10	-61.00	39.11
MLA00000	78.50	108.21	4.68	3.16	1.39	0.42	64.98	37.65	13.00	11.20	29.54	76.40	143.20	42.40
MLD0IFRB	117.60	73.40	2.48	2.21	0.89	88.03	60.98	37.61	13.00	11.20	30.71	21.10	124.90	37.92
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	67.19	35.16	13.00	11.20	36.33	-59.90	43.30	60.62
MLT00000	5.60	14.36	35.93	0.80	0.80	90.00	50.70	29.58	13.00	11.20	33.63	-39.80	68.50	47.17
MNG00000	113.60	103.75	46.82	3.64	1.15	2.57	60.55	32.41	13.00	11.20	29.44	60.40	148.90	28.71
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.05	98.03	64.07	38.05	13.00	11.20	34.25	-10.60	90.60	21.83
MRC00000	32.70	-8.86	27.94	3.39	1.00	44.55	60.40	32.98	13.00	11.20	37.13	-50.50	37.50	29.66
MRL00000	-159.00	-184.72	8.73	2.33	1.45	93.55	63.59	37.40	13.00	11.20	62.09	-169.80	-158.20	52.82
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	61.03	31.63	13.00	11.20	33.57	-72.80	44.20	54.31
MWI0IFRB	29.70	34.15	-13.30	1.55	1.00	101.44	54.20	30.69	13.00	11.20	31.90	-25.00	93.70	68.87
MYT00000	-0.10	45.20	-12.83	0.80	0.80	90.00	54.13	35.17	13.00	11.20	39.87	-13.90	5.70	36.27
NCG0IFRB	-84.40	-84.88	12.91	1.10	0.98	15.55	58.10	36.87	13.00	11.20	31.94	-124.40	-45.90	72.33
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	32.85	113.00	114.30	24.44
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	60.33	32.71	13.00	11.20	28.24	-54.50	64.60	25.60
NIG00000	42.00	7.85	9.80	2.48	1.58	44.10	64.39	37.56	13.00	11.20	32.98	-29.60	49.60	43.99
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	60.24	30.40	13.00	11.20	34.09	-45.40	82.50	55.61
NOR00000	3.90	11.71	64.57	1.97	1.00	16.53	57.08	32.34	13.00	11.20	33.04	2.90	29.10	3.05
NPL0IFRB	123.30	84.40	27.96	0.80	0.80	90.00	53.69	33.41	13.00	11.20	33.15	30.30	137.60	32.52
NRU0IFRB	146.00	166.90	-0.50	0.80	0.80	90.00	53.70	32.79	13.00	11.20	35.34	114.50	179.00	65.50

ADMINISTRATION

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NZL00001	152.00	170.92	-44.80	5.35	1.01	48.53	62.85	33.49	13.00	11.20	30.80	150.90	175.00	3.06
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	66.29	37.98	13.00	11.20	34.97	150.90	175.00	29.33
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	67.70	35.84	13.00	11.20	52.41	-123.20	-81.20	44.85
OMA00000	104.00	55.09	21.60	1.94	1.00	60.61	54.95	30.70	13.00	11.20	26.43	-9.80	122.20	27.93
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	65.19	35.36	13.00	11.20	32.47	83.00	159.80	45.90
PHL0IFRB	89.60	121.25	11.35	3.33	1.53	100.96	65.70	37.73	13.00	11.20	37.13	34.10	62.00	30.87
PLM00000	-159.00	-161.42	7.00	0.80	0.80	90.00	53.34	32.42	13.00	11.20	67.59	-169.80	-158.20	81.28
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	66.94	37.28	13.00	11.20	34.11	114.20	179.00	71.27
PNR0IFRB	-79.20	-80.16	8.56	1.21	1.00	177.09	58.48	36.76	13.00	11.20	30.33	-120.00	-40.40	78.04
POL00000	16.30	19.21	51.75	1.25	0.98	165.27	53.77	31.25	13.00	11.20	26.35	-14.80	56.40	27.44
POR00000	-7.30	-8.00	39.65	0.80	0.80	90.00	51.78	31.80	13.00	11.20	37.13	-41.90	6.70	41.62
PRG00000	-81.50	-58.71	-23.10	1.52	1.27	116.22	61.00	37.25	13.00	11.20	33.11	-90.40	-23.20	47.09
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	67.79	37.55	13.00	11.20	38.77	-120.40	-38.20	58.99
PTC00000	-62.00	-130.10	-25.07	0.80	0.80	90.00	50.70	28.49	13.00	11.20	34.74	-62.60	-58.50	11.22
QAT00000	8.30	51.58	25.44	0.80	0.80	90.00	50.70	28.54	13.00	11.20	33.56	-16.90	120.00	32.91
REU00000	-0.10	55.56	-21.12	0.80	0.80	90.00	54.42	35.46	13.00	11.20	42.72	-13.90	5.70	23.30
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.46	35.50	13.00	11.20	41.12	113.00	114.30	21.57
ROU00000	44.10	25.38	45.58	1.41	0.98	0.65	55.75	32.33	13.00	11.20	29.27	-1.00	51.00	30.82
RRW00000	6.80	29.73	-1.89	0.80	0.80	90.00	50.70	29.18	13.00	11.20	35.18	-30.90	90.80	61.71
S 00000	11.30	16.68	60.88	1.13	0.99	29.57	53.59	31.45	13.00	11.20	29.42	-7.00	47.10	12.20
SCN0IFRB	-88.80	-62.90	17.33	0.80	0.80	90.00	53.83	33.49	13.00	11.20	32.88	-113.20	-12.60	54.09
SDN00001	1.20	29.26	10.32	2.89	1.93	130.53	64.67	34.49	13.00	11.20	37.38	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	60.52	31.05	13.00	11.20	33.77	-7.00	15.00	42.79
SEN00000	-48.40	-13.99	14.06	1.15	0.97	148.19	58.55	36.15	13.00	11.20	36.69	-64.40	34.30	45.07
SEV0IFRB	96.50	55.40	-4.50	0.80	0.80	90.00	54.01	34.76	13.00	11.20	39.59	3.10	107.70	42.28
SLM0IFRB	147.50	158.99	-9.05	1.53	1.00	147.14	59.73	36.98	13.00	11.20	30.23	120.40	179.00	68.27
SLV0IFRB	-130.50	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	27.10	-130.50	-47.50	40.05
SMA00000	-159.00	-170.70	-14.22	0.80	0.80	90.00	50.70	27.53	13.00	11.20	43.23	-169.80	-158.20	68.49
SMO00000	-125.50	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	42.68	-175.00	-121.70	34.01
SMR00000	22.40	12.46	43.95	0.80	0.80	90.00	50.70	29.72	13.00	11.20	29.50	-36.40	61.40	38.34
SNG00000	98.10	103.85	1.28	0.80	0.80	90.00	53.60	34.64	13.00	11.20	29.25	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.00	72.34	60.13	33.10	13.00	11.20	34.95	-20.00	102.70	24.66
SPM00000	-0.10	-56.40	66.96	0.80	0.80	90.00	53.47	32.55	13.00	11.20	41.18	-13.90	5.70	13.76
SRL0IFRB	-51.80	-11.90	8.50	0.80	0.80	90.00	54.02	34.64	13.00	11.20	33.08	-63.80	40.00	43.01
STP0IFRB	33.40	7.00	1.00	0.80	0.80	90.00	53.77	33.10	13.00	11.20	32.28	-45.40	59.40	59.14
SUI00000	-8.60	8.16	46.49	0.80	0.80	90.00	50.70	30.61	13.00	11.20	26.20	-20.00	35.00	32.63
SUR0IFRB	-77.00	-55.63	3.93	0.96	0.95	37.37	57.34	36.85	13.00	11.20	29.15	-97.00	-15.00	62.27
SWZ00000	33.10	31.29	-26.35	0.80	0.80	90.00	50.70	29.06	13.00	11.20	33.45	-26.80	89.20	58.54
SYR00000	64.30	39.24	34.64	1.36	0.96	31.73	55.39	32.21	13.00	11.20	26.33	10.10	70.00	38.58
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	65.93	35.80	13.00	11.20	38.22	-36.50	67.50	45.39
TCH00000	-12.70	17.32	49.59	1.25	1.00	165.56	55.77	32.65	13.00	11.20	29.59	-21.30	54.40	24.43
TGO00000	-21.10	0.83	8.58	1.12	1.00	116.38	58.19	36.80	13.00	11.20	35.28	-41.00	43.40	61.36
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	64.93	37.40	13.00	11.20	28.12	58.60	137.20	55.69
TON0IFRB	-128.00	-175.17	-21.17	0.80	0.80	90.00	54.21	35.25	13.00	11.20	45.50	-175.00	-126.00	31.98
TRD00000	-73.40	-61.09	10.83	0.80	0.80	90.00	53.67	32.71	13.00	11.20	28.85	-112.30	-9.90	70.23
TUN00000	-4.60	9.28	33.46	1.31	1.00	101.03	54.98	31.84	13.00	11.20	30.38	-29.00	48.40	43.84
TUR00000	9.40	34.11	38.87	2.80	1.00	170.97	60.95	34.00	13.00	11.20	32.44	7.10	61.60	31.45
TUV00000	158.00	179.16	-8.50	0.80	0.80	90.00	53.75	32.92	13.00	11.20	43.03	127.30	179.00	63.33
TZA0IFRB	69.50	35.43	-5.93	2.41	1.43	117.15	59.62	32.25	13.00	11.20	33.04	-21.30	91.40	43.72
UAE00000	70.48	53.79	24.87	1.11	0.99	12.14	51.20	29.58	13.00	11.20	28.22	-12.70	120.30	53.90
UGA0IFRB	32.30	32.17	0.95	1.47	1.02	69.56	54.56	31.05	13.00	11.20	31.62	-27.20	91.60	84.88
URG00000	-86.10	-56.26	-33.70	1.06	0.96	58.09	54.44	32.27	13.00	11.20	29.55	-108.90	-3.50	37.60

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 8-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 8-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 8-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	68.80	33.85	13.00	11.20	36.12	56.70	65.40	8.50
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	72.38	33.85	13.00	11.20	31.21	87.70	98.00	7.06
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	68.73	33.85	13.00	11.20	31.79	138.50	140.60	6.02
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	73.08	38.29	13.00	11.20	31.28	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	0.80	0.80	90.00	54.42	35.46	13.00	11.20	33.67	-130.30	-63.50	22.27
VCT0IFRB	-93.10	-61.10	13.17	0.80	0.80	90.00	53.90	33.83	13.00	11.20	32.51	-112.30	-9.90	50.10
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	65.82	37.29	13.00	11.20	34.51	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	0.80	0.80	90.00	53.75	33.01	13.00	11.20	32.53	-102.50	-24.70	61.34
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	68.18	37.43	13.00	11.20	27.88	85.10	125.00	62.78
VUT0IFRB	150.70	168.41	-17.16	1.17	1.00	121.88	58.48	36.90	13.00	11.20	35.06	127.40	179.00	58.03
WAK00000	-159.00	-193.50	19.20	0.80	0.80	90.00	50.70	28.02	13.00	11.20	57.20	-169.80	-158.20	44.97
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	33.23	113.00	114.30	10.03
YEM0IFRB	27.00	44.21	15.06	1.00	0.98	102.87	51.05	29.80	13.00	11.20	31.69	-24.30	113.20	60.40
YMS00000	108.00	69.91	14.76	1.36	1.00	52.87	55.21	31.97	13.00	11.20	28.95	-16.40	114.40	16.47
YUG00000	31.20	18.47	44.26	1.27	1.00	160.61	55.62	32.50	13.00	11.20	30.34	-25.80	60.20	33.83
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	69.94	37.72	13.00	11.20	42.66	-23.60	62.60	44.49
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.55	25.92	58.01	30.73	13.00	11.20	31.20	-27.90	82.50	64.58
ZWE00000	42.50	29.87	-18.91	1.72	1.26	161.53	55.32	30.52	13.00	11.20	27.01	-27.00	85.50	60.06

ITU - RADIOCOMMUNICATION

ANNEXE 3 - ANNEX 3 - ANEXO 3

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PNGP2B01	-175.00	-190.00	-6.00	16.00	7.50	172.00	56.70	125.00	6.88	12.00	37.35	-175.00	-175.00	1.30
PNGP2B02	-175.00	-155.00	24.00	2.80	2.80	90.00	56.70	125.00	6.88	12.00	54.93	-175.00	-175.00	57.72
URSSTAD2	-170.00	-170.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	14.79	-170.50	-169.50	10.19
URSFOT-3	-168.00	-168.00	0.00	17.30	17.30	90.00	160.00	12.80	15.00	4.65	33.21	-168.50	-167.50	10.19
ALS00000	-159.00	-158.56	57.52	6.27	1.60	0.93	54.15	21.23	6.88	4.65	42.70	-169.80	-158.20	9.91
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	66.62	24.37	6.88	4.65	44.54	-169.80	-158.20	10.89
GUMMRA00	-159.00	-214.55	16.73	1.69	1.60	78.62	52.71	21.73	6.88	4.65	42.49	-169.80	-158.20	21.33
HWA00000	-159.00	-157.60	20.74	1.60	1.60	90.00	52.50	19.77	6.88	4.65	41.30	-169.80	-158.20	63.94
HWL00000	-159.00	-176.58	0.08	1.60	1.60	90.00	52.50	18.17	6.88	4.65	41.56	-169.80	-158.20	69.37
JAR00000	-159.00	-160.00	-0.38	1.60	1.60	90.00	52.50	18.07	6.88	4.65	41.68	-169.80	-158.20	88.74
JON00000	-159.00	-168.50	17.00	1.60	1.60	90.00	52.50	17.80	6.88	4.65	41.48	-169.80	-158.20	67.24
MDW00000	-159.00	-177.42	28.22	1.60	1.60	90.00	52.50	18.00	6.88	4.65	42.05	-169.80	-158.20	51.30
MRL00000	-159.00	-184.72	8.73	2.33	1.60	93.55	53.46	21.22	6.88	4.65	42.10	-169.80	-158.20	52.82
PLM00000	-159.00	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	41.73	-169.80	-158.20	81.28
SMA00000	-159.00	-179.70	-14.22	1.60	1.60	90.00	52.50	17.79	6.88	4.65	40.85	-169.80	-158.20	68.49
WAK00000	-159.00	-193.50	19.20	1.60	1.60	90.00	52.50	18.10	6.88	4.65	41.96	-169.80	-158.20	44.97
GTM00000	-135.70	-90.47	15.49	1.60	1.60	90.00	52.50	19.54	6.88	4.65	32.88	-139.30	-41.40	33.72
SLV0IFRB	-130.50	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	29.48	-130.50	-47.50	40.05
TON0IFRB	-128.00	-175.17	-21.17	1.60	1.60	90.00	52.50	18.97	6.88	4.65	32.24	-175.00	-126.00	31.98
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	57.52	21.48	6.88	4.65	28.22	-136.10	-61.00	39.11
SMO00000	-125.50	-172.11	-13.73	1.60	1.60	90.00	52.50	18.94	6.88	4.65	32.00	-175.00	-121.70	34.01
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	61.48	22.00	6.88	4.65	31.51	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	1.60	1.60	90.00	52.50	19.39	6.88	4.65	34.39	-130.30	-63.50	22.27
GDL00002	-115.90	-61.76	16.37	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.36	-123.20	-81.20	25.66
GUF00002	-115.90	-53.28	4.30	1.60	1.60	90.00	53.48	20.58	6.88	4.65	43.79	-123.20	-81.20	17.64
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	55.02	21.07	6.88	4.65	48.28	-123.20	-81.20	44.85
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	52.50	21.29	6.88	4.65	27.96	-119.00	-113.70	10.17
CAN0CENT	-111.10	-96.15	51.37	4.32	2.04	155.35	54.55	21.60	6.88	4.65	29.90	-115.10	-101.00	10.24
GRD0IFRB	-104.70	-61.60	12.00	1.60	1.60	90.00	52.50	18.76	6.88	4.65	29.42	-113.00	-10.20	38.82
EQA00000	-104.00	-83.13	-1.41	3.06	1.60	173.53	54.33	21.09	6.88	4.65	37.51	-104.00	-94.10	56.41
JMC00000	-102.50	-77.59	18.18	1.65	1.60	90.00	52.50	18.41	6.88	4.65	37.15	-127.50	-27.80	54.45
BRB0IFRB	-101.00	-59.60	13.17	1.60	1.60	90.00	52.50	18.71	6.88	4.65	28.51	-110.80	-8.40	40.30
ABW00000	-98.20	-69.05	12.41	1.60	1.60	90.00	52.50	18.58	6.88	4.65	29.83	-119.40	-18.90	52.23
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	55.26	21.60	6.88	4.65	38.44	-108.00	-90.10	12.57
CTR00000	-96.00	-85.32	8.18	1.60	1.60	90.00	52.50	19.76	6.88	4.65	37.29	-125.40	-44.00	70.80
VCT0IFRB	-93.10	-61.10	13.17	1.60	1.60	90.00	52.50	18.47	6.88	4.65	30.59	-112.30	-9.90	50.10
HTI0IFRB	-92.00	-73.00	18.83	1.60	1.60	90.00	52.50	18.30	6.88	4.65	32.10	-122.90	-23.10	59.04
BLZ00000	-90.80	-88.61	17.24	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.42	-138.40	-38.70	68.24
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	56.69	21.28	6.88	4.65	36.93	-120.40	-38.20	58.99
SCN0IFRB	-88.80	-62.90	17.33	1.60	1.60	90.00	52.50	18.39	6.88	4.65	29.87	-113.20	-12.60	54.09
URG00000	-86.10	-56.26	-33.70	1.60	1.60	90.00	52.50	19.32	6.88	4.65	33.29	-108.90	-3.50	37.60
CPV0IFRB	-85.70	-24.10	16.00	1.60	1.60	90.00	52.50	18.70	6.88	4.65	33.29	-94.70	46.50	18.99
DOM0IFRB	-85.40	-70.40	18.67	1.60	1.60	90.00	52.50	18.25	6.88	4.65	27.12	-120.30	-20.50	62.17
NCG0IFRB	-84.40	-84.88	12.91	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.58	-124.40	-45.90	72.33
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	55.05	21.09	6.88	4.65	30.03	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	1.60	1.60	90.00	52.50	18.27	6.88	4.65	29.98	-102.50	-24.70	61.34
PRG00000	-81.50	-58.71	-23.10	1.60	1.60	90.00	52.50	20.94	6.88	4.65	32.17	-90.40	-23.20	47.09
CUB00000	-80.60	-79.54	21.02	1.99	1.60	171.62	52.50	20.75	6.88	4.65	28.88	-123.50	-36.10	62.58
PNR0IFRB	-79.20	-80.16	8.54	1.60	1.60	90.00	52.50	19.57	6.88	4.65	29.46	-120.00	-40.40	78.04
ATG0IFRB	-77.70	-61.80	17.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	29.76	-112.20	-11.40	62.94
SUR0IFRB	-77.00	-55.63	3.93	1.60	1.60	90.00	52.50	19.28	6.88	4.65	30.81	-97.00	-15.00	62.27
HND00000	-76.20	-86.11	15.42	1.60	1.60	90.00	52.50	20.01	6.88	4.65	28.70	-123.80	-48.10	66.37

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	61.44	21.61	6.88	4.65	35.49	-96.40	-53.60	11.48
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.60	132.91	52.50	20.60	6.88	4.65	30.00	-121.10	-32.20	57.33
TRD00000	-73.40	-61.09	10.83	1.60	1.60	90.00	52.50	18.19	6.88	4.65	28.21	-112.30	-9.90	70.23
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	56.99	21.12	6.88	4.65	29.89	-110.10	-39.90	70.19
DMA0IFRB	-69.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.17	6.88	4.65	28.82	-112.10	-10.50	69.59
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	58.70	21.52	6.88	4.65	28.79	-70.00	-60.10	47.43
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	59.58	21.32	6.88	4.65	27.72	-70.00	-60.10	69.00
PTC00000	-62.00	-130.10	-25.07	1.60	1.60	90.00	52.50	18.77	6.88	4.65	40.74	-62.60	-58.50	11.22
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	60.25	21.38	6.88	4.65	29.44	-70.00	-60.10	56.25
USA13HB1	-57.00	-61.50	-2.90	16.91	7.56	103.00	61.10	124.90	6.88	12.00	32.76	-59.00	-55.00	21.60
USA13HB2	-57.00	-6.40	40.10	2.36	1.60	127.00	61.10	124.90	6.88	12.00	49.72	-59.00	-55.00	8.00
SRL0IFRB	-51.80	-11.90	8.50	1.60	1.60	90.00	52.50	18.64	6.88	4.65	31.99	-63.80	40.00	43.01
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	59.62	21.90	6.88	4.65	35.68	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.60	153.53	52.50	21.49	6.88	4.65	26.34	-58.40	-51.00	7.80
DNK00002	-49.00	12.48	56.29	1.60	1.60	90.00	52.50	19.43	6.88	4.65	37.19	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	1.60	1.60	90.00	52.50	18.93	6.88	4.65	37.24	-50.00	-43.10	11.41
GRL00000	-49.00	-42.91	68.57	2.31	1.60	174.47	52.50	21.45	6.88	4.65	39.35	-50.00	-43.10	3.06
SEN00000	-48.40	-13.99	14.06	1.60	1.60	90.00	52.50	19.67	6.88	4.65	30.89	-64.40	34.30	45.07
USA13IB1	-45.00	-59.60	-1.10	16.19	7.42	100.00	61.10	124.90	6.88	12.00	37.31	-47.00	-43.00	19.85
USA13IB2	-45.00	-5.20	40.40	2.34	1.93	144.00	61.10	124.90	6.88	12.00	40.72	-47.00	-43.00	16.47
LBR00000	-41.80	-8.94	6.50	1.60	1.60	90.00	52.50	19.57	6.88	4.65	35.53	-50.40	35.50	49.57
AND00000	-41.00	1.53	42.52	1.60	1.60	90.00	52.50	18.61	6.88	4.65	27.63	-48.60	51.70	25.03
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	52.50	21.05	6.88	4.65	29.94	-54.50	64.60	25.60
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	54.14	21.00	6.88	4.65	34.43	-38.50	-27.10	39.69
BERCAYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	56.50	21.80	6.88	4.65	37.89	-38.50	-27.10	35.55
FLKSTGGL	-37.10	-46.81	-59.57	3.73	1.60	170.47	52.50	21.19	6.88	4.65	32.03	-38.50	-27.10	5.08
G 00000	-37.10	-4.15	53.88	1.61	1.60	151.35	52.50	20.99	6.88	4.65	26.03	-38.50	-27.10	14.76
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.60	78.07	52.50	20.88	6.88	4.65	34.27	-37.20	74.10	21.20
ISL00000	-35.50	-18.17	64.94	1.60	1.60	90.00	52.50	19.49	6.88	4.65	28.75	-53.00	14.80	13.77
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	54.65	21.37	6.88	4.65	37.33	-97.30	-23.20	44.96
GMB00000	-34.00	-16.40	13.40	1.60	1.60	90.00	52.50	17.94	6.88	4.65	28.20	-77.30	44.50	64.24
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	53.46	21.15	6.88	4.65	27.59	-47.94	38.37	28.89
GNE0IFRB	-32.30	10.50	1.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	29.52	-32.80	53.80	40.58
DNK00001	-32.00	10.83	55.87	1.60	1.60	90.00	52.50	19.37	6.88	4.65	27.09	-40.80	62.20	14.33
BEN00000	-30.60	2.28	9.30	1.60	1.60	90.00	52.50	20.05	6.88	4.65	28.01	-40.20	44.70	48.37
I 00000	-28.80	11.17	40.93	2.11	1.60	140.41	52.50	21.10	6.88	4.65	25.24	-32.90	54.10	22.44
URSSTAD1	-26.50	-26.50	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	5.79	-27.00	-26.00	8.71
GUY00000	-24.10	-59.18	4.73	1.60	1.60	90.00	52.50	20.57	6.88	4.65	27.66	-100.10	-18.30	46.47
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	52.50	20.65	6.88	4.65	28.23	-72.80	44.20	54.31
HNG00000	-22.10	19.17	47.13	1.60	1.60	90.00	52.50	19.04	6.88	4.65	27.03	-22.20	62.40	20.08
TGO00000	-21.10	0.83	8.58	1.60	1.60	90.00	52.50	19.55	6.88	4.65	29.93	-41.00	43.40	61.36
LUXGDL41	-20.00	3.27	46.90	2.50	2.00	150.00	62.50	135.50	6.88	12.00	39.07	-20.00	-20.00	27.42
LBN00000	-19.30	35.80	33.83	1.60	1.60	90.00	52.50	18.67	6.88	4.65	35.27	-31.60	103.20	20.22
LSO0IFRB	-18.70	28.40	-29.50	1.60	1.60	90.00	52.50	18.45	6.88	4.65	35.47	-40.10	96.90	28.72
DJI0IFRB	-18.30	42.60	11.67	1.60	1.60	90.00	52.50	18.67	6.88	4.65	34.94	-28.40	113.60	20.29
AUT00000	-17.10	13.66	47.65	1.60	1.60	90.00	52.50	19.17	6.88	4.65	26.13	-18.60	46.40	25.75
COG0IFRB	-16.00	14.79	-0.55	2.30	1.60	63.46	52.98	21.15	6.88	4.65	33.01	-24.70	56.50	49.72
URSFOT-1	-13.50	-13.50	0.00	17.30	17.30	90.00	160.00	12.80	15.00	4.65	10.34	-14.00	-13.00	8.71
TCH00000	-12.70	17.32	49.59	1.60	1.60	90.00	52.50	19.95	6.88	4.65	23.05	-21.30	54.40	24.43
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	53.27	20.98	6.88	4.65	34.43	-36.50	67.50	45.39
SUI00000	-8.60	8.16	46.49	1.60	1.60	90.00	52.50	18.67	6.88	4.65	25.92	-20.00	35.00	32.63
AZR00000	-7.30	-28.01	38.69	1.60	1.60	90.00	52.50	18.92	6.88	4.65	40.85	-41.90	6.70	38.12

ADMINISTRATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MDR00000	-7.30	-16.16	31.56	1.60	1.60	90.00	52.50	18.29	6.88	4.65	38.38	-41.90	6.70	50.28
POR00000	-7.30	-8.00	39.65	1.60	1.60	90.00	52.50	18.76	6.88	4.65	30.12	-41.90	6.70	41.62
ATN00000	-5.70	-65.62	15.09	1.60	1.60	90.00	52.50	21.04	6.88	4.65	33.55	-50.10	1.90	17.72
HOL00000	-5.70	5.35	52.44	1.60	1.60	90.00	52.50	18.60	6.88	4.65	25.94	-50.10	1.90	27.32
TUN00000	-4.60	9.28	33.46	1.60	1.60	90.00	52.50	19.64	6.88	4.65	29.30	-29.00	48.40	43.84
BDI00000	-3.00	29.94	-3.40	1.60	1.60	90.00	52.50	18.43	6.88	4.65	33.34	-30.50	90.40	50.10
CYP00000	-2.60	33.20	35.10	1.60	1.60	90.00	52.50	18.65	6.88	4.65	30.65	-21.50	87.90	34.41
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	54.52	20.79	6.88	4.65	33.47	-59.90	43.30	60.62
F 00000	-0.10	3.11	45.89	2.13	1.60	167.72	52.50	20.97	6.88	4.65	15.77	-13.90	5.70	31.57
GDL00000	-0.10	-61.96	16.31	1.60	1.60	90.00	52.50	19.96	6.88	4.65	33.39	-13.90	5.70	17.29
GUF00000	-0.10	-53.17	4.30	1.60	1.60	90.00	52.62	19.89	6.88	4.65	40.70	-13.90	5.70	28.24
MYT00000	-0.10	45.20	-12.83	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.22	-13.90	5.70	36.27
REU00000	-0.10	55.56	-21.12	1.60	1.60	90.00	52.50	19.33	6.88	4.65	41.51	-13.90	5.70	23.30
SPM00000	-0.10	-56.40	46.96	1.60	1.60	90.00	52.50	19.04	6.88	4.65	41.67	-13.90	5.70	13.76
LUXGDL51	1.00	3.24	47.15	3.10	1.60	26.00	62.50	135.50	6.88	12.00	31.56	1.00	1.00	32.30
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	52.85	20.97	6.88	4.65	21.90	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	52.50	20.72	6.88	4.65	21.83	-7.00	15.00	42.79
ALB00000	2.40	19.99	41.11	1.60	1.60	90.00	52.50	18.64	6.88	4.65	28.80	-29.90	69.80	37.73
NOR00000	3.90	11.71	64.57	1.97	1.60	16.53	52.50	21.30	6.88	4.65	26.94	2.90	29.10	3.05
CTI00000	4.60	-5.85	7.82	1.60	1.60	90.00	52.50	19.98	6.88	4.65	32.36	-15.00	27.10	71.21
MLT00000	5.60	14.36	35.93	1.60	1.60	90.00	52.50	18.20	6.88	4.65	29.13	-39.80	68.50	47.17
RRW00000	6.80	29.73	-1.89	1.60	1.60	90.00	52.50	18.09	6.88	4.65	34.45	-30.90	90.80	61.71
LIE00000	7.90	9.50	47.20	1.60	1.60	90.00	52.50	18.92	6.88	4.65	27.07	-30.00	15.00	35.73
QAT00000	8.30	51.58	25.44	1.60	1.60	90.00	52.50	18.40	6.88	4.65	33.01	-16.90	120.00	32.91
TUR00000	9.40	34.11	38.87	2.80	1.60	170.97	52.50	21.09	6.88	4.65	29.48	7.10	61.60	31.45
BFA00000	10.20	-1.45	12.23	1.74	1.60	23.58	52.50	20.52	6.88	4.65	31.46	-54.60	46.20	67.27
S 00000	11.30	16.68	60.88	1.60	1.60	90.00	52.50	19.79	6.88	4.65	27.80	-7.00	47.10	12.20
CNR00000	12.20	-15.86	28.51	1.60	1.60	90.00	52.50	18.74	6.88	4.65	39.51	-31.10	24.20	42.91
E 00002	12.20	-2.98	39.86	2.08	1.60	7.95	52.50	20.66	6.88	4.65	29.18	-31.10	24.20	35.72
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	52.50	20.50	6.88	4.65	34.50	-45.40	82.50	55.61
GRC00000	14.20	24.71	38.27	1.71	1.60	158.13	52.50	20.68	6.88	4.65	26.65	-8.90	56.80	40.24
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	53.66	20.91	6.88	4.65	31.62	-24.80	57.60	73.76
IRL00000	15.20	-8.12	53.25	1.60	1.60	90.00	52.50	19.00	6.88	4.65	29.75	-41.00	25.70	23.69
GHA00000	16.00	-1.28	7.71	1.60	1.60	90.00	52.50	20.33	6.88	4.65	30.69	-41.70	39.30	64.57
POL00000	16.30	19.21	51.75	1.60	1.60	90.00	52.50	19.79	6.88	4.65	26.38	-14.80	56.40	27.44
MDG0IFRB	16.80	46.60	-18.69	2.58	1.60	66.24	54.60	21.44	6.88	4.65	40.66	10.40	81.10	45.48
LUXGDL61	19.20	3.63	45.91	3.10	1.60	30.00	62.50	135.50	6.88	12.00	40.52	19.20	19.20	31.14
BOT00000	19.90	23.99	-21.77	1.60	1.60	90.00	52.50	20.02	6.88	4.65	33.96	-41.70	89.90	59.11
BHR00000	20.40	50.60	26.07	1.60	1.60	90.00	52.50	18.09	6.88	4.65	33.38	-18.60	119.80	44.77
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	53.75	20.99	6.88	4.65	35.31	-27.30	51.20	73.08
SMR00000	22.40	12.46	43.95	1.60	1.60	90.00	52.50	18.34	6.88	4.65	27.66	-36.40	61.40	38.34
IRN00000	25.80	54.27	32.98	3.67	1.60	143.55	52.50	20.97	6.88	4.65	31.34	20.10	50.00	33.68
D 00000	26.40	9.72	50.70	1.60	1.60	90.00	52.50	19.49	6.88	4.65	27.07	-30.40	53.10	25.20
YEM0IFRB	27.00	44.21	15.06	1.60	1.60	90.00	52.50	18.65	6.88	4.65	33.68	-24.30	113.20	60.40
GUI0IFRB	27.50	-10.87	10.20	1.60	1.60	90.00	52.50	20.24	6.88	4.65	34.82	-51.80	33.80	39.68
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	53.23	20.85	6.88	4.65	30.86	-19.20	54.90	47.46
MWI0IFRB	29.70	34.15	-13.30	1.60	1.60	90.00	52.50	19.96	6.88	4.65	31.49	-25.00	93.70	68.87
YUG00000	31.20	18.47	44.26	1.60	1.60	90.00	52.50	19.81	6.88	4.65	26.73	-25.80	60.20	33.83
UGA0IFRB	32.30	32.17	0.95	1.60	1.60	90.00	52.50	19.68	6.88	4.65	26.46	-27.20	91.60	84.88
MRC00000	32.70	-8.86	27.94	3.39	1.60	44.55	52.50	21.21	6.88	4.65	26.48	-50.50	37.50	29.66
SWZ00000	33.10	31.29	-26.35	1.60	1.60	90.00	52.50	18.02	6.88	4.65	23.58	-26.80	89.20	58.54
STP0IFRB	33.40	7.00	1.00	1.60	1.60	90.00	52.50	18.30	6.88	4.65	22.22	-45.40	59.40	59.14

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
KWT00000	34.60	47.65	29.07	1.60	1.60	90.00	52.50	18.10	6.88	4.65	5.02	-20.20	115.30	52.11
URSSTAD3	35.00	35.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	4.35	34.50	35.50	9.78
CVA00000	35.40	12.50	41.88	1.60	1.60	90.00	52.50	18.39	6.88	4.65	5.91	-38.10	63.10	36.31
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.60	25.92	52.50	20.39	6.88	4.65	19.50	-27.90	82.50	64.58
GNB0IFRB	36.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	23.78	-76.50	45.70	29.36
DDR00000	38.70	12.60	51.36	1.60	1.60	90.00	52.50	19.27	6.88	4.65	26.73	-26.80	51.70	23.40
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	52.50	21.22	6.88	4.65	29.15	34.10	62.00	30.87
GAB0IFRB	39.90	11.70	-0.74	1.60	1.60	90.00	52.50	20.22	6.88	4.65	27.40	-29.20	52.00	53.71
MCO00000	41.40	7.40	43.67	1.60	1.60	90.00	52.50	18.70	6.88	4.65	27.46	-41.80	56.60	29.27
NIG00000	42.00	7.85	9.80	2.48	1.60	44.10	54.33	21.48	6.88	4.65	27.21	-29.60	49.60	43.99
ZWE00000	42.50	29.87	-18.91	1.72	1.60	161.53	52.50	20.31	6.88	4.65	25.70	-27.00	85.50	60.06
ROU00000	44.10	25.38	45.58	1.60	1.60	90.00	52.50	20.28	6.88	4.65	16.94	-1.00	51.00	30.82
URSSTAD4	45.00	45.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	4.08	44.50	45.50	9.78
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	53.47	20.72	6.88	4.65	1.83	20.10	60.00	51.82
FNL00000	46.80	23.79	64.34	1.60	1.60	90.00	52.50	20.74	6.88	4.65	24.25	7.10	46.80	10.01
BUL00000	50.40	25.55	42.75	1.60	1.60	90.00	52.50	19.17	6.88	4.65	26.72	-20.60	71.50	32.09
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	59.53	21.58	6.88	4.65	34.34	-23.60	62.60	44.49
IRQ00000	51.70	44.25	33.13	1.81	1.60	165.93	52.50	20.32	6.88	4.65	28.08	5.10	82.50	46.12
BEL00000	52.60	5.16	50.62	1.60	1.60	90.00	52.50	18.83	6.88	4.65	29.17	-53.60	62.00	15.39
AFG00000	53.60	66.55	33.91	2.34	1.60	16.10	52.50	20.63	6.88	4.65	30.00	42.30	95.80	41.33
CYPSBA00	56.60	32.95	34.58	1.60	1.60	90.00	52.50	18.28	6.88	4.65	29.96	44.70	59.20	42.56
GIB00000	56.60	-5.35	36.15	1.60	1.60	90.00	52.50	19.08	6.88	4.65	37.85	44.70	59.20	13.88
HKG00000	56.60	114.50	22.42	1.60	1.60	90.00	52.50	19.36	6.88	4.65	40.97	44.70	59.20	21.33
ETH00000	57.70	40.63	10.34	2.81	2.75	63.71	52.65	20.56	6.88	4.65	33.53	-4.00	85.00	59.00
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	58.91	21.71	6.88	4.65	31.70	56.70	65.40	8.50
BTN0IFRB	63.00	90.38	27.00	1.60	1.60	90.00	52.50	18.47	6.88	4.65	28.83	34.30	146.60	44.71
SYR00000	64.30	39.24	34.64	1.60	1.60	90.00	52.50	19.99	6.88	4.65	27.33	10.10	70.00	38.58
EGY00000	68.30	30.29	26.22	2.31	1.60	53.82	52.50	20.78	6.88	4.65	29.28	-10.30	69.50	30.96
TZA0IFRB	69.50	35.43	-5.93	2.41	1.60	117.15	52.50	20.69	6.88	4.65	33.18	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.60	1.60	90.00	52.50	18.92	6.88	4.65	35.28	-12.70	120.30	53.90
AFS00000	71.00	27.19	-30.05	5.32	1.60	128.26	54.28	21.44	6.88	4.65	35.87	-25.80	84.20	22.24
ISR00000	73.00	35.04	31.32	1.60	1.60	90.00	52.50	18.99	6.88	4.65	27.40	-8.00	78.40	34.21
INSAT-2C	74.00	81.30	23.30	5.30	4.10	62.00	60.80	26.50	6.88	4.65	38.90	74.00	74.00	47.01
KEN00000	78.20	38.45	0.81	2.07	1.60	95.27	52.50	20.73	6.88	4.65	28.00	-10.40	86.30	38.89
MLA00000	78.50	108.21	4.68	3.16	1.60	0.42	55.77	21.60	6.88	4.65	28.62	76.40	143.20	42.40
URSFOT-2	80.00	80.00	0.00	17.30	17.30	90.00	160.00	12.80	15.00	4.65	32.27	79.50	80.50	9.78
INSAT-2A	83.00	81.80	23.20	5.60	4.00	54.00	60.80	26.50	6.88	4.65	36.06	83.00	83.00	46.31
URSSTAD5	85.00	85.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	2.01	84.50	85.50	9.78
JOR00000	85.50	36.39	31.11	1.60	1.60	90.00	52.50	19.15	6.88	4.65	9.23	-28.80	102.90	24.76
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	61.55	21.71	6.88	4.65	25.34	87.70	98.00	7.06
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.60	98.03	54.42	21.73	6.88	4.65	30.27	-10.60	90.60	21.83
PHL0IFRB	89.60	121.25	11.35	3.33	1.60	100.96	55.79	21.65	6.88	4.65	33.46	83.00	159.80	45.90
MAU0IFRB	92.20	57.50	-20.17	1.60	1.60	90.00	52.50	18.61	6.88	4.65	33.71	8.00	107.00	44.30
INSAT-2B	93.50	82.40	23.20	5.70	3.80	51.00	60.80	26.50	6.88	4.65	34.81	93.50	93.50	42.69
COM0IFRB	94.50	44.10	-12.17	1.60	1.60	90.00	52.50	19.01	6.88	4.65	28.04	-7.30	95.50	31.11
CBG0IFRB	96.10	105.06	12.85	1.60	1.60	90.00	52.50	19.59	6.88	4.65	32.02	61.20	144.20	68.33
SEY0IFRB	96.50	55.40	-4.50	1.60	1.60	90.00	52.50	18.66	6.88	4.65	29.80	3.10	107.70	42.28
SNG00000	98.10	103.85	1.28	1.60	1.60	90.00	52.50	18.36	6.88	4.65	32.71	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.60	72.34	52.50	21.24	6.88	4.65	29.61	-20.00	102.70	24.66
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	61.99	21.68	6.88	4.65	31.77	90.40	139.40	25.55
OMA00000	104.00	55.09	21.60	1.94	1.60	60.61	52.50	20.80	6.88	4.65	28.54	-9.80	122.20	27.93
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	57.10	21.16	6.88	4.65	28.63	85.10	125.00	62.78

ADMINISTRATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
YMS00000	108.00	49.91	14.76	1.60	1.60	90.00	52.50	20.26	6.88	4.65	30.03	-16.40	114.40	16.47
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	54.88	21.31	6.88	4.65	26.94	57.60	131.00	53.98
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	41.98	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	41.41	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	32.74	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	39.95	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	33.71	113.00	114.30	10.03
MNG00000	113.60	103.75	46.82	3.64	1.60	2.57	52.50	21.07	6.88	4.65	32.75	60.40	148.90	28.71
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	63.93	21.43	6.88	4.65	32.28	101.10	135.00	58.31
KOR00000	116.20	127.68	36.17	1.60	1.60	90.00	52.50	19.47	6.88	4.65	31.48	83.00	169.60	43.61
MAC00000	117.00	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	29.03	64.70	162.40	63.75
MLD0IFRB	117.60	73.40	2.48	2.21	1.60	88.03	52.50	21.27	6.88	4.65	27.95	21.10	124.90	37.92
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	54.41	21.25	6.88	4.65	28.83	58.60	137.20	55.69
CLN00000	121.50	80.09	7.67	1.60	1.60	90.00	52.50	18.78	6.88	4.65	30.09	28.10	131.90	41.35
NPL0IFRB	123.30	84.40	27.96	1.60	1.60	90.00	52.50	19.23	6.88	4.65	31.69	30.30	137.60	32.52
URSSTAD6	128.00	128.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	12.59	127.50	128.50	9.78
BGD00000	133.00	90.16	23.96	1.60	1.60	90.00	52.50	19.65	6.88	4.65	32.28	44.60	135.50	32.17
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	58.47	21.32	6.88	4.65	33.40	75.00	151.30	50.09
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	58.94	21.71	6.88	4.65	34.39	138.50	140.60	6.02
LAO0IFRB	142.00	104.11	18.15	1.60	1.60	90.00	52.50	20.85	6.88	4.65	31.91	56.60	149.90	37.68
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	64.04	21.80	6.88	4.65	40.49	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.60	1.60	90.00	52.50	20.47	6.88	4.65	40.02	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.60	1.60	90.00	52.50	19.45	6.88	4.65	41.68	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	1.60	1.60	90.00	52.50	18.40	6.88	4.65	38.27	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	1.60	1.60	90.00	52.50	18.75	6.88	4.65	46.58	122.36	148.10	11.04
KRE00000	145.00	127.80	39.82	1.60	1.60	90.00	52.50	20.38	6.88	4.65	29.96	110.10	150.00	38.11
NRU0IFRB	146.00	166.90	-0.50	1.60	1.60	90.00	52.50	18.21	6.88	4.65	32.65	114.50	179.00	65.50
SLM0IFRB	147.30	158.99	-9.95	1.60	1.60	90.00	52.50	20.54	6.88	4.65	31.73	120.40	179.00	68.27
FJI0IFRB	148.80	178.50	-17.17	1.60	1.60	90.00	52.50	18.46	6.88	4.65	31.02	128.20	179.00	50.58
KIR0IFRB	150.00	173.00	1.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	34.25	120.60	179.00	63.05
VUT0IFRB	150.70	168.41	-17.16	1.60	1.60	90.00	52.50	19.71	6.88	4.65	30.08	127.40	179.00	58.03
NZL00001	152.00	170.92	-44.80	5.35	1.60	48.53	54.68	21.89	6.88	4.65	32.97	150.90	175.00	3.06
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	54.83	21.71	6.88	4.65	34.04	150.90	175.00	29.33
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	59.80	21.49	6.88	4.65	35.91	94.40	170.90	36.55
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	55.93	21.02	6.88	4.65	34.02	114.20	179.00	71.27
BRU0IFRB	157.30	114.60	4.50	1.60	1.60	90.00	52.50	19.10	6.88	4.65	41.16	71.50	157.70	40.51
TUV00000	158.00	179.16	-8.50	1.60	1.60	90.00	52.50	18.24	6.88	4.65	41.10	127.30	179.00	63.33
PNGP1B01	167.45	157.00	-4.00	16.00	7.50	153.00	56.70	125.00	6.88	12.00	37.83	167.45	167.45	16.21
PNGP1B02	167.45	198.00	18.00	2.80	2.80	90.00	56.70	125.00	6.88	12.00	59.12	167.45	167.45	41.90

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ABW00000	-98.20	-69.05	12.41	1.60	1.60	90.00	52.50	18.58	6.88	4.65	29.83	-119.40	-18.90	52.23
ADL00000	113.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	41.98	113.00	114.30	12.16
AFG00000	53.60	66.55	33.91	2.34	1.60	16.10	52.50	20.63	6.88	4.65	30.00	42.30	95.80	41.33
AFS00000	71.00	27.19	-30.05	5.32	1.60	128.26	54.28	21.44	6.88	4.65	35.87	-25.80	84.20	22.24
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.60	78.07	52.50	20.88	6.88	4.65	34.27	-37.20	74.10	21.20
ALB00000	2.40	19.99	41.11	1.60	1.60	90.00	52.50	18.64	6.88	4.65	28.80	-29.90	69.80	37.73
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	53.46	21.15	6.88	4.65	27.59	-47.94	38.37	28.89
ALS00000	-159.00	-158.56	57.52	6.27	1.60	0.93	54.15	21.23	6.88	4.65	42.70	-169.80	-158.20	9.91
AND00000	-41.00	1.53	42.52	1.60	1.60	90.00	52.50	18.61	6.88	4.65	27.63	-48.60	51.70	25.03
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	59.62	21.90	6.88	4.65	35.68	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.60	153.53	52.50	21.49	6.88	4.65	26.34	-58.40	-51.00	7.80
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	53.47	20.72	6.88	4.65	1.83	20.10	60.00	51.82
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	54.14	21.00	6.88	4.65	34.43	-38.50	-27.10	39.69
ATG0IFRB	-77.70	-61.80	17.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	29.76	-112.20	-11.40	62.94
ATN00000	-5.70	-65.62	15.09	1.60	1.60	90.00	52.50	21.04	6.88	4.65	33.55	-50.10	1.90	17.72
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	64.04	21.80	6.88	4.65	40.49	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.60	1.60	90.00	52.50	20.47	6.88	4.65	40.02	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.60	1.60	90.00	52.50	19.45	6.88	4.65	41.68	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	1.60	1.60	90.00	52.50	18.40	6.88	4.65	38.27	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	1.60	1.60	90.00	52.50	18.75	6.88	4.65	46.58	122.36	148.10	11.04
AUT00000	-17.10	13.66	47.65	1.60	1.60	90.00	52.50	19.17	6.88	4.65	26.13	-18.60	46.40	25.75
AZR00000	-7.30	-28.01	38.69	1.60	1.60	90.00	52.50	18.92	6.88	4.65	40.85	-41.90	6.70	38.12
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	59.58	21.32	6.88	4.65	27.72	-70.00	-60.10	69.00
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	60.25	21.38	6.88	4.65	29.44	-70.00	-60.10	56.25
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	58.70	21.52	6.88	4.65	28.79	-70.00	-60.10	47.43
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.60	132.91	52.50	20.60	6.88	4.65	30.00	-121.10	-32.20	57.33
BDI00000	-3.00	29.94	-3.40	1.60	1.60	90.00	52.50	18.43	6.88	4.65	33.34	-30.50	90.40	50.10
BEL00000	52.60	5.16	50.62	1.60	1.60	90.00	52.50	18.83	6.88	4.65	29.17	-53.60	62.00	15.39
BEN00000	-30.60	2.28	9.30	1.60	1.60	90.00	52.50	20.05	6.88	4.65	28.01	-40.20	44.70	48.37
BERCAYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	56.50	21.80	6.88	4.65	37.89	-38.50	-27.10	35.55
BFA00000	10.20	-1.45	12.23	1.74	1.60	23.58	52.50	20.52	6.88	4.65	31.46	-54.60	46.20	67.27
BGD00000	133.00	90.16	23.96	1.60	1.60	90.00	52.50	19.65	6.88	4.65	32.28	44.60	135.50	32.17
BHR00000	20.40	50.60	26.07	1.60	1.60	90.00	52.50	18.09	6.88	4.65	33.38	-18.60	119.80	44.77
BLZ00000	-90.80	-88.61	17.24	1.60	1.60	90.00	52.50	18.36	6.88	4.65	33.42	-138.40	-38.70	68.24
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	54.65	21.37	6.88	4.65	37.33	-97.30	-23.20	44.96
BOT00000	19.90	23.99	-21.77	1.60	1.60	90.00	52.50	20.02	6.88	4.65	33.96	-41.70	89.90	59.11
BRB0IFRB	-101.00	-59.60	13.17	1.60	1.60	90.00	52.50	18.71	6.88	4.65	28.51	-110.80	-8.40	40.30
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	54.88	21.31	6.88	4.65	26.94	57.60	131.00	53.98
BRU0IFRB	157.30	114.60	4.50	1.60	1.60	90.00	52.50	19.10	6.88	4.65	41.16	71.50	157.70	40.51
BTN0IFRB	63.00	90.38	27.00	1.60	1.60	90.00	52.50	18.47	6.88	4.65	28.83	34.30	146.60	44.71
BUL00000	50.40	25.55	42.75	1.60	1.60	90.00	52.50	19.17	6.88	4.65	26.72	-20.60	71.50	32.09
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	53.66	20.91	6.88	4.65	31.62	-24.80	57.60	73.76
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	55.26	21.60	6.88	4.65	38.44	-108.00	-90.10	12.57
CAN0CENT	-111.10	-96.15	51.37	4.32	2.04	155.35	54.55	21.60	6.88	4.65	29.90	-115.10	-101.00	10.24
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	52.50	21.29	6.88	4.65	27.94	-119.00	-113.70	10.17
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	66.62	24.37	6.88	4.65	44.54	-169.80	-158.20	10.89
CBG0IFRB	96.10	105.06	12.85	1.60	1.60	90.00	52.50	19.59	6.88	4.65	32.02	61.20	144.20	68.33
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	61.44	21.61	6.88	4.65	35.49	-96.40	-53.60	11.48
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	61.99	21.68	6.88	4.65	31.77	90.40	139.40	25.55
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	58.47	21.32	6.88	4.65	33.40	75.00	151.30	50.09
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	56.99	21.12	6.88	4.65	29.89	-110.10	-39.90	70.19
CLN00000	121.50	80.09	7.67	1.60	1.60	90.00	52.50	18.78	6.88	4.65	30.09	28.10	131.90	41.35

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	53.75	20.99	6.88	4.65	35.31	-27.30	51.20	73.08
CNR00000	12.20	-15.86	28.51	1.60	1.60	90.00	52.50	18.74	6.88	4.65	39.51	-31.10	24.20	42.91
COG0IFRB	-16.00	14.79	-0.55	2.00	1.60	63.46	52.98	21.15	6.88	4.65	33.01	-24.70	56.50	49.72
COM0IFRB	94.50	44.10	-12.17	1.60	1.60	90.00	52.50	19.01	6.88	4.65	28.04	-7.30	95.50	31.11
CPV0IFRB	-85.70	-24.10	16.00	1.60	1.60	90.00	52.50	18.70	6.88	4.65	33.29	-94.70	46.50	18.99
CTI00000	4.60	-5.85	7.82	1.60	1.60	90.00	52.50	19.98	6.88	4.65	32.36	-15.00	27.10	71.21
CTR00000	-96.00	-85.32	8.18	1.60	1.60	90.00	52.50	19.76	6.88	4.65	37.29	-125.40	-44.00	70.80
CUB00000	-80.60	-79.54	21.02	1.99	1.60	171.62	52.50	20.75	6.88	4.65	28.88	-123.50	-36.10	62.58
CVA00000	35.40	12.50	41.88	1.60	1.60	90.00	52.50	18.39	6.88	4.65	5.91	-38.10	63.10	36.31
CYP00000	-2.60	33.20	35.10	1.60	1.60	90.00	52.50	18.45	6.88	4.65	30.65	-21.50	87.90	34.41
CYPSBA00	56.60	32.95	34.58	1.60	1.60	90.00	52.50	18.28	6.88	4.65	29.96	-44.70	59.20	42.56
D 00000	26.40	9.72	50.70	1.60	1.60	90.00	52.50	19.49	6.88	4.65	27.07	-30.40	53.10	25.20
DDR00000	38.70	12.60	51.36	1.60	1.60	90.00	52.50	19.27	6.88	4.65	26.73	-26.80	51.70	23.40
DJI0IFRB	-18.30	42.60	11.67	1.60	1.60	90.00	52.50	18.67	6.88	4.65	34.94	-28.40	113.60	20.29
DMA0IFRB	-69.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.17	6.88	4.65	28.82	-112.10	-10.50	69.59
DNK00001	-32.00	10.83	55.87	1.60	1.60	90.00	52.50	19.37	6.88	4.65	27.09	-40.80	62.20	14.33
DNK00002	-49.00	12.48	56.29	1.60	1.60	90.00	52.50	19.43	6.88	4.65	27.19	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	1.60	1.60	90.00	52.50	18.93	6.88	4.65	37.24	-50.00	-43.10	11.41
DOM0IFRB	-85.40	-70.40	18.67	1.60	1.60	90.00	52.50	18.25	6.88	4.65	27.12	-120.30	-20.50	62.17
E 00002	12.20	-2.98	39.86	2.08	1.60	7.95	52.50	20.66	6.88	4.65	29.18	-31.10	24.20	35.72
EGY00000	68.30	30.29	26.22	2.31	1.60	53.82	52.50	20.78	6.88	4.65	29.28	-10.30	69.50	30.96
EQA00000	-104.00	-83.13	-1.41	3.06	1.60	173.53	54.33	21.09	6.88	4.65	37.51	-104.00	-94.10	56.41
ETH00000	57.70	40.63	10.34	2.81	2.75	63.71	52.65	20.56	6.88	4.65	33.53	-4.00	85.00	59.00
F 00000	-0.10	3.11	45.89	2.13	1.60	167.72	52.50	20.97	6.88	4.65	15.77	-13.90	5.70	31.57
FJI0IFRB	148.80	178.50	-17.17	1.60	1.60	90.00	52.50	18.46	6.88	4.65	31.02	128.20	179.00	50.58
FLKSTGGL	-37.10	-46.81	-59.57	3.33	1.60	170.47	52.50	21.19	6.88	4.65	32.03	-38.50	-27.10	5.08
FNL00000	44.80	23.79	64.34	1.60	1.60	90.00	52.50	20.74	6.88	4.65	24.25	7.10	46.80	10.01
G 00000	-37.10	-4.15	53.88	1.61	1.60	151.35	52.50	20.99	6.88	4.65	26.03	-38.50	-27.10	14.76
GAB0IFRB	39.90	11.70	-0.74	1.60	1.60	90.00	52.50	20.22	6.88	4.65	27.40	-29.20	52.00	53.71
GDL00000	-0.10	-61.96	16.31	1.60	1.60	90.00	52.50	19.96	6.88	4.65	33.39	-13.90	5.70	17.29
GDL00002	-115.90	-61.76	16.37	1.60	1.60	90.00	52.50	19.68	6.88	4.65	34.36	-123.20	-81.20	25.66
GHA00000	16.00	-1.28	7.71	1.60	1.60	90.00	52.50	20.33	6.88	4.65	30.69	-41.70	39.30	64.57
GIB00000	56.60	-5.35	36.15	1.60	1.60	90.00	52.50	19.08	6.88	4.65	37.85	44.70	59.20	13.88
GMB00000	-34.00	-16.40	13.40	1.60	1.60	90.00	52.50	17.94	6.88	4.65	28.20	-77.30	44.50	64.24
GNB0IFRB	36.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	23.78	-76.50	45.70	29.36
GNE0IFRB	-32.30	10.50	1.67	1.60	1.60	90.00	52.50	19.10	6.88	4.65	29.22	-32.80	53.80	40.58
GRC00000	14.20	24.71	38.27	1.71	1.60	158.13	52.50	20.68	6.88	4.65	26.65	-8.90	56.80	40.24
GRD0IFRB	-104.70	-61.60	12.00	1.60	1.60	90.00	52.50	18.76	6.88	4.65	29.42	-113.00	-10.20	38.82
GRL00000	-49.00	-42.91	68.57	2.31	1.60	174.47	52.50	21.45	6.88	4.65	39.35	-50.00	-43.10	3.06
GTM00000	-135.70	-90.47	15.49	1.60	1.60	90.00	52.50	19.54	6.88	4.65	32.88	-139.30	-41.40	33.72
GUF00000	-0.10	-53.17	4.30	1.60	1.60	90.00	52.62	19.89	6.88	4.65	40.70	-13.90	5.70	28.24
GUF00002	-115.90	-53.28	4.30	1.60	1.60	90.00	53.48	20.58	6.88	4.65	43.79	-123.20	-81.20	17.64
GUI0IFRB	27.50	-10.87	10.20	1.60	1.60	90.00	52.50	20.24	6.88	4.65	34.82	-51.80	33.80	39.68
GUMMRA00	-159.00	-214.55	16.73	1.69	1.60	78.62	52.71	21.73	6.88	4.65	42.49	-169.80	-158.20	21.33
GUY00000	-24.10	-59.18	4.73	1.60	1.60	90.00	52.50	20.57	6.88	4.65	27.66	-100.10	-18.30	46.47
HKG00000	56.60	114.50	22.42	1.60	1.60	90.00	52.50	19.36	6.88	4.65	40.97	44.70	59.20	21.33
HND00000	-76.20	-86.11	15.42	1.60	1.60	90.00	52.50	20.01	6.88	4.65	28.70	-123.80	-48.10	66.37
HNG00000	-22.10	19.17	47.13	1.60	1.60	90.00	52.50	19.04	6.88	4.65	27.03	-22.20	62.40	20.08
HOL00000	-5.70	5.35	52.44	1.60	1.60	90.00	52.50	18.60	6.88	4.65	25.94	-50.10	1.90	27.32
HTI0IFRB	-92.00	-73.00	18.83	1.60	1.60	90.00	52.50	18.30	6.88	4.65	32.10	-122.90	-23.10	59.04
HWA00000	-159.00	-157.60	20.74	1.60	1.60	90.00	52.50	19.77	6.88	4.65	41.50	-169.80	-158.20	63.94
HWL00000	-159.00	-176.58	0.08	1.60	1.60	90.00	52.50	18.17	6.88	4.65	41.56	-169.80	-158.20	69.37

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I 00000	-28.80	11.17	40.93	2.11	1.60	140.41	52.50	21.10	6.88	4.65	25.24	-32.90	54.10	22.44
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	63.93	21.43	6.88	4.65	32.28	101.10	135.00	58.31
IRL00000	15.20	-8.12	53.25	1.60	1.60	90.00	52.50	19.00	6.88	4.65	29.75	-41.00	25.70	23.69
IRN00000	25.80	54.27	32.98	3.67	1.60	143.55	52.50	20.97	6.88	4.65	31.34	20.10	50.00	33.68
IRQ00000	51.70	44.25	33.13	1.81	1.60	165.93	52.50	20.32	6.88	4.65	28.08	5.10	82.50	46.12
ISL00000	-35.50	-18.17	64.94	1.60	1.60	90.00	52.50	19.49	6.88	4.65	28.75	-53.00	14.80	13.77
ISR00000	73.00	35.04	31.32	1.60	1.60	90.00	52.50	18.99	6.88	4.65	27.40	-8.00	78.40	34.21
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	59.80	21.49	6.88	4.65	35.91	94.40	170.90	36.55
JAR00000	-159.00	-160.00	-0.38	1.60	1.60	90.00	52.50	18.07	6.88	4.65	41.68	-169.80	-158.20	88.74
JMC00000	-102.50	-77.59	18.18	1.60	1.60	90.00	52.50	18.41	6.88	4.65	37.15	-127.50	-27.80	54.45
JON00000	-159.00	-168.50	17.00	1.60	1.60	90.00	52.50	17.80	6.88	4.65	41.48	-169.80	-158.20	67.24
JOR00000	85.50	36.39	31.11	1.60	1.60	90.00	52.50	19.15	6.88	4.65	9.23	-28.80	102.90	24.76
KEN00000	78.20	38.45	0.81	2.07	1.60	95.27	52.50	20.73	6.88	4.65	28.00	-10.40	86.30	38.89
KER00000	113.00	69.28	-43.94	1.86	1.60	168.87	52.50	21.27	6.88	4.65	41.41	113.00	114.30	10.90
KIR0IFRB	150.00	173.00	1.00	1.60	1.60	90.00	52.50	18.25	6.88	4.65	34.25	120.60	179.00	63.05
KOR00000	116.20	127.68	34.17	1.60	1.60	90.00	52.50	19.47	6.88	4.65	31.48	83.00	169.60	43.61
KRE00000	145.00	127.80	39.82	1.60	1.60	90.00	52.50	20.38	6.88	4.65	29.96	110.10	150.00	38.11
KWT00000	34.60	47.65	29.07	1.60	1.60	90.00	52.50	18.10	6.88	4.65	5.02	-20.20	115.30	52.11
LAO0IFRB	142.00	104.11	18.15	1.60	1.60	90.00	52.50	20.85	6.88	4.65	31.91	56.60	149.90	37.68
LBN00000	-19.30	35.80	33.83	1.60	1.60	90.00	52.50	18.67	6.88	4.65	35.27	-31.60	103.20	20.22
LBR00000	-41.80	-8.94	6.50	1.60	1.60	90.00	52.50	19.57	6.88	4.65	35.53	-50.40	35.50	49.57
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	53.23	20.85	6.88	4.65	30.86	-19.20	54.90	47.46
LIE00000	7.90	9.50	47.20	1.60	1.60	90.00	52.50	18.32	6.88	4.65	27.07	-30.00	15.00	35.73
LSO0IFRB	-18.70	28.40	-29.50	1.60	1.60	90.00	52.50	18.45	6.88	4.65	35.47	-40.10	96.90	28.72
MAC00000	117.00	113.57	22.17	1.60	1.60	90.00	52.50	18.23	6.88	4.65	29.03	64.70	162.40	63.75
MAU0IFRB	92.20	57.50	-20.17	1.60	1.60	90.00	52.50	18.61	6.88	4.65	33.71	8.00	107.20	44.30
MCO00000	41.40	7.40	43.67	1.60	1.60	90.00	52.50	18.70	6.88	4.65	27.44	-41.80	56.60	29.27
MDG0IFRB	16.80	46.60	-18.69	2.58	1.60	66.24	54.60	21.44	6.88	4.65	40.66	10.40	81.10	45.48
MDR00000	-7.30	-16.16	31.56	1.60	1.60	90.00	52.50	18.29	6.88	4.65	38.38	-41.90	6.70	50.28
MDW00000	-159.00	-177.42	28.22	1.60	1.60	90.00	52.50	18.00	6.88	4.65	42.05	-169.80	-158.20	51.30
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	57.52	21.48	6.88	4.65	28.22	-136.10	-61.00	39.11
MLA00000	78.50	108.21	4.68	3.16	1.60	0.42	55.77	21.60	6.88	4.65	28.62	76.40	143.20	42.40
MLD0IFRB	117.60	73.40	2.48	2.21	1.60	88.03	52.50	21.27	6.88	4.65	27.95	21.10	124.90	37.92
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	54.52	20.79	6.88	4.65	33.47	-59.90	43.30	60.62
MLT00000	5.60	14.36	35.93	1.60	1.60	90.00	52.50	18.20	6.88	4.65	29.13	-39.80	68.50	47.17
MNG00000	113.60	103.75	46.82	3.64	1.60	2.57	52.50	21.07	6.88	4.65	32.75	60.40	148.90	28.71
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.60	98.03	54.42	21.73	6.88	4.65	30.27	-10.60	90.60	21.83
MRC00000	32.70	-8.86	27.94	3.39	1.60	44.55	52.50	21.21	6.88	4.65	26.48	-50.50	37.50	29.66
MRL00000	-159.00	-184.72	8.73	2.33	1.60	93.55	53.46	21.22	6.88	4.65	42.10	-169.80	-158.20	52.82
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	52.50	20.65	6.88	4.65	28.23	-72.80	44.20	54.31
MWI0IFRB	29.70	34.15	-13.30	1.60	1.60	90.00	52.50	19.96	6.88	4.65	31.49	-25.00	93.70	68.87
MYT00000	-0.10	45.20	-12.83	1.60	1.60	90.00	52.50	18.83	6.88	4.65	39.22	-13.90	5.70	36.27
NCG0IFRB	-84.40	-84.88	12.91	1.60	1.60	90.00	52.50	19.43	6.88	4.65	30.58	-124.40	-45.90	72.33
NCL00000	113.00	165.79	-21.41	1.60	1.60	90.00	52.50	19.43	6.88	4.65	32.74	113.00	114.30	24.44
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	52.50	21.05	6.88	4.65	29.94	-54.50	64.60	25.60
NIG00000	42.00	7.85	9.80	2.48	1.60	44.10	54.33	21.48	6.88	4.65	27.21	-29.60	49.60	43.99
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	52.50	20.50	6.88	4.65	34.50	-45.40	82.50	55.61
NOR00000	3.90	11.71	64.57	1.97	1.60	16.53	52.50	21.30	6.88	4.65	26.94	2.90	29.10	3.05
NPL0IFRB	123.30	84.40	27.96	1.60	1.60	90.00	52.50	19.23	6.88	4.65	31.69	30.30	137.60	32.52
NRU0IFRB	146.00	166.90	-0.50	1.60	1.60	90.00	52.50	18.21	6.88	4.65	32.65	114.50	179.00	65.50
NZL00001	152.00	170.92	-44.80	5.35	1.60	48.53	54.68	21.89	6.88	4.65	32.97	150.90	175.00	3.06
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	54.83	21.71	6.88	4.65	34.04	150.90	175.00	29.33

ITU - RADIOCOMMUNICATION

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	55.02	21.07	6.88	4.65	48.28	-123.20	-81.20	44.85
OMA00000	104.00	55.09	21.60	1.94	1.60	60.61	52.50	20.80	6.88	4.65	28.54	-9.80	122.20	27.93
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	52.50	21.22	6.88	4.65	29.15	34.10	62.00	30.87
PHL0IFRB	89.60	121.25	11.35	3.33	1.60	100.96	55.79	21.65	6.88	4.65	30.46	83.00	159.80	45.90
PLM00000	-159.00	-161.42	7.00	1.60	1.60	90.00	52.50	18.08	6.88	4.65	41.73	-169.80	-158.20	81.28
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	55.93	21.02	6.88	4.65	34.02	114.20	179.00	71.27
PNR0IFRB	-79.20	-80.16	8.54	1.60	1.60	90.00	52.50	19.57	6.88	4.65	29.46	-120.00	-40.40	78.04
POL00000	16.30	19.21	51.75	1.60	1.60	90.00	52.50	19.79	6.88	4.65	26.38	-14.80	56.40	27.44
POR00000	-7.30	-8.00	39.65	1.60	1.60	90.00	52.50	18.76	6.88	4.65	30.12	-41.90	6.70	41.62
PRG00000	-81.50	-58.71	-23.10	1.60	1.60	90.00	52.50	20.96	6.88	4.65	32.17	-90.40	-23.20	47.09
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	56.69	21.28	6.88	4.65	36.93	-120.40	-38.20	58.99
PTC00000	-62.00	-130.10	-25.07	1.60	1.60	90.00	52.50	18.77	6.88	4.65	40.74	-62.60	-58.50	11.22
QAT00000	8.30	51.58	25.44	1.60	1.60	90.00	52.50	18.40	6.88	4.65	33.01	-16.90	120.00	32.91
REU00000	-0.10	55.56	-21.12	1.60	1.60	90.00	52.50	19.33	6.88	4.65	41.51	-13.90	5.70	23.30
REU00002	113.00	55.58	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	39.95	113.00	114.30	21.57
ROU00000	44.10	25.38	45.58	1.60	1.60	90.00	52.50	20.28	6.88	4.65	16.94	-1.00	51.00	30.82
RRW00000	6.80	29.73	-1.89	1.60	1.60	90.00	52.50	18.09	6.88	4.65	36.45	-30.90	90.80	61.71
S 00000	11.30	16.68	60.88	1.60	1.60	90.00	52.50	19.79	6.88	4.65	27.80	-7.00	47.10	12.20
SCN0IFRB	-88.80	-62.90	17.33	1.60	1.60	90.00	52.50	18.39	6.88	4.65	29.87	-113.20	-12.60	54.09
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	52.85	20.97	6.88	4.65	21.90	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	52.50	20.72	6.88	4.65	21.83	-7.00	15.00	42.79
SEN00000	-48.40	-13.99	14.06	1.60	1.60	90.00	52.50	19.67	6.88	4.65	30.89	-64.40	34.30	45.07
SEY0IFRB	96.50	55.40	-4.50	1.60	1.60	90.00	52.50	18.66	6.88	4.65	29.80	3.10	107.70	42.28
SLM0IFRB	147.50	158.99	-9.05	1.60	1.60	90.00	52.50	20.54	6.88	4.65	31.73	120.40	179.00	68.27
SLV0IFRB	-130.50	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	29.48	-130.50	-47.50	40.05
SMA00000	-159.00	-170.70	-14.22	1.60	1.60	90.00	52.50	17.79	6.88	4.65	40.85	-169.80	-158.20	68.49
SMO00000	-125.50	-172.11	-13.73	1.60	1.60	90.00	52.50	18.94	6.88	4.65	32.00	-175.00	-121.70	34.01
SMR00000	22.40	12.46	43.95	1.60	1.60	90.00	52.50	18.34	6.88	4.65	27.66	-36.40	61.40	38.34
SNG00000	98.10	103.85	1.28	1.60	1.60	90.00	52.50	18.36	6.88	4.65	32.71	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.60	72.34	52.50	21.24	6.88	4.65	29.61	-20.00	102.70	24.66
SPM00000	-0.10	-56.40	46.96	1.60	1.60	90.00	52.50	19.04	6.88	4.65	41.67	-13.90	5.70	13.76
SRL0IFRB	-51.80	-11.90	8.50	1.60	1.60	90.00	52.50	18.64	6.88	4.65	31.99	-63.80	40.00	43.01
STP0IFRB	33.40	7.00	1.00	1.60	1.60	90.00	52.50	18.30	6.88	4.65	22.22	-45.40	59.40	59.14
SUI00000	-8.60	8.16	46.49	1.60	1.60	90.00	52.50	18.67	6.88	4.65	25.92	-20.00	35.00	32.63
SUR0IFRB	-77.00	-55.63	3.93	1.60	1.60	90.00	52.50	19.28	6.88	4.65	30.81	-97.00	-15.00	62.27
SWZ00000	33.10	31.29	-26.35	1.60	1.60	90.00	52.50	18.02	6.88	4.65	23.58	-26.80	89.20	58.54
SYR00000	64.30	39.24	34.64	1.60	1.60	90.00	52.50	19.99	6.88	4.65	27.83	10.10	70.00	38.58
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	53.27	20.98	6.88	4.65	34.43	-36.50	67.50	45.39
TCH00000	-12.70	17.32	49.59	1.60	1.60	90.00	52.50	19.95	6.88	4.65	23.05	-21.30	54.40	24.43
TGO00000	-21.10	0.83	8.58	1.60	1.60	90.00	52.50	19.55	6.88	4.65	29.93	-41.00	43.40	61.36
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	54.41	21.25	6.88	4.65	28.83	58.60	137.20	55.69
TON0IFRB	-128.00	-175.17	-21.17	1.60	1.60	90.00	52.50	18.97	6.88	4.65	32.24	-175.00	-126.00	31.98
TRD00000	-73.40	-61.09	10.83	1.60	1.60	90.00	52.50	18.19	6.88	4.65	28.21	-112.30	-9.90	70.23
TUN00000	-4.60	9.28	33.46	1.60	1.60	90.00	52.50	19.64	6.88	4.65	29.30	-29.00	48.40	43.84
TUR00000	9.40	34.11	38.87	2.80	1.60	170.97	52.50	21.09	6.88	4.65	29.48	7.10	61.60	31.45
TUV00000	158.00	179.16	-8.50	1.60	1.60	90.00	52.50	18.24	6.88	4.65	41.10	127.30	179.00	63.33
TZA0IFRB	69.50	35.43	-5.93	2.41	1.60	117.15	52.50	20.69	6.88	4.65	33.18	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.60	1.60	90.00	52.50	18.92	6.88	4.65	35.28	-12.70	120.30	53.90
UGA0IFRB	32.30	32.17	0.95	1.60	1.60	90.00	52.50	19.68	6.88	4.65	26.46	-27.20	91.60	84.88
URG00000	-86.10	-56.26	-33.70	1.60	1.60	90.00	52.50	19.32	6.88	4.65	33.29	-108.90	-3.50	37.60
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	58.91	21.71	6.88	4.65	31.70	56.70	65.40	8.50
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	61.55	21.71	6.88	4.65	25.34	87.70	98.00	7.06

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

DOCUMENTATION

PAG. 5
SLT. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	58.94	21.71	6.88	4.65	34.39	138.50	140.60	6.02
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	61.48	22.00	6.88	4.65	31.51	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	1.60	1.60	90.00	52.50	19.39	6.88	4.65	34.39	-130.30	-63.50	22.27
VCT0IFRB	-93.10	-61.10	13.17	1.60	1.60	90.00	52.50	18.47	6.88	4.65	30.59	-112.30	-9.90	50.10
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	55.05	21.09	6.88	4.65	30.03	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	1.60	1.60	90.00	52.50	18.27	6.88	4.65	29.98	-102.50	-24.70	61.34
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	57.10	21.16	6.88	4.65	28.63	85.10	125.00	62.78
VUT0IFRB	150.70	168.41	-17.16	1.60	1.60	90.00	52.50	19.71	6.88	4.65	30.08	127.40	179.00	58.03
WAK00000	-159.00	-193.50	19.20	1.60	1.60	90.00	52.50	18.10	6.88	4.65	41.96	-169.80	-158.20	44.97
WAL00000	113.00	182.85	-13.80	1.60	1.60	90.00	53.12	20.23	6.88	4.65	33.71	113.00	114.30	10.03
YEM0IFRB	27.00	44.21	15.06	1.60	1.60	90.00	52.50	18.65	6.88	4.65	33.68	-24.30	113.20	60.40
YMS00000	108.00	49.91	14.76	1.60	1.60	90.00	52.50	20.26	6.88	4.65	30.03	-16.40	114.40	16.47
YUG00000	31.20	18.47	44.26	1.60	1.60	90.00	52.50	19.81	6.88	4.65	26.73	-25.80	60.20	33.83
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	59.53	21.58	6.88	4.65	34.34	-23.60	62.60	44.49
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.60	25.92	52.50	20.39	6.88	4.65	19.50	-27.90	82.50	64.58
ZWE00000	42.50	29.87	-18.91	1.72	1.60	161.53	52.50	20.31	6.88	4.65	25.70	-27.00	85.50	60.06
URSSTAD1	-26.50	-26.50	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	5.79	-27.00	-26.00	8.71
URSSTAD2	-170.00	-170.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	14.79	-170.50	-169.50	10.19
URSSTAD3	35.00	35.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	4.35	34.50	35.50	9.78
URSSTAD4	45.00	45.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	4.08	44.50	45.50	9.78
URSSTAD5	85.00	85.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	2.01	84.50	85.50	9.78
URSSTAD6	128.00	128.00	0.00	17.30	17.30	90.00	160.00	20.20	15.00	4.65	12.59	127.50	128.50	9.78
URSFOT-1	-13.50	-13.50	0.00	17.30	17.30	90.00	160.00	12.80	15.00	4.65	10.34	-14.00	-13.00	8.71
URSFOT-2	80.00	80.00	0.00	17.30	17.30	90.00	160.00	12.80	15.00	4.65	32.27	79.50	80.50	9.78
URSFOT-3	-168.00	-168.00	0.00	17.30	17.30	90.00	160.00	12.80	15.00	4.65	33.21	-168.50	-167.50	10.19
INSAT-2A	83.00	81.80	23.20	5.60	4.00	54.00	60.80	26.50	6.88	4.65	36.06	83.00	83.00	46.35
INSAT-2B	93.50	82.40	23.20	5.70	3.80	51.00	60.80	26.50	6.88	4.65	34.81	93.50	93.50	42.69
INSAT-2C	74.00	81.30	23.30	5.30	4.10	62.00	60.80	26.50	6.88	4.65	38.90	74.00	74.00	47.01
PNGP1B01	167.45	157.00	-4.00	16.00	7.50	153.00	56.70	125.00	6.88	12.00	37.83	167.45	167.45	16.21
PNGP1B02	167.45	198.00	18.00	2.80	2.80	90.00	56.70	125.00	6.88	12.00	59.12	167.45	167.45	41.90
PNGP2B01	-175.00	-190.00	-6.00	16.00	7.50	122.00	56.70	125.00	6.88	12.00	37.35	-175.00	-175.00	1.30
PNGP2B02	-175.00	-155.00	24.00	2.80	2.80	90.00	56.70	125.00	6.88	12.00	54.93	-175.00	-175.00	57.72
USA13IB1	-45.00	-59.60	-1.10	16.19	7.42	100.00	61.10	124.90	6.88	12.00	37.31	-47.00	-43.00	19.85
USA13IB2	-45.00	-5.20	40.40	2.34	1.93	144.00	61.10	124.90	6.88	12.00	40.72	-47.00	-43.00	16.47
USA13HB1	-57.00	-61.50	-2.90	16.91	7.56	103.00	61.10	124.90	6.88	12.00	32.76	-59.00	-55.00	21.60
USA13HB2	-57.00	-6.40	40.10	2.36	1.60	127.00	61.10	124.90	6.88	12.00	49.72	-59.00	-55.00	8.00
LUXGDL41	-20.00	3.27	46.90	2.50	2.00	150.00	62.50	135.50	6.88	12.00	39.07	-20.00	-20.00	27.42
LUXGDL51	1.00	3.24	47.15	3.10	1.60	26.00	62.50	135.50	6.88	12.00	31.56	1.00	1.00	32.30
LUXGDL61	19.20	3.63	45.91	3.10	1.60	30.00	62.50	135.50	6.88	12.00	40.52	19.20	19.20	31.14

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
URSEEDRN	-160.00	-219.50	53.17	0.97	0.97	90.00	160.00	33.00	15.00	11.20	34.54	-160.00	-160.00	7.18
ALS00000	-159.00	-158.56	57.52	6.27	1.52	0.93	62.53	31.32	13.00	11.20	40.82	-169.80	-158.20	9.91
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	73.92	39.05	13.00	11.20	52.51	-169.80	-158.20	10.89
GUMMRA00	-159.00	-214.55	16.73	1.69	0.99	78.62	60.93	37.79	13.00	11.20	47.46	-169.80	-158.20	21.33
HWA00000	-159.00	-157.60	20.74	1.23	1.00	156.68	58.65	34.86	13.00	11.20	57.77	-169.80	-158.20	63.94
HWL00000	-159.00	-176.58	0.08	0.80	0.80	90.00	53.61	32.64	13.00	11.20	56.71	-169.80	-158.20	69.37
JAR00000	-159.00	-160.00	-0.38	0.80	0.80	90.00	53.40	32.46	13.00	11.20	57.28	-169.80	-158.20	88.74
JON00000	-159.00	-168.50	17.00	0.80	0.80	90.00	50.70	27.55	13.00	11.20	50.10	-169.80	-158.20	67.24
MDW00000	-159.00	-177.42	28.22	0.80	0.80	90.00	50.70	27.85	13.00	11.20	45.94	-169.80	-158.20	51.30
MRL00000	-159.00	-184.72	8.73	2.33	1.45	93.55	63.59	37.40	13.00	11.20	55.77	-169.80	-158.20	52.82
PLM00000	-159.00	-161.42	7.00	0.80	0.80	90.00	53.34	32.42	13.00	11.20	57.67	-169.80	-158.20	81.28
SMA00000	-159.00	-170.70	-14.22	0.80	0.80	90.00	50.70	27.53	13.00	11.20	43.00	-169.80	-158.20	68.49
WAK00000	-159.00	-193.50	19.20	0.80	0.80	90.00	50.70	28.02	13.00	11.20	47.40	-169.80	-158.20	44.97
GTM00000	-135.70	-90.47	15.49	0.80	0.80	90.00	56.75	37.79	13.00	11.20	31.24	-139.30	-41.40	33.72
SLV0IFRB	-130.50	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	27.10	-130.50	-47.50	40.05
TON0IFRB	-128.00	-175.17	-21.17	0.80	0.80	90.00	54.21	35.25	13.00	11.20	45.50	-175.00	-126.00	31.98
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	69.54	37.68	13.00	11.20	27.70	-136.10	-61.00	39.11
SMO00000	-125.50	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	42.68	-175.00	-121.70	34.01
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	73.08	38.29	13.00	11.20	31.26	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	0.80	0.80	90.00	54.42	35.46	13.00	11.20	33.66	-130.30	-63.50	22.27
GDL00002	-115.90	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	35.06	-123.20	-81.20	25.66
GUF00002	-115.90	-53.28	4.30	0.80	0.80	90.00	55.55	36.60	13.00	11.20	40.24	-123.20	-81.20	17.64
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	67.70	35.84	13.00	11.20	52.39	-123.20	-81.20	44.85
CAN0WEST	-114.90	-120.09	57.39	3.06	1.85	173.00	60.29	31.34	13.00	11.20	23.70	-119.00	-113.70	10.17
CAN0CENT	-111.10	-96.15	51.37	4.32	2.04	155.35	64.80	33.28	13.00	11.20	27.99	-115.10	-101.00	10.24
CANMSAT0	-106.50	-95.90	42.90	8.56	3.91	164.00	68.70	129.00	13.00	12.00	34.47	-106.50	-106.50	7.56
GRD0IFRB	-104.70	-61.60	12.00	0.80	0.80	90.00	54.08	35.12	13.00	11.20	29.72	-113.00	-10.20	38.82
EQA00000	-104.00	-83.13	-1.41	3.06	1.44	173.53	64.67	37.33	13.00	11.20	40.18	-104.00	-94.10	56.41
JMC00000	-102.50	-77.59	18.18	0.80	0.80	90.00	53.93	33.58	13.00	11.20	39.56	-127.50	-27.80	54.45
BRB0IFRB	-101.00	-59.60	13.17	0.80	0.80	90.00	54.06	34.98	13.00	11.20	30.21	-110.80	-8.40	40.30
ABW00000	-98.20	-69.05	12.41	0.80	0.80	90.00	54.48	34.24	13.00	11.20	34.10	-119.40	-18.90	52.23
CAN0EAST	-97.60	-75.19	50.21	4.86	2.01	158.05	66.38	34.07	13.00	11.20	37.64	-108.00	-90.10	12.57
CTR00000	-96.00	-85.32	8.18	1.29	1.00	64.42	58.80	36.79	13.00	11.20	39.50	-125.40	-44.00	70.80
VCT0IFRB	-93.10	-61.10	13.17	0.80	0.80	90.00	53.90	33.83	13.00	11.20	32.51	-112.30	-9.90	50.10
HTI0IFRB	-92.00	-73.00	18.83	0.80	0.80	90.00	53.77	33.13	13.00	11.20	34.54	-122.90	-23.10	59.04
BLZ00000	-90.80	-88.61	17.24	0.80	0.80	90.00	54.37	33.39	13.00	11.20	32.88	-138.40	-38.70	68.24
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	67.79	37.55	13.00	11.20	38.75	-120.40	-38.20	58.99
SCN0IFRB	-88.80	-62.90	17.33	0.80	0.80	90.00	53.83	33.49	13.00	11.20	32.87	-113.20	-12.60	54.09
URG00000	-86.10	-56.26	-33.70	1.06	0.96	58.09	54.44	32.27	13.00	11.20	29.54	-108.90	-3.50	37.60
CPV0IFRB	-85.70	-24.10	16.00	0.80	0.80	90.00	50.70	29.63	13.00	11.20	34.26	-94.70	46.50	18.99
DOM0IFRB	-85.40	-70.40	18.67	0.80	0.80	90.00	53.74	32.94	13.00	11.20	29.57	-120.30	-20.50	62.17
NCG0IFRB	-84.40	-84.88	12.91	1.10	0.98	15.55	58.10	36.87	13.00	11.20	31.94	-124.40	-45.90	72.33
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	65.82	37.29	13.00	11.20	34.49	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	0.80	0.80	90.00	53.75	33.01	13.00	11.20	32.51	-102.50	-24.70	61.34
PRG00000	-81.50	-58.71	-23.10	1.52	1.27	116.22	61.00	37.25	13.00	11.20	33.10	-90.40	-23.20	47.09
CUB00000	-80.60	-79.54	21.02	1.99	0.97	171.62	61.02	35.42	13.00	11.20	30.91	-123.50	-36.10	62.58
PNR0IFRB	-79.20	-80.16	8.54	1.21	1.00	177.09	58.48	36.76	13.00	11.20	30.32	-120.00	-40.40	78.04
ATG0IFRB	-77.70	-61.80	17.00	0.80	0.80	90.00	53.73	32.92	13.00	11.20	31.59	-112.20	-11.40	62.96
SUR0IFRB	-77.00	-55.63	3.93	0.96	0.95	37.37	57.34	34.85	13.00	11.20	29.15	-97.00	-15.00	62.27
HND00000	-76.20	-86.11	15.42	1.35	1.00	26.04	59.10	36.90	13.00	11.20	31.10	-123.80	-48.10	66.37
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	69.90	31.57	13.00	11.20	31.55	-96.40	-53.60	11.48
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.00	132.91	60.11	35.53	13.00	11.20	31.36	-121.10	-32.20	57.33

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2
SLT.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TRD00000	-73.40	-61.09	10.83	0.80	0.80	90.00	53.67	32.71	13.00	11.20	28.83	-112.30	-9.90	70.23
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	68.00	37.37	13.00	11.20	31.05	-110.10	-39.90	70.19
DMA0IFRB	-69.60	-61.30	15.33	0.80	0.80	90.00	53.62	32.65	13.00	11.20	29.19	-112.10	-10.50	69.59
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	69.78	37.78	13.00	11.20	28.35	-70.00	-60.10	47.43
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	70.72	37.59	13.00	11.20	27.32	-70.00	-60.10	69.00
PTC00000	-62.00	-130.10	-25.07	0.80	0.80	90.00	50.70	28.49	13.00	11.20	34.73	-62.60	-58.50	11.22
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	71.28	37.63	13.00	11.20	30.03	-70.00	-60.10	56.25
USA13EB1	-58.00	-3.10	46.90	3.70	1.00	142.08	160.00	29.70	15.00	11.20	25.27	-58.00	-58.00	4.47
USA13HB3	-57.00	-69.40	24.50	6.28	4.30	119.00	160.00	25.60	15.00	11.20	32.60	-59.00	-55.00	32.67
USA13HB4	-57.00	-59.40	-10.60	13.21	9.34	104.00	160.00	26.60	15.00	11.20	29.80	-59.00	-55.00	21.60
USA13DB1	-56.00	-3.00	47.00	3.70	1.00	143.00	160.00	29.70	15.00	11.20	23.80	-56.00	-56.00	6.01
SRL0IFRB	-51.80	-11.90	8.50	0.80	0.80	90.00	54.02	34.64	13.00	11.20	33.08	-63.80	40.00	43.01
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	70.32	38.10	13.00	11.20	38.72	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.32	153.53	59.49	31.39	13.00	11.20	34.82	-58.40	-51.00	7.80
DNK00002	-49.00	12.48	56.29	0.80	0.80	90.00	52.70	32.35	13.00	11.20	31.35	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	0.80	0.80	90.00	50.70	30.47	13.00	11.20	33.57	-50.00	-43.10	11.41
GRL00000	-49.00	-42.91	68.57	2.31	1.00	174.47	57.57	32.23	13.00	11.20	39.41	-50.00	-43.10	3.06
SEN00000	-48.40	-13.99	14.06	1.15	0.97	148.19	58.55	36.15	13.00	11.20	36.66	-64.40	34.30	45.07
USA13IB3	-45.00	-68.30	23.90	5.96	4.14	99.00	160.00	28.60	15.00	11.20	37.65	-47.00	-43.00	24.92
USA13IB4	-45.00	-56.20	-10.70	13.36	8.48	109.00	160.00	29.60	15.00	11.20	34.47	-47.00	-43.00	19.85
LBR00000	-41.80	-8.94	6.50	0.80	0.80	90.00	56.86	37.90	13.00	11.20	40.42	-50.40	35.50	49.57
AND00000	-41.00	1.53	42.52	0.80	0.80	90.00	50.70	30.05	13.00	11.20	28.68	-48.60	51.70	25.03
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	60.33	32.71	13.00	11.20	28.23	-54.50	64.60	25.60
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	62.97	31.36	13.00	11.20	34.23	-38.50	-27.10	39.69
BERCAYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	68.28	38.13	13.00	11.20	41.15	-38.50	-27.10	35.55
FLKSTHTC	-37.10	-46.81	-59.57	3.73	1.43	170.47	59.96	31.32	13.00	11.20	33.16	-38.50	-27.10	5.08
G 00000	-37.10	-4.15	53.88	1.61	1.00	151.35	56.19	32.22	13.00	11.20	26.07	-38.50	-27.10	14.76
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.36	78.07	62.01	34.14	13.00	11.20	37.13	-37.20	74.10	21.20
ISL00000	-35.50	-18.17	64.94	0.80	0.80	90.00	52.34	32.50	13.00	11.20	31.40	-53.00	14.80	13.77
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	65.22	37.54	13.00	11.20	39.32	-97.30	-23.20	44.96
GMB00000	-34.00	-16.40	13.40	0.80	0.80	90.00	50.70	28.99	13.00	11.20	26.09	-77.30	44.50	64.24
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	64.33	33.38	13.00	11.20	24.07	-45.30	52.00	28.89
GNE0IFRB	-32.30	10.50	1.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.62	-32.80	53.80	40.58
DNK00001	-32.00	10.83	55.87	0.80	0.80	90.00	51.61	31.82	13.00	11.20	6.18	-40.80	62.20	14.33
EIREB100	-31.00	-78.40	39.10	6.12	1.45	46.00	53.40	39.20	13.00	11.20	29.10	-31.00	-31.00	7.75
EIREB200	-31.00	0.30	46.80	3.61	1.75	145.00	53.40	36.90	13.00	11.20	11.00	-31.00	-31.00	13.73
BEN00000	-30.60	2.28	9.30	1.23	1.00	89.43	58.80	37.01	13.00	11.20	29.38	-40.20	44.70	48.37
I 00000	-28.80	11.17	40.93	2.11	1.00	140.41	59.39	33.69	13.00	11.20	19.33	-32.90	54.10	22.44
GUY00000	-24.10	-59.18	4.73	1.39	1.00	93.91	59.51	37.18	13.00	11.20	42.78	-100.10	-18.30	46.47
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	61.03	31.63	13.00	11.20	30.47	-72.80	44.20	54.31
HNG00000	-22.10	19.17	47.13	0.80	0.80	90.00	52.71	32.27	13.00	11.20	13.30	-22.20	62.40	20.08
TGO00000	-21.10	0.83	8.58	1.12	1.00	116.38	58.19	36.80	13.00	11.20	34.28	-41.00	43.40	61.36
LUXGDL42	-20.00	2.02	46.53	3.80	2.20	172.00	160.00	39.00	15.00	11.20	34.36	-20.00	-20.00	27.42
LBN00000	-19.30	35.80	33.83	0.80	0.80	90.00	50.70	29.49	13.00	11.20	18.63	-31.60	103.20	20.22
F LSAT1	-19.00	-4.00	50.80	1.50	1.50	90.00	74.00	140.00	13.00	12.00	51.46	-19.00	-19.00	18.46
F LSAT2	-19.00	5.00	47.40	1.50	1.50	90.00	74.00	140.00	13.00	12.00	42.65	-19.00	-19.00	19.42
F LSAT3	-19.00	14.00	44.50	1.50	1.50	90.00	74.00	140.00	13.00	12.00	41.39	-19.00	-19.00	17.17
F LSAT4	-19.00	15.70	62.60	1.50	1.50	90.00	74.00	140.00	13.00	12.00	49.67	-19.00	-19.00	12.35
F LSAT5	-19.00	-5.20	40.00	1.50	1.50	90.00	74.00	140.00	13.00	12.00	49.14	-19.00	-19.00	31.87
LS00IFRB	-18.70	28.40	-29.50	0.80	0.80	90.00	50.70	28.93	13.00	11.20	29.96	-40.10	96.90	28.72
DJI0IFRB	-18.30	42.60	11.67	0.80	0.80	90.00	50.70	29.49	13.00	11.20	29.86	-28.40	113.60	20.29
AUT00000	-17.10	13.66	47.65	0.80	0.80	90.00	53.05	32.86	13.00	11.20	6.71	-18.60	46.40	25.75

PUBLICATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
COG0IFRB	-16.00	14.79	-0.55	2.00	1.09	63.46	61.61	37.33	13.00	11.20	35.12	-24.70	-56.50	49.72
URSWWDRN	-16.00	40.57	56.18	0.97	0.97	90.00	160.00	33.00	15.00	11.20	28.01	-16.00	-16.00	7.95
URSZZRB1	-16.00	40.80	55.70	1.14	1.14	90.00	160.00	29.60	15.00	11.20	23.58	-16.00	-16.00	3.20
TCH00000	-12.70	17.32	49.59	1.25	1.00	165.56	55.77	32.65	13.00	11.20	20.25	-21.30	54.40	24.43
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	65.93	35.80	13.00	11.20	38.07	-36.50	67.50	45.39
SUI00000	-8.60	8.16	46.49	0.80	0.80	90.00	50.70	30.61	13.00	11.20	21.12	-20.00	35.00	32.63
AZR00000	-7.30	-28.01	38.69	0.80	0.80	90.00	52.12	32.09	13.00	11.20	44.06	-41.90	6.70	38.12
MDR00000	-7.30	-16.16	31.36	0.80	0.80	90.00	50.70	29.54	13.00	11.20	38.26	-41.90	6.70	50.28
POR00000	-7.30	-8.00	39.65	0.80	0.80	90.00	51.78	31.80	13.00	11.20	26.76	-41.90	6.70	41.62
ATN00000	-5.70	-65.62	15.09	1.31	1.00	55.03	59.77	37.70	13.00	11.20	34.48	-50.10	1.90	17.72
HOL00000	-5.70	5.35	52.44	0.80	0.80	90.00	50.70	29.17	13.00	11.20	21.87	-50.10	1.90	27.32
TUN00000	-4.60	9.28	33.46	1.31	1.00	101.03	54.98	31.84	13.00	11.20	28.37	-29.00	48.40	43.84
BDI00000	-3.00	29.94	-3.40	0.80	0.80	90.00	50.70	30.12	13.00	11.20	31.92	-30.50	90.40	50.10
CYP00000	-2.60	33.20	35.10	0.80	0.80	90.00	50.70	30.20	13.00	11.20	27.83	-21.50	87.90	34.41
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	67.19	35.16	13.00	11.20	36.21	-59.90	43.30	60.62
F 00000	-0.10	3.11	45.89	2.13	1.11	167.72	59.81	33.67	13.00	11.20	12.16	-13.90	5.70	31.57
GDL00000	-0.10	-61.96	16.31	0.80	0.80	90.00	55.81	36.85	13.00	11.20	30.65	-13.90	5.70	17.29
GUF00000	-0.10	-53.17	4.30	0.80	0.80	90.00	55.34	36.38	13.00	11.20	39.27	-13.90	5.70	28.24
MYT00000	-0.10	45.20	-12.83	0.80	0.80	90.00	54.13	35.17	13.00	11.20	39.51	-13.90	5.70	36.27
REU00000	-0.10	55.56	-21.12	0.80	0.80	90.00	54.42	35.46	13.00	11.20	42.18	-13.90	5.70	23.30
SPM00000	-0.10	-56.40	46.96	0.80	0.80	90.00	53.47	32.55	13.00	11.20	35.99	-13.90	5.70	13.76
LUXGDL52	1.00	3.03	47.46	3.66	2.36	11.00	160.00	39.00	15.00	11.20	10.29	1.00	1.00	32.30
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	64.67	34.49	13.00	11.20	23.81	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	60.52	31.05	13.00	11.20	18.37	-7.00	15.00	42.79
ALB00000	2.40	19.99	41.11	0.80	0.80	90.00	52.36	31.88	13.00	11.20	26.87	-29.90	69.80	37.73
NOR00000	3.90	11.71	64.57	1.97	1.00	16.53	57.08	32.34	13.00	11.20	21.82	2.90	29.10	3.05
CTI00000	4.60	-5.85	7.82	1.36	1.24	66.43	60.02	36.86	13.00	11.20	31.27	-15.00	27.10	71.21
MLT00000	5.60	14.36	35.93	0.80	0.80	90.00	50.70	29.58	13.00	11.20	29.62	-39.80	68.50	47.17
RRW00000	6.80	29.73	-1.89	0.80	0.80	90.00	50.70	29.18	13.00	11.20	32.64	-30.90	90.80	61.71
F E13B1	7.00	7.33	38.62	7.63	4.46	0.00	160.00	19.50	15.00	11.20	35.16	7.00	7.00	13.36
LTE00000	7.90	9.50	47.20	0.80	0.80	90.00	50.70	28.80	13.00	11.20	22.68	-30.00	15.00	35.73
QAT00000	8.30	51.58	25.44	0.80	0.80	90.00	50.70	28.54	13.00	11.20	31.96	-16.90	120.00	32.91
TUR00000	9.40	34.11	38.87	2.80	1.00	170.97	60.95	34.00	13.00	11.20	25.81	7.10	61.60	31.45
F EU1B1	10.00	8.20	38.62	7.63	4.46	0.00	160.00	19.50	15.00	11.20	10.59	10.00	10.00	31.46
BFA00000	10.20	-1.45	12.23	1.74	1.00	23.58	60.35	35.02	13.00	11.20	22.58	-54.60	46.20	67.27
S 00000	11.30	16.68	60.88	1.13	0.99	29.57	53.59	31.45	13.00	11.20	24.93	-7.00	47.10	12.20
CNR00000	12.20	-15.86	28.51	0.80	0.80	90.00	50.70	30.76	13.00	11.20	27.48	-31.10	24.20	42.91
E 00002	12.20	-2.98	39.86	2.08	1.21	7.95	58.18	32.19	13.00	11.20	24.32	-31.10	24.20	35.72
F E12B1	13.00	8.75	38.55	7.63	4.46	0.00	160.00	19.50	15.00	11.20	21.41	13.00	13.00	33.25
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	60.24	30.40	13.00	11.20	33.55	-45.40	82.50	55.61
GRC00000	14.20	24.71	38.27	1.71	1.03	158.13	58.29	33.42	13.00	11.20	25.26	-8.90	56.80	40.24
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	64.74	37.18	13.00	11.20	33.70	-24.80	57.60	73.76
IRL00000	15.20	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	22.16	-41.00	25.70	23.69
GHA00000	16.00	-1.28	7.71	1.50	1.07	90.15	59.94	36.99	13.00	11.20	25.29	-41.70	39.30	64.57
F E14B1	16.00	8.63	38.32	7.63	4.46	0.00	160.00	19.50	15.00	11.20	2.11	16.00	16.00	9.78
POL00000	16.30	19.21	51.75	1.25	0.98	165.27	53.77	31.25	13.00	11.20	13.22	-14.80	56.40	27.44
MDG0IFRB	16.80	46.60	-18.69	2.58	1.00	66.24	62.51	37.50	13.00	11.20	46.01	10.40	81.10	45.48
LUXGDL62	19.20	4.34	47.70	4.10	2.10	21.00	68.00	39.00	13.00	11.20	28.76	19.20	19.20	20.40
BOT00000	19.90	23.99	-21.77	1.54	1.51	93.77	54.89	29.95	13.00	11.20	30.59	-41.70	89.90	59.11
BHR00000	20.40	50.60	26.07	0.80	0.80	90.00	50.70	27.78	13.00	11.20	28.79	-18.60	119.80	44.77
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	64.83	37.25	13.00	11.20	35.94	-27.30	51.20	73.08
SMR00000	22.40	12.46	43.95	0.80	0.80	90.00	50.70	29.72	13.00	11.20	21.68	-36.40	61.40	38.34

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
IRN00000	25.80	54.27	32.98	3.67	1.55	143.55	62.04	32.50	13.00	11.20	35.78	20.10	50.00	33.68
D 00000	26.40	9.72	50.70	1.08	0.97	41.25	53.17	31.31	13.00	11.20	25.25	-30.40	53.10	25.20
YEM0IFRB	27.00	44.21	15.06	1.00	0.98	102.87	51.05	29.80	13.00	11.20	31.68	-24.30	113.20	60.40
GUI0IFRB	27.50	-10.87	10.20	1.26	1.10	103.62	59.44	37.12	13.00	11.20	39.77	-51.80	33.80	39.68
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	63.13	32.20	13.00	11.20	35.76	-19.20	54.90	47.46
MWI0IFRB	29.70	34.15	-13.30	1.55	1.00	101.44	54.20	30.69	13.00	11.20	31.90	-25.00	93.70	68.87
YUG00000	31.20	18.47	44.26	1.27	1.00	160.61	55.62	32.50	13.00	11.20	29.32	-25.80	60.20	33.83
UGA0IFRB	32.30	32.17	0.95	1.47	1.02	69.56	54.56	31.05	13.00	11.20	31.62	-27.20	91.60	84.88
MRC00000	32.70	-8.86	27.94	3.39	1.00	44.55	60.40	32.98	13.00	11.20	33.45	-26.80	89.20	58.54
SWZ00000	33.10	31.29	-26.35	0.80	0.80	90.00	50.70	29.06	13.00	11.20	32.28	-45.40	59.40	59.14
STP0IFRB	33.40	7.00	1.00	0.80	0.80	90.00	53.77	33.10	13.00	11.20	29.23	-20.20	115.30	52.11
KWT00000	34.60	47.65	29.07	0.80	0.80	90.00	50.70	28.40	13.00	11.20	29.35	-38.10	63.10	36.31
CVA00000	35.40	12.50	41.88	0.80	0.80	90.00	50.70	29.95	13.00	11.20	31.16	-27.90	82.50	64.58
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.55	25.92	58.01	30.73	13.00	11.20	31.92	-76.50	45.70	29.36
GNB0IFRB	36.70	-15.40	12.00	0.80	0.80	90.00	51.24	30.86	13.00	11.20	3.35	38.00	38.00	31.51
PAKSAT01	38.00	69.33	29.83	3.17	2.13	30.00	160.00	33.00	15.00	11.20	29.89	-26.80	51.70	23.40
DDR00000	38.70	12.60	51.36	0.80	0.80	90.00	51.91	32.12	13.00	11.20	20.80	34.10	62.00	30.87
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	65.19	35.36	13.00	11.20	27.77	-29.20	52.00	53.71
GAB0IFRB	39.90	11.70	-0.74	1.35	1.04	79.25	59.37	37.00	13.00	11.20	3.41	41.00	41.00	33.65
PAKSAT02	41.00	69.33	29.83	3.17	2.13	30.00	160.00	33.00	15.00	11.20	31.34	-41.80	56.60	29.27
MCO00000	41.40	7.40	43.67	0.80	0.80	90.00	52.95	32.16	13.00	11.20	32.93	-29.60	49.60	43.99
NIG00000	42.00	7.85	9.80	2.48	1.58	44.10	64.39	37.56	13.00	11.20	26.99	-27.00	85.50	60.06
ZWE00000	42.50	29.87	-18.91	1.72	1.26	161.53	55.32	30.52	13.00	11.20	29.18	-1.00	51.00	30.82
ROU00000	44.10	25.38	45.58	1.41	0.98	0.65	55.75	32.33	13.00	11.20	29.48	20.10	60.00	51.82
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	61.74	30.53	13.00	11.20	31.22	7.10	46.80	10.01
FNL00000	46.80	23.79	64.34	1.48	1.00	23.28	54.73	31.45	13.00	11.20	26.65	-20.60	71.50	32.09
BUL00000	50.40	25.55	42.75	0.80	0.80	90.00	53.10	33.00	13.00	11.20	42.66	-23.60	62.60	44.49
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	69.94	37.72	13.00	11.20	28.11	5.10	82.50	46.12
IRQ00000	51.70	44.25	33.13	1.81	1.27	165.93	57.01	31.59	13.00	11.20	31.48	-53.60	62.00	15.39
BEL00000	52.60	5.16	50.62	0.80	0.80	90.00	50.70	29.77	13.00	11.20	26.17	42.30	95.80	41.33
AFG00000	53.60	66.55	33.91	2.34	1.27	16.10	56.92	30.76	13.00	11.20	30.21	44.70	59.20	42.56
CYPSBA00	56.60	32.95	34.58	0.80	0.80	90.00	50.70	29.81	13.00	11.20	38.84	44.70	59.20	13.88
GIB00000	56.60	-5.35	36.15	0.80	0.80	90.00	54.13	33.02	13.00	11.20	38.63	44.70	59.20	21.33
HKG00000	56.60	114.50	22.42	0.80	0.80	90.00	54.42	35.46	13.00	11.20	32.24	-4.00	85.00	59.00
ETH00000	57.70	40.63	10.34	2.81	2.75	63.71	62.00	31.41	13.00	11.20	35.82	56.70	65.40	8.50
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	68.80	33.85	13.00	11.20	27.73	34.30	146.60	44.71
BTN0IFRB	63.00	90.38	27.00	0.80	0.80	90.00	50.70	30.67	13.00	11.20	26.33	10.10	70.00	38.58
SYR00000	64.30	39.24	34.64	1.36	0.96	31.73	55.39	32.21	13.00	11.20	27.75	-10.30	69.50	30.96
EGY00000	68.30	30.29	26.22	2.31	1.55	53.82	58.29	31.18	13.00	11.20	33.04	-21.30	91.40	43.72
TZA0IFRB	69.50	35.43	-5.93	2.41	1.43	117.15	59.62	32.25	13.00	11.20	28.19	-12.70	120.30	53.90
UAE00000	70.40	53.79	24.87	1.11	0.99	12.14	51.20	29.58	13.00	11.20	37.89	-25.80	84.20	22.24
AFS00000	71.00	27.19	-30.05	5.32	1.43	128.26	64.21	33.27	13.00	11.20	26.83	-8.00	78.40	34.21
ISR00000	73.00	35.04	31.32	0.80	0.80	90.00	54.54	33.71	13.00	11.20	37.23	51.30	116.40	47.01
IND00000	74.00	82.66	18.94	6.19	4.91	120.21	73.49	37.76	13.00	11.20	38.26	77.00	77.00	13.68
URSCSRB1	77.00	113.50	52.10	1.14	1.14	90.00	160.00	29.00	15.00	11.20	40.34	77.00	77.00	7.48
URSCSRB2	77.00	40.80	55.70	1.14	1.14	90.00	160.00	29.00	15.00	11.20	27.45	-10.40	86.30	38.89
KEN00000	78.20	38.45	0.81	2.07	1.32	95.27	58.84	32.41	13.00	11.20	29.54	76.40	143.20	42.40
MLA00000	78.50	108.21	4.68	3.16	1.39	0.42	64.98	37.65	13.00	11.20	33.49	-28.80	102.90	24.76
JOR00000	85.50	36.39	31.11	0.80	0.80	90.00	51.53	31.77	13.00	11.20	30.58	87.70	98.00	7.06
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	72.38	33.85	13.00	11.20	34.25	-10.60	90.60	21.83
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.05	98.03	64.07	38.05	13.00	11.20	32.47	83.00	159.80	45.90
PHL0IFRB	89.60	121.25	11.35	3.33	1.53	100.96	65.70	37.73	13.00	11.20				

PUBLICATION

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MAU0IFRB	92.20	57.50	-20.17	0.80	0.80	90.00	54.00	34.44	13.00	11.20	45.61	8.00	107.00	44.30
COM0IFRB	94.50	44.10	-12.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	31.32	-7.30	95.50	31.11
URSCSDR1	95.00	40.57	56.18	0.97	0.97	90.00	160.00	33.00	15.00	11.20	46.58	95.00	95.00	8.06
URSCSDR2	95.00	140.50	53.17	0.97	0.97	90.00	160.00	33.00	15.00	11.20	44.28	95.00	95.00	8.06
CBG0IFRB	96.10	105.06	12.85	1.18	1.00	35.40	58.42	36.80	13.00	11.20	33.73	61.20	144.20	68.33
SEY0IFRB	96.50	55.40	-4.50	0.80	0.80	90.00	54.01	34.76	13.00	11.20	39.57	3.10	107.70	42.28
SNG00000	98.10	103.85	1.28	0.80	0.80	90.00	53.60	34.64	13.00	11.20	29.25	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.00	72.34	60.13	33.10	13.00	11.20	34.94	-20.00	102.70	24.66
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	74.49	36.84	13.00	11.20	34.40	90.40	139.40	25.55
OMA00000	104.00	55.09	21.60	1.94	1.00	60.61	54.95	30.70	13.00	11.20	26.42	-9.80	122.20	27.93
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	68.18	37.43	13.00	11.20	27.88	85.10	125.00	62.78
YMS00000	108.00	49.91	14.76	1.36	1.00	52.87	55.21	31.97	13.00	11.20	28.95	-16.40	114.40	16.47
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	65.49	37.48	13.00	11.20	26.02	57.60	131.00	53.98
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	39.35	113.00	114.30	12.16
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	39.76	113.00	114.30	10.90
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	32.85	113.00	114.30	24.44
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.46	35.50	13.00	11.20	41.12	113.00	114.30	21.57
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	33.23	113.00	114.30	10.03
MNG00000	113.60	103.75	46.82	3.64	1.15	2.57	60.55	32.41	13.00	11.20	29.43	60.40	148.90	28.71
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	74.58	37.62	13.00	11.20	33.20	101.10	135.00	58.31
KOR00000	116.20	127.68	34.17	1.25	0.98	3.57	56.61	33.31	13.00	11.20	27.89	83.00	169.60	43.61
MAC00000	117.00	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	27.01	64.70	162.40	63.75
MLD0IFRB	117.60	73.40	2.48	2.21	0.80	88.03	60.98	37.61	13.00	11.20	30.71	21.10	124.90	37.92
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	64.93	37.40	13.00	11.20	28.12	58.60	137.20	55.69
CLN00000	121.50	80.09	7.67	0.80	0.80	90.00	54.40	35.25	13.00	11.20	32.36	28.10	131.90	41.35
NPL0IFRB	123.30	84.40	27.96	0.80	0.80	90.00	53.69	33.41	13.00	11.20	33.14	30.30	137.60	32.52
BGD00000	133.00	90.16	23.96	0.80	0.80	90.00	57.03	38.07	13.00	11.20	37.46	44.60	135.50	32.17
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	69.09	37.50	13.00	11.20	36.55	75.00	151.30	50.09
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	68.73	33.85	13.00	11.20	31.78	138.50	140.60	6.02
LAO0IFRB	142.00	104.11	18.15	1.54	1.00	101.34	60.16	37.39	13.00	11.20	30.77	56.60	149.90	37.68
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	74.28	37.91	13.00	11.20	41.92	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.56	1.00	15.32	57.97	33.55	13.00	11.20	42.88	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.15	1.00	15.16	53.97	31.52	13.00	11.20	36.22	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	0.80	0.80	90.00	50.70	27.71	13.00	11.20	38.72	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	0.80	0.80	90.00	50.70	28.18	13.00	11.20	47.10	122.36	148.10	11.04
KRE00000	145.00	127.80	39.82	1.41	1.00	14.40	59.68	36.68	13.00	11.20	27.36	110.10	150.00	38.11
NRU0IFRB	146.00	166.90	-0.50	0.80	0.80	90.00	53.70	32.79	13.00	11.20	35.34	114.50	179.00	65.50
SLM0IFRB	147.50	158.99	-9.05	1.53	1.00	147.14	59.73	36.98	13.00	11.20	30.23	120.40	179.00	68.27
FJI0IFRB	148.80	178.50	-17.17	0.80	0.80	90.00	53.90	33.78	13.00	11.20	36.84	128.20	179.00	50.58
KIR0IFRB	150.00	173.00	1.00	0.80	0.80	90.00	53.73	32.91	13.00	11.20	37.77	120.60	179.00	63.05
VUT0IFRB	150.70	168.41	-17.16	1.17	1.00	121.88	58.48	36.90	13.00	11.20	35.06	127.40	179.00	58.03
NZL00001	152.00	170.92	-44.80	5.35	1.01	48.53	62.85	33.49	13.00	11.20	30.80	150.90	175.00	3.06
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	66.29	37.98	13.00	11.20	34.97	150.90	175.00	29.33
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	72.05	37.20	13.00	11.20	37.55	94.40	170.90	36.55
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.66	66.94	37.28	13.00	11.20	34.11	114.20	179.00	71.27
BRU0IFRB	157.30	114.60	4.50	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.87	71.50	157.70	40.51
TUV00000	158.00	179.16	-8.50	0.80	0.80	90.00	53.75	32.92	13.00	11.20	43.03	127.30	179.00	63.33
URSVVRB1	167.00	113.50	52.10	1.14	1.14	90.00	160.00	29.00	15.00	11.20	48.81	167.00	167.00	4.86

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ABW00000	-98.20	-69.05	12.41	0.80	0.80	90.00	54.48	34.24	13.00	11.20	34.10	-119.40	-18.90	52.23
ADL00000	113.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.11	13.00	11.20	39.35	113.00	114.30	12.16
AFG00000	53.60	66.55	33.91	2.34	1.27	16.10	56.92	30.76	13.00	11.20	26.17	42.30	95.80	41.33
AFS00000	71.00	27.19	-30.05	5.32	1.43	128.26	64.21	33.27	13.00	11.20	37.89	-25.80	84.20	22.24
AGL0IFRB	-36.10	15.90	-12.40	2.45	1.36	78.07	62.01	34.14	13.00	11.20	37.13	-37.20	74.10	21.20
ALB00000	2.40	19.99	41.11	0.80	0.80	90.00	52.36	31.88	13.00	11.20	26.87	-29.90	69.80	37.73
ALG00000	-33.50	1.65	27.82	3.30	2.21	132.84	64.33	33.38	13.00	11.20	24.07	-45.30	52.00	28.89
ALS00000	-159.00	-158.56	57.52	6.27	1.52	0.93	62.53	31.32	13.00	11.20	40.82	-169.80	-158.20	9.91
AND00000	-41.00	1.53	42.52	0.80	0.80	90.00	50.70	30.05	13.00	11.20	28.68	-48.60	51.70	25.03
ARG00000	-51.00	-61.99	-33.65	4.75	2.86	92.94	70.32	38.10	13.00	11.20	38.72	-58.40	-51.00	25.52
ARGINSUL	-51.00	-60.00	-57.46	3.59	1.32	153.53	59.49	31.39	13.00	11.20	34.82	-58.40	-51.00	7.80
ARS00000	45.30	45.48	23.23	3.84	2.55	153.03	61.74	30.53	13.00	11.20	29.48	20.10	60.00	51.82
ASCSTHTC	-37.10	-11.80	-19.55	5.62	1.82	76.76	62.97	31.36	13.00	11.20	34.23	-38.50	-27.10	39.69
ATG0IFRB	-77.70	-61.80	17.00	0.80	0.80	90.00	53.73	32.92	13.00	11.20	31.59	-112.20	-11.40	62.94
ATN00000	-5.70	-65.62	15.09	1.31	1.00	55.03	59.77	37.70	13.00	11.20	34.48	-50.10	1.90	17.72
AUS00001	144.10	134.30	-24.47	6.60	5.34	146.11	74.28	37.91	13.00	11.20	41.92	122.36	148.10	39.55
AUS00002	144.10	163.62	-30.50	1.56	1.00	15.32	57.97	33.55	13.00	11.20	42.88	122.36	148.10	47.16
AUS00003	144.10	101.49	-11.14	1.15	1.00	15.16	53.97	31.52	13.00	11.20	36.22	122.36	148.10	34.37
AUS00004	144.10	158.97	-54.47	0.80	0.80	90.00	50.70	27.71	13.00	11.20	38.72	122.36	148.10	26.39
AUS00005	144.10	110.42	-66.27	0.80	0.80	90.00	50.70	28.18	13.00	11.20	47.10	122.36	148.10	11.04
AUT00000	-17.10	13.66	47.65	0.80	0.80	90.00	53.05	32.86	13.00	11.20	6.71	-18.60	46.40	25.75
AZR00000	-7.30	-28.01	38.69	0.80	0.80	90.00	52.12	32.09	13.00	11.20	44.06	-41.90	6.70	38.12
B 00001	-65.00	-62.58	-5.98	4.15	4.02	43.18	70.72	37.59	13.00	11.20	27.32	-70.00	-60.10	69.00
B 00002	-61.10	-45.45	-6.29	4.64	4.06	151.69	71.28	37.63	13.00	11.20	30.03	-70.00	-60.10	56.25
B 00003	-68.70	-50.03	-20.88	4.31	2.99	60.01	69.78	37.78	13.00	11.20	28.35	-70.00	-60.10	47.43
BAH0IFRB	-74.30	-75.79	23.99	1.62	1.00	132.91	60.11	35.53	13.00	11.20	31.36	-121.10	-32.20	57.33
BDI00000	-3.00	29.94	-3.40	0.80	0.80	90.00	50.70	30.12	13.00	11.20	31.92	-30.50	90.40	50.10
BEL00000	52.60	5.16	50.62	0.80	0.80	90.00	50.70	29.77	13.00	11.20	31.48	-53.60	62.00	15.39
BEN00000	-30.60	2.28	9.30	1.23	1.00	89.43	58.80	37.01	13.00	11.20	29.38	-40.20	44.70	48.37
BERCAYMS	-37.10	-68.63	22.52	3.72	2.26	41.13	68.28	38.13	13.00	11.20	41.15	-38.50	-27.10	35.55
BFA00000	10.20	-1.45	12.23	1.74	1.00	23.58	60.35	35.02	13.00	11.20	22.58	-54.60	46.20	67.27
BGD00000	133.00	90.16	23.96	0.80	0.80	90.00	57.03	38.07	13.00	11.20	37.46	44.60	135.50	32.17
BHR00000	20.40	50.60	26.07	0.80	0.80	90.00	50.70	27.78	13.00	11.20	28.79	-18.60	119.80	44.77
BLZ00000	-90.80	-88.61	17.24	0.80	0.80	90.00	54.37	33.39	13.00	11.20	32.88	-138.40	-38.70	68.24
BOL00000	-35.00	-64.38	-17.15	2.74	1.74	129.48	65.22	37.54	13.00	11.20	39.32	-97.30	-23.20	44.96
BOT00000	19.90	23.99	-21.77	1.54	1.51	93.77	54.89	29.95	13.00	11.20	30.59	-41.70	89.90	59.11
BRB0IFRB	-101.00	-59.60	13.17	0.80	0.80	90.00	54.06	34.98	13.00	11.20	30.21	-110.80	-8.40	40.30
BRM0IFRB	110.80	97.03	18.89	3.21	1.60	88.20	65.49	37.48	13.00	11.20	26.02	57.60	131.00	53.98
BRU0IFRB	157.30	114.60	4.50	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.87	71.50	157.70	40.51
BTN0IFRB	63.00	90.38	27.00	0.80	0.80	90.00	50.70	30.67	13.00	11.20	27.73	34.30	146.60	44.71
BUL00000	50.40	25.55	42.75	0.80	0.80	90.00	53.10	33.00	13.00	11.20	26.65	-20.60	71.50	32.09
CAF00000	14.60	21.52	6.46	2.71	1.71	13.93	64.74	37.18	13.00	11.20	33.70	-24.80	57.60	73.76
CANOEAST	-97.60	-75.19	50.21	4.86	2.01	158.05	66.38	34.07	13.00	11.20	37.64	-108.00	-90.10	12.57
CANOCENT	-111.10	-96.15	51.37	4.32	2.04	155.35	64.80	33.28	13.00	11.20	27.99	-115.10	-101.00	10.24
CANOWEST	-114.90	-120.09	57.39	3.06	1.85	173.00	60.29	31.34	13.00	11.20	23.70	-119.00	-113.70	10.17
CAR00000	-159.00	-186.56	4.55	10.19	2.45	175.36	73.92	39.05	13.00	11.20	52.51	-169.80	-158.20	10.89
CBG0IFRB	96.10	105.06	12.85	1.18	1.00	35.40	58.42	36.80	13.00	11.20	33.73	61.20	144.20	68.33
CHL00000	-74.90	-82.55	-32.82	8.09	6.12	154.51	69.90	31.57	13.00	11.20	31.55	-96.40	-53.60	11.48
CHN00001	101.40	103.73	34.98	8.10	4.32	2.45	74.49	36.84	13.00	11.20	34.40	90.40	139.40	25.55
CHN00002	135.50	114.83	16.36	4.86	2.41	64.97	69.09	37.50	13.00	11.20	36.55	75.00	151.30	50.09
CLM00000	-70.90	-74.02	5.69	4.01	2.34	121.23	68.00	37.37	13.00	11.20	31.05	-110.10	-39.90	70.19
CLN00000	121.50	80.09	7.67	0.80	0.80	90.00	54.40	35.25	13.00	11.20	32.36	28.10	131.90	41.35

INFORMATION

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CME00000	21.40	12.94	6.30	2.50	1.86	83.98	64.83	37.25	13.00	11.20	35.94	-27.30	51.20	73.08
CNR00000	12.20	-15.86	28.51	0.80	0.80	90.00	50.70	30.76	13.00	11.20	27.48	-31.10	24.20	42.91
COGOIFRB	-16.00	14.79	-0.55	2.00	1.09	63.46	61.61	37.33	13.00	11.20	35.12	-24.70	56.50	49.72
COMOIFRB	94.50	44.10	-12.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	31.32	-7.30	95.50	31.11
CPVOIFRB	-85.70	-24.10	16.00	0.80	0.80	90.00	50.70	29.63	13.00	11.20	34.26	-94.70	46.50	18.99
CTI00000	4.60	-5.85	7.82	1.36	1.24	66.43	60.02	36.86	13.00	11.20	31.27	-15.00	27.10	71.21
CTR00000	-96.00	-85.32	8.18	1.29	1.00	64.42	58.80	36.79	13.00	11.20	39.50	-125.40	-44.00	70.80
CUB00000	-80.60	-79.54	21.02	1.99	0.97	171.62	61.02	35.42	13.00	11.20	30.91	-123.50	-36.10	62.58
CVA00000	35.40	12.50	41.88	0.80	0.80	90.00	50.70	29.95	13.00	11.20	29.35	-38.10	63.10	36.31
CYP00000	-2.60	33.20	35.10	0.80	0.80	90.00	50.70	30.20	13.00	11.20	27.83	-21.50	87.90	34.41
CYPSBA00	56.60	32.95	34.58	0.80	0.80	90.00	50.70	29.81	13.00	11.20	30.21	44.70	59.20	42.56
D 00000	26.40	9.72	50.70	1.08	0.97	41.25	53.17	31.31	13.00	11.20	25.25	-30.40	53.10	25.20
DDR00000	38.70	12.60	51.36	0.80	0.80	90.00	51.91	32.12	13.00	11.20	29.89	-26.80	51.70	23.40
DJI0IFRB	-18.30	42.60	11.67	0.80	0.80	90.00	50.70	29.49	13.00	11.20	29.86	-28.40	113.60	20.29
DMA0IFRB	-69.60	-61.30	15.33	0.80	0.80	90.00	53.62	32.65	13.00	11.20	29.19	-112.10	-10.50	69.59
DNK00001	-32.00	10.83	55.87	0.80	0.80	90.00	51.61	31.82	13.00	11.20	6.18	-40.80	62.20	14.33
DNK00002	-49.00	12.48	55.29	0.80	0.80	90.00	52.70	32.35	13.00	11.20	31.35	-50.00	-43.10	5.70
DNK00FAR	-49.00	-7.18	61.74	0.80	0.80	90.00	50.70	30.47	13.00	11.20	33.57	-50.00	-43.10	11.41
DOM0IFRB	-85.40	-70.40	18.67	0.80	0.80	90.00	53.74	32.94	13.00	11.20	29.57	-120.30	-20.50	62.17
E 00002	12.20	-2.98	39.86	2.08	1.21	7.95	58.18	32.19	13.00	11.20	24.32	-31.10	24.20	35.72
EGY00000	68.30	30.29	26.22	2.31	1.55	53.82	58.29	31.18	13.00	11.20	27.75	-10.30	69.50	30.96
EQA00000	-104.00	-83.13	-1.41	3.06	1.44	173.53	64.67	37.33	13.00	11.20	40.18	-104.00	-94.10	56.41
ETH00000	57.70	40.63	10.34	2.81	2.75	63.71	62.00	31.41	13.00	11.20	32.24	-4.00	85.00	59.00
F 00000	-0.10	3.11	45.89	2.13	1.11	167.72	59.81	33.67	13.00	11.20	12.16	-13.90	5.70	31.57
FJI0IFRB	148.80	178.50	-17.17	0.80	0.80	90.00	53.90	33.78	13.00	11.20	36.84	128.20	179.00	50.58
FLKSTGGL	-37.10	-46.81	-59.57	3.73	1.43	170.47	59.96	31.32	13.00	11.20	33.16	-38.50	-27.10	5.08
FNL00000	46.80	23.79	64.34	1.48	1.00	23.28	54.73	31.45	13.00	11.20	31.22	7.10	46.80	10.01
G 00000	-37.10	-4.15	53.88	1.61	1.00	151.35	56.19	32.22	13.00	11.20	26.07	-38.50	-27.10	14.76
GAB0IFRB	39.90	11.70	-0.74	1.35	1.04	79.25	59.37	37.00	13.00	11.20	27.77	-29.20	52.00	53.71
GDL00000	-0.10	-61.96	16.31	0.80	0.80	90.00	55.81	36.85	13.00	11.20	30.65	-13.90	5.70	17.29
GDL00002	-115.90	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	35.06	-123.20	-81.20	25.66
GHA00000	16.00	-1.28	7.71	1.50	1.07	90.15	59.94	36.99	13.00	11.20	25.29	-41.70	39.30	64.57
GIB00000	56.60	-5.35	36.15	0.80	0.80	90.00	54.13	33.02	13.00	11.20	38.84	44.70	59.20	13.88
GMB00000	-34.00	-16.40	13.40	0.80	0.80	90.00	50.70	28.99	13.00	11.20	26.09	-77.30	44.50	64.24
GNB0IFRB	36.70	-15.40	12.00	0.80	0.80	90.00	51.24	30.86	13.00	11.20	31.92	-76.50	45.70	29.36
GNE0IFRB	-32.30	10.50	1.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	36.62	-32.80	53.80	40.58
GRC00000	14.20	24.71	38.27	1.71	1.03	158.13	58.29	33.42	13.00	11.20	25.26	-8.90	56.80	40.24
GRD0IFRB	-104.70	-61.60	12.00	0.80	0.80	90.00	54.08	35.12	13.00	11.20	29.72	-113.00	-10.20	38.82
GRL00000	-49.00	-42.91	68.57	2.31	1.00	174.47	57.57	32.23	13.00	11.20	39.41	-50.00	-43.10	3.06
GTM00000	-135.70	-90.47	15.49	0.80	0.80	90.00	56.75	37.79	13.00	11.20	31.24	-139.30	-41.40	33.72
GUF00000	-0.10	-53.17	4.30	0.80	0.80	90.00	55.34	36.38	13.00	11.20	39.27	-13.90	5.70	28.24
GUF00002	-115.90	-53.28	4.30	0.80	0.80	90.00	55.55	36.60	13.00	11.20	40.24	-123.20	-81.20	17.64
GUI0IFRB	27.50	-10.87	10.20	1.26	1.10	103.62	59.44	37.12	13.00	11.20	39.77	-51.80	33.80	39.68
GUMMRA00	-159.00	-214.55	16.73	1.69	0.99	78.62	60.93	37.79	13.00	11.20	47.66	-169.80	-158.20	21.33
GUY00000	-24.10	-59.18	4.73	1.39	1.00	93.91	59.51	37.18	13.00	11.20	42.78	-100.10	-18.30	46.47
HKG00000	56.60	114.50	22.42	0.80	0.80	90.00	54.42	35.46	13.00	11.20	38.63	44.70	59.20	21.33
HND00000	-76.20	-86.11	15.42	1.35	1.00	26.04	59.10	36.90	13.00	11.20	31.10	-123.80	-48.10	66.37
HNG00000	-22.10	19.17	47.13	0.80	0.80	90.00	52.71	32.27	13.00	11.20	13.30	-22.20	62.40	20.08
HOL00000	-5.70	5.35	52.44	0.80	0.80	90.00	50.70	29.17	13.00	11.20	21.87	-50.10	1.90	27.32
HTI0IFRB	-92.00	-73.00	18.83	0.80	0.80	90.00	53.77	33.13	13.00	11.20	34.54	-122.90	-23.10	59.04
HWA00000	-159.00	-157.60	20.74	1.23	1.00	156.68	58.65	36.86	13.00	11.20	57.77	-169.80	-158.20	63.94
HWL00000	-159.00	-176.58	0.08	0.80	0.80	90.00	53.61	32.64	13.00	11.20	56.71	-169.80	-158.20	69.37

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. :
SLT. :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I 00000	-28.80	11.17	40.93	2.11	1.00	140.41	59.39	33.69	13.00	11.20	19.33	-32.90	54.10	22.44
IND00000	74.00	82.66	18.94	6.19	4.91	120.21	73.49	37.76	13.00	11.20	37.23	51.30	116.40	47.01
INS00000	115.40	117.61	-1.79	9.37	4.31	169.56	74.58	37.62	13.00	11.20	33.20	101.10	135.00	58.31
IRL00000	15.20	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	22.16	-41.00	25.70	23.69
IRN00000	25.80	54.27	32.98	3.67	1.55	143.55	62.04	32.50	13.00	11.20	35.78	20.10	50.00	33.68
IRQ00000	51.70	44.25	33.13	1.81	1.27	165.93	57.01	31.59	13.00	11.20	28.11	5.10	82.50	46.12
ISL00000	-35.50	-18.17	64.94	0.80	0.80	90.00	52.34	32.50	13.00	11.20	31.40	-53.00	14.80	13.77
ISR00000	73.00	35.04	31.32	0.80	0.80	90.00	54.54	33.71	13.00	11.20	26.83	-8.00	78.40	34.21
J 00000	152.50	140.37	30.43	5.73	3.68	15.45	72.05	37.20	13.00	11.20	37.55	94.40	170.90	36.55
JAR00000	-159.00	-160.00	-0.38	0.80	0.80	90.00	53.40	32.46	13.00	11.20	57.28	-169.80	-158.20	88.74
JMC00000	-102.50	-77.59	18.18	0.80	0.80	90.00	53.93	33.58	13.00	11.20	39.56	-127.50	-27.80	54.45
JON00000	-159.00	-168.50	17.00	0.80	0.80	90.00	50.70	27.55	13.00	11.20	50.10	-169.80	-158.20	67.24
JOR00000	85.50	36.39	31.11	0.80	0.80	90.00	51.53	31.77	13.00	11.20	33.49	-28.80	102.90	24.76
KEN00000	78.20	38.45	0.81	2.07	1.32	95.27	58.84	32.41	13.00	11.20	27.45	-10.40	86.30	38.89
KER00000	113.00	69.28	-43.94	1.86	1.56	168.87	58.69	32.20	13.00	11.20	39.76	113.00	114.30	10.90
KIR0IFRB	150.00	173.00	1.00	0.80	0.80	90.00	53.73	32.91	13.00	11.20	37.77	120.60	179.00	63.05
KOR00000	116.20	127.68	36.17	1.25	0.98	3.57	56.61	33.31	13.00	11.20	27.89	83.00	169.60	43.61
KRE00000	145.00	127.80	39.82	1.41	1.00	14.40	59.68	36.68	13.00	11.20	27.36	110.10	150.00	38.11
KWT00000	34.60	47.65	29.07	0.80	0.80	90.00	50.70	28.40	13.00	11.20	29.23	-20.20	115.30	52.11
LAO0IFRB	142.00	104.11	18.15	1.54	1.00	101.34	60.16	37.39	13.00	11.20	30.77	56.60	149.90	37.68
LBN00000	-19.30	35.80	33.83	0.80	0.80	90.00	50.70	29.49	13.00	11.20	18.63	-31.60	103.20	20.22
LBR00000	-41.80	-8.94	6.50	0.80	0.80	90.00	56.86	37.90	13.00	11.20	40.62	-50.40	35.50	49.57
LBY00000	28.40	19.18	25.97	3.08	2.58	164.57	63.13	32.20	13.00	11.20	35.76	-19.20	54.90	47.46
LIE00000	7.90	9.50	47.20	0.80	0.80	90.00	50.70	28.80	13.00	11.20	22.68	-30.00	15.00	35.73
LSO0IFRB	-18.70	28.40	-29.50	0.80	0.80	90.00	50.70	28.93	13.00	11.20	29.96	-40.10	96.90	28.72
MAC00000	117.00	113.57	22.17	0.80	0.80	90.00	53.72	32.87	13.00	11.20	27.01	64.70	162.40	63.75
MAU0IFRB	92.20	57.50	-21.17	0.80	0.80	90.00	54.00	34.44	13.00	11.20	45.61	8.00	107.00	44.30
MCO00000	41.40	7.40	43.67	0.80	0.80	90.00	52.95	32.16	13.00	11.20	31.34	-41.80	56.60	29.27
MDG0IFRB	16.80	46.60	-18.69	2.58	1.00	66.24	62.51	37.50	13.00	11.20	46.01	10.40	81.10	45.48
MDR00000	-7.30	-16.16	31.56	0.80	0.80	90.00	50.70	29.54	13.00	11.20	38.26	-41.90	6.70	50.28
MDW00000	-159.00	-177.42	28.22	0.80	0.80	90.00	50.70	27.85	13.00	11.20	45.94	-169.80	-158.20	51.30
MEX00000	-126.60	-104.31	23.35	5.47	2.19	156.30	69.54	37.68	13.00	11.20	27.70	-136.10	-61.00	39.11
MLA00000	78.50	108.21	4.68	3.16	1.39	0.42	64.98	37.65	13.00	11.20	29.54	76.40	143.20	42.40
MLD0IFRB	117.60	73.40	2.48	2.21	0.80	88.03	60.98	37.61	13.00	11.20	30.71	21.10	124.90	37.92
MLI0IFRB	-2.10	-4.01	17.65	3.28	2.51	18.32	67.19	35.16	13.00	11.20	36.21	-59.90	43.30	60.62
MLT00000	5.60	14.36	35.93	0.80	0.80	90.00	50.70	29.58	13.00	11.20	29.62	-39.80	68.50	47.17
MNG00000	113.60	103.75	46.82	3.64	1.15	2.57	60.55	32.41	13.00	11.20	29.63	60.40	148.90	28.71
MOZ0IFRB	88.60	35.64	-17.16	3.10	1.05	98.03	64.07	38.05	13.00	11.20	34.25	-10.60	90.60	21.83
MRC00000	32.70	-8.86	27.94	3.39	1.00	44.55	60.40	32.98	13.00	11.20	36.36	-50.50	37.50	29.66
MRL00000	-159.00	-184.72	8.73	2.33	1.45	93.55	63.59	37.40	13.00	11.20	55.77	-169.80	-158.20	52.82
MTN0IFRB	-22.80	-10.32	19.77	2.47	2.35	75.76	61.03	31.63	13.00	11.20	30.47	-72.80	44.20	54.31
MWI0IFRB	29.70	34.15	-13.30	1.55	1.00	101.44	54.20	30.69	13.00	11.20	31.90	-25.00	93.70	68.87
MYT00000	-0.10	45.20	-12.83	0.80	0.80	90.00	54.13	35.17	13.00	11.20	39.51	-13.90	5.70	36.27
NCG0IFRB	-84.40	-84.88	12.91	1.10	0.98	15.55	58.10	36.87	13.00	11.20	31.94	-124.40	-45.90	72.33
NCL00000	113.00	165.79	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	32.85	113.00	114.30	24.44
NGR0IFRB	-38.50	7.51	17.23	2.08	1.73	100.37	60.33	32.71	13.00	11.20	28.23	-54.50	64.60	25.60
NIG00000	42.00	7.85	9.80	2.48	1.58	44.10	64.39	37.56	13.00	11.20	32.93	-29.60	49.60	43.99
NMB0IFRB	13.40	18.54	-21.04	2.72	2.60	155.12	60.24	30.40	13.00	11.20	33.55	-45.40	82.50	55.61
NOR00000	3.90	11.71	64.57	1.97	1.00	16.53	57.08	32.34	13.00	11.20	21.82	2.90	29.10	3.05
NPL0IFRB	123.30	84.40	27.96	0.80	0.80	90.00	53.69	33.41	13.00	11.20	33.14	30.30	137.60	32.52
NRU0IFRB	146.00	166.90	-0.50	0.80	0.80	90.00	53.70	32.79	13.00	11.20	35.34	114.50	179.00	65.50
NZL00001	152.00	170.92	-44.80	5.35	1.01	48.53	62.85	33.49	13.00	11.20	30.80	150.90	175.00	3.06

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
NZL00002	152.00	194.55	-13.21	2.74	2.01	82.35	66.29	37.98	13.00	11.20	34.97	150.90	175.00	29.33
OCE00000	-115.90	-141.85	-16.06	3.53	2.37	139.03	67.70	35.84	13.00	11.20	52.39	-123.20	-81.20	44.85
OMA00000	104.00	55.09	21.60	1.94	1.00	60.61	54.95	30.70	13.00	11.20	26.42	-9.80	122.20	27.93
PAK00000	39.50	69.59	29.79	2.35	2.06	17.10	65.19	35.36	13.00	11.20	20.80	34.10	62.00	30.87
PHL0IFRB	89.60	121.25	11.35	3.33	1.53	100.96	65.70	37.73	13.00	11.20	32.47	83.00	159.80	45.90
PLM00000	-159.00	-161.40	7.00	0.80	0.80	90.00	53.34	32.42	13.00	11.20	57.67	-169.80	-158.20	81.28
PNG00000	154.10	148.40	-6.63	3.33	2.26	166.64	66.94	37.28	13.00	11.20	34.11	114.20	179.00	71.27
PNR0IFRB	-79.20	-80.16	8.54	1.21	1.00	177.09	58.48	36.76	13.00	11.20	30.32	-120.00	-40.40	78.04
POL00000	16.30	19.21	51.75	1.25	0.98	165.27	53.77	31.25	13.00	11.20	13.22	-14.80	56.40	27.44
POR00000	-7.30	-8.00	39.65	0.80	0.80	90.00	51.78	31.80	13.00	11.20	26.76	-41.90	6.70	41.62
PRG00000	-81.50	-58.71	-23.10	1.52	1.27	116.22	61.00	37.25	13.00	11.20	33.10	-90.40	-23.20	47.09
PRU00000	-89.90	-74.18	-8.41	3.64	2.36	110.93	67.79	37.55	13.00	11.20	38.75	-120.40	-38.20	58.99
PTC00000	-62.00	-130.10	-25.07	0.80	0.80	90.00	50.70	28.49	13.00	11.20	34.73	-62.60	-58.50	11.22
QAT00000	8.30	51.58	25.44	0.80	0.80	90.00	50.70	28.54	13.00	11.20	31.96	-16.90	120.00	32.91
REU00000	-0.10	55.56	-21.12	0.80	0.80	90.00	54.42	35.46	13.00	11.20	42.18	-13.90	5.70	23.30
REU00002	113.00	55.58	-21.12	0.80	0.80	90.00	54.46	35.50	13.00	11.20	41.12	113.00	114.30	21.87
ROU00000	44.10	25.38	45.58	1.41	0.98	0.65	55.75	32.33	13.00	11.20	29.18	-1.00	51.00	30.82
RRW00000	6.80	29.73	-1.89	0.80	0.80	90.00	50.70	29.18	13.00	11.20	32.64	-30.90	90.80	61.71
S 00000	11.30	16.68	60.88	1.13	0.99	29.57	53.59	31.45	13.00	11.20	24.93	-7.00	47.10	12.20
SCN0IFRB	-88.80	-62.90	17.33	0.80	0.80	90.00	53.83	33.49	13.00	11.20	32.87	-113.20	-12.60	54.09
SDN00001	1.20	29.26	10.32	2.99	1.93	130.53	64.67	34.49	13.00	11.20	23.81	-7.00	15.00	48.64
SDN00002	1.20	29.41	16.69	2.62	2.40	171.11	60.52	31.05	13.00	11.20	18.37	-7.00	15.00	42.79
SEN00000	-48.40	-13.99	14.06	1.15	0.97	148.19	58.55	36.15	13.00	11.20	36.66	-64.40	34.30	45.07
SEY0IFRB	96.50	55.40	-4.50	0.80	0.80	90.00	54.01	34.76	13.00	11.20	39.57	3.10	107.70	42.28
SLM0IFRB	147.50	158.99	-9.05	1.53	1.00	147.14	59.73	36.98	13.00	11.20	30.23	120.40	179.00	68.27
SLV0IFRB	-130.50	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	27.10	-130.50	-47.50	40.05
SMA00000	-159.00	-170.70	-14.22	0.80	0.80	90.00	50.70	27.53	13.00	11.20	43.00	-169.80	-158.20	68.49
SMO00000	-125.50	-172.11	-13.73	0.80	0.80	90.00	54.34	35.38	13.00	11.20	42.68	-175.00	-121.70	34.01
SMR00000	22.40	12.46	43.95	0.80	0.80	90.00	50.70	29.72	13.00	11.20	21.68	-36.40	61.40	38.34
SNG00000	98.10	103.85	1.28	0.80	0.80	90.00	53.60	34.64	13.00	11.20	29.25	60.60	147.10	83.06
SOM0IFRB	98.40	45.99	6.28	3.05	1.00	72.34	60.13	33.10	13.00	11.20	34.96	-20.00	102.70	24.66
SPM00000	-0.10	-56.40	46.96	0.80	0.80	90.00	53.47	32.55	13.00	11.20	35.99	-13.90	5.70	13.76
SRL0IFRB	-51.80	-11.90	8.50	0.80	0.80	90.00	54.02	34.64	13.00	11.20	33.08	-63.80	40.00	43.01
STP0IFRB	33.40	7.00	1.00	0.80	0.80	90.00	53.77	33.10	13.00	11.20	32.28	-45.40	59.40	59.14
SUI00000	-8.60	8.16	46.49	0.80	0.80	90.00	50.70	30.61	13.00	11.20	21.12	-20.00	35.00	32.63
SUR0IFRB	-77.00	-55.63	3.93	0.96	0.95	37.37	57.34	36.85	13.00	11.20	29.15	-97.00	-15.00	62.27
SWZ00000	33.10	31.29	-26.35	0.80	0.80	90.00	50.70	29.06	13.00	11.20	33.45	-26.80	89.20	58.54
SYR00000	64.30	39.24	34.64	1.36	0.96	31.73	55.39	32.21	13.00	11.20	26.33	10.10	70.00	38.58
TCD0IFRB	-9.90	18.32	15.61	3.38	1.68	96.42	65.93	35.80	13.00	11.20	38.07	-36.50	67.50	45.39
TCH00000	-12.70	17.32	49.59	1.25	1.00	165.56	55.77	32.65	13.00	11.20	20.25	-21.30	54.40	24.43
TGO00000	-21.10	0.83	8.58	1.12	1.00	116.38	58.19	36.80	13.00	11.20	34.28	-41.00	43.40	61.36
THA00000	120.60	100.92	12.82	2.79	1.65	83.47	64.93	37.40	13.00	11.20	28.12	58.60	137.20	55.69
TON0IFRB	-128.00	-175.17	-21.17	0.80	0.80	90.00	54.21	35.25	13.00	11.20	45.50	-175.00	-126.00	31.98
TRD00000	-73.40	-61.09	10.83	0.80	0.80	90.00	53.67	32.71	13.00	11.20	28.83	-112.30	-9.90	70.23
TUN00000	-4.60	9.28	33.46	1.31	1.00	101.03	54.98	31.84	13.00	11.20	28.37	-29.00	68.40	43.84
TUR00000	9.40	34.11	38.87	2.80	1.00	170.97	60.95	34.00	13.00	11.20	25.81	7.10	61.60	31.45
TUV00000	158.00	179.16	-8.50	0.80	0.80	90.00	53.75	32.92	13.00	11.20	43.03	127.30	179.00	63.33
TZA0IFRB	69.50	35.43	-5.93	2.41	1.43	117.15	59.62	32.25	13.00	11.20	33.04	-21.30	91.40	43.72
UAE00000	70.40	53.79	24.87	1.11	0.99	12.14	51.20	29.58	13.00	11.20	28.19	-12.70	120.30	53.90
UGA0IFRB	32.30	32.17	0.95	1.47	1.02	69.56	54.56	31.05	13.00	11.20	31.62	-27.20	91.60	84.88
URG00000	-86.10	-56.26	-33.70	1.06	0.96	58.09	54.44	32.27	13.00	11.20	29.54	-108.90	-3.50	37.60
URS00001	61.00	57.58	48.28	7.50	3.50	177.71	68.80	33.85	13.00	11.20	35.82	56.70	65.40	8.50

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 9-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
ORB (2) ALLOTMENT PLANNING EXERCISE 9-1-1-4 - PART I - SYNTHESIS RESULTS
ORB (2) PLAN DE ADJUDICACION EJERCICIO 9-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

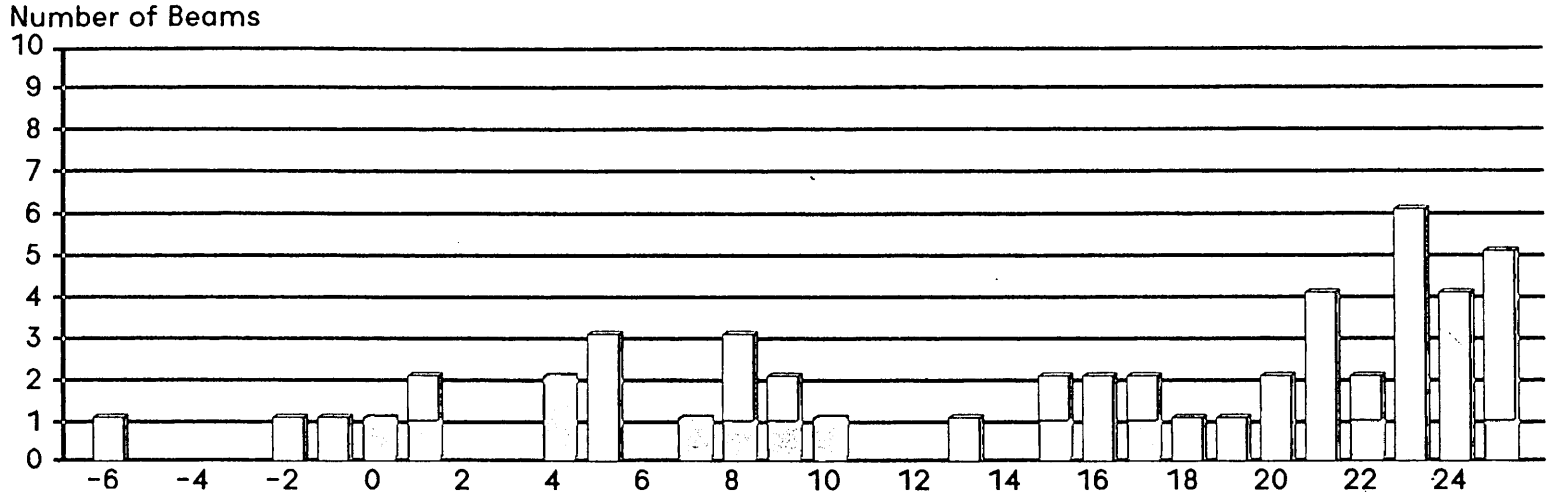
PAG.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT. 15
URS00002	88.10	94.84	48.65	7.50	3.50	174.60	72.38	33.85	13.00	11.20	30.58	87.70	98.00	7.06
URS00003	138.50	134.91	52.65	7.50	3.50	5.33	68.73	33.85	13.00	11.20	31.79	138.50	140.60	6.02
USA00000	-122.50	-97.70	36.86	7.78	3.15	162.78	73.08	38.29	13.00	11.20	31.26	-130.30	-63.50	14.98
USAVIPRT	-122.50	-64.50	17.75	0.80	0.80	90.00	54.42	35.46	13.00	11.20	33.66	-130.30	-63.50	22.27
VCT0IFRB	-93.10	-61.10	13.17	0.80	0.80	90.00	53.90	33.83	13.00	11.20	32.51	-112.30	-9.90	50.10
VEN00001	-82.70	-66.39	6.83	2.77	2.09	142.32	65.82	37.29	13.00	11.20	34.49	-102.50	-24.70	61.69
VEN00002	-82.70	-63.62	15.67	0.80	0.80	90.00	53.75	33.01	13.00	11.20	32.51	-102.50	-24.70	61.34
VTN00000	107.00	108.51	14.22	3.65	2.65	138.76	68.18	37.43	13.00	11.20	27.88	85.10	125.00	62.78
VUT0IFRB	150.70	168.41	-17.16	1.17	1.00	121.88	58.48	36.90	13.00	11.20	35.06	127.40	179.00	58.03
WAK00000	-159.00	-193.50	19.20	0.80	0.80	90.00	50.70	28.02	13.00	11.20	47.40	-169.80	-158.20	44.97
WAL00000	113.00	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	33.23	113.00	114.30	10.03
YEM0IFRB	27.00	44.21	15.06	1.00	0.98	102.87	51.05	29.80	13.00	11.20	31.68	-24.30	113.20	60.40
YMS00000	108.00	49.91	14.76	1.36	1.00	52.87	55.21	31.97	13.00	11.20	28.95	-16.40	114.40	16.47
YUG00000	31.20	18.47	44.26	1.27	1.00	160.61	55.62	32.50	13.00	11.20	29.32	-25.80	60.20	33.83
ZAI0IFRB	51.00	24.44	-4.62	3.85	3.52	91.79	69.94	37.72	13.00	11.20	42.66	-23.60	62.60	44.49
ZMB0IFRB	36.30	27.87	-12.84	2.46	1.55	25.92	58.01	30.73	13.00	11.20	31.16	-27.90	82.50	64.58
ZWE00000	42.50	29.87	-18.91	1.72	1.26	161.53	55.32	30.52	13.00	11.20	26.99	-27.00	85.50	60.06
USA13IB3	-45.00	-68.30	23.90	5.96	4.14	99.00	160.00	28.60	15.00	11.20	37.65	-47.00	-43.00	24.92
USA13IB4	-45.00	-56.20	-10.70	13.36	8.48	109.00	160.00	29.60	15.00	11.20	34.47	-47.00	-43.00	19.85
USA13HB3	-57.00	-69.40	24.50	6.28	4.30	119.00	160.00	25.60	15.00	11.20	32.60	-59.00	-55.00	32.67
USA13HB4	-57.00	-59.40	-10.60	13.21	9.34	104.00	160.00	26.60	15.00	11.20	29.80	-59.00	-55.00	21.60
USA13EB1	-58.00	-3.10	46.90	3.70	1.00	142.00	160.00	29.70	15.00	11.20	25.27	-58.00	-58.00	4.47
USA13DB1	-56.00	-3.00	47.00	3.70	1.00	143.00	160.00	29.70	15.00	11.20	23.80	-56.00	-56.00	6.01
EIREB100	-31.00	-78.40	39.10	6.12	1.45	46.00	53.40	39.20	13.00	11.20	29.10	-31.00	-31.00	7.75
EIREB200	-31.00	0.30	46.80	3.61	1.75	145.00	53.40	36.90	13.00	11.20	11.00	-31.00	-31.00	13.73
LUXGDL42	-20.00	2.02	46.53	3.80	2.20	172.00	160.00	39.00	15.00	11.20	34.36	-20.00	-20.00	27.42
LUXGDL52	1.00	3.03	47.46	3.66	2.36	11.00	160.00	39.00	15.00	11.20	10.29	1.00	1.00	32.30
LUXGDL62	19.20	4.34	47.70	4.10	2.10	21.00	68.00	39.00	13.00	11.20	28.76	19.20	19.20	20.40
URSEEDRN	-160.00	-219.50	53.17	0.97	0.97	90.00	160.00	33.00	15.00	11.20	34.54	-160.00	-160.00	7.18
URSCSDR1	95.00	40.57	56.18	0.97	0.97	90.00	160.00	33.00	15.00	11.20	46.58	95.00	95.00	8.06
URSCSDR2	95.00	140.50	53.17	0.97	0.97	90.00	160.00	33.00	15.00	11.20	44.28	95.00	95.00	8.06
URSWWDRN	-16.00	40.57	56.18	0.97	0.97	90.00	160.00	33.00	15.00	11.20	28.01	-16.00	-16.00	7.95
URSCSRB1	77.00	113.50	52.10	1.14	1.14	90.00	160.00	29.00	15.00	11.20	38.26	77.00	77.00	13.68
URSCSRB2	77.00	40.80	55.70	1.14	1.14	90.00	160.00	29.00	15.00	11.20	40.34	77.00	77.00	7.48
URSVVRB1	167.00	113.50	52.10	1.14	1.14	90.00	160.00	29.00	15.00	11.20	48.81	167.00	167.00	4.86
URSZZRB1	-16.00	40.80	55.70	1.14	1.14	90.00	160.00	29.00	15.00	11.20	23.58	-16.00	-16.00	3.20
F__LSAT1	-19.00	-4.00	50.80	1.50	1.50	90.00	74.00	140.00	13.00	12.00	51.46	-19.00	-19.00	18.46
F__LSAT2	-19.00	5.00	47.40	1.50	1.50	90.00	74.00	140.00	13.00	12.00	42.65	-19.00	-19.00	19.42
F__LSAT3	-19.00	14.00	44.50	1.50	1.50	90.00	74.00	140.00	13.00	12.00	41.39	-19.00	-19.00	17.17
F__LSAT4	-19.00	15.70	62.60	1.50	1.50	90.00	74.00	140.00	13.00	12.00	49.67	-19.00	-19.00	12.35
F__LSAT5	-19.00	-5.20	40.00	1.50	1.50	90.00	74.00	140.00	13.00	12.00	49.14	-19.00	-19.00	31.87
CANMSAT0	-106.50	-95.90	42.90	8.56	3.91	164.00	68.70	129.00	13.00	12.00	34.47	-106.50	-106.50	7.56
F__EU1B1	10.00	8.20	38.62	7.63	4.46	0.00	160.00	19.50	15.00	11.20	10.59	10.00	10.00	31.46
F__E12B1	13.00	8.75	38.55	7.63	4.46	0.00	160.00	19.50	15.00	11.20	21.41	13.00	13.00	33.25
F__E13B1	7.00	7.33	38.62	7.63	4.46	0.00	160.00	19.50	15.00	11.20	35.16	7.00	7.00	13.36
F__E14B1	16.00	8.63	38.32	7.63	4.46	0.00	160.00	19.50	15.00	11.20	2.11	16.00	16.00	9.78
PAKSAT01	38.00	69.33	29.83	3.17	2.13	30.00	160.00	33.00	15.00	11.20	3.35	38.00	38.00	31.51
PAKSAT02	41.00	69.33	29.83	3.17	2.13	30.00	160.00	33.00	15.00	11.20	3.41	41.00	41.00	33.65

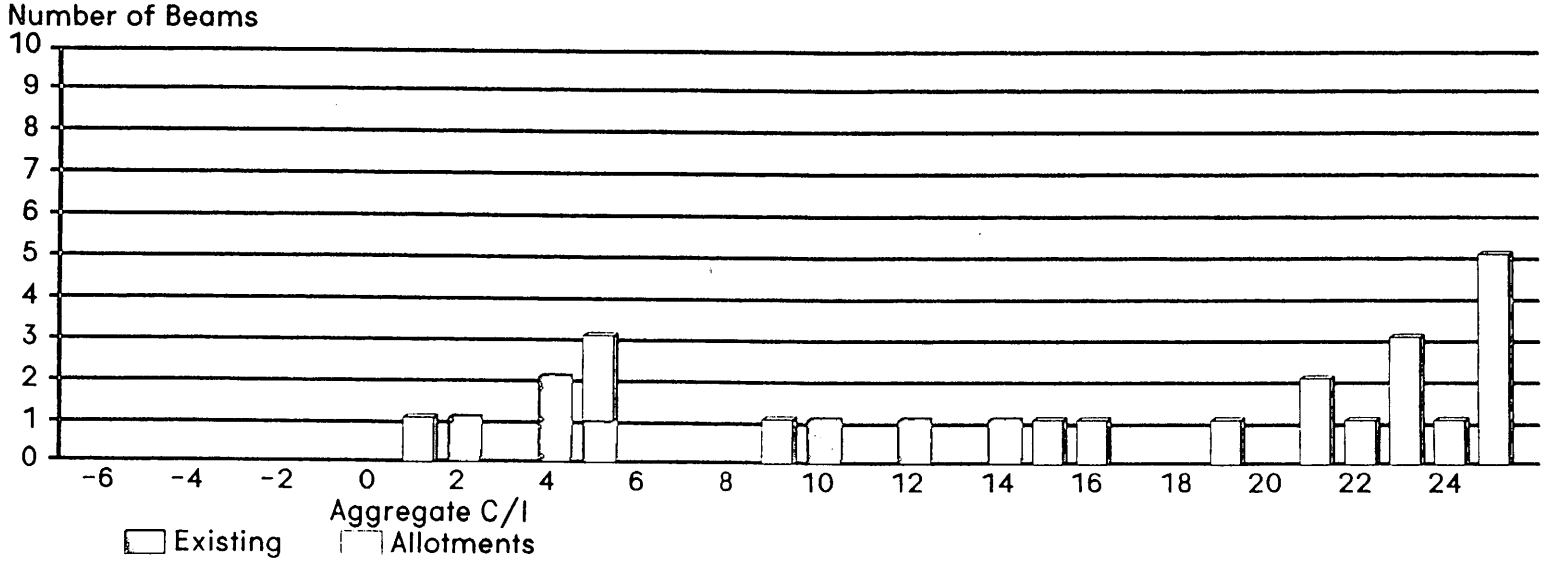
ADMINISTRATION

A / B Compatibility Improvement

6/4 GHz. Doc. 307 + Existing Systems

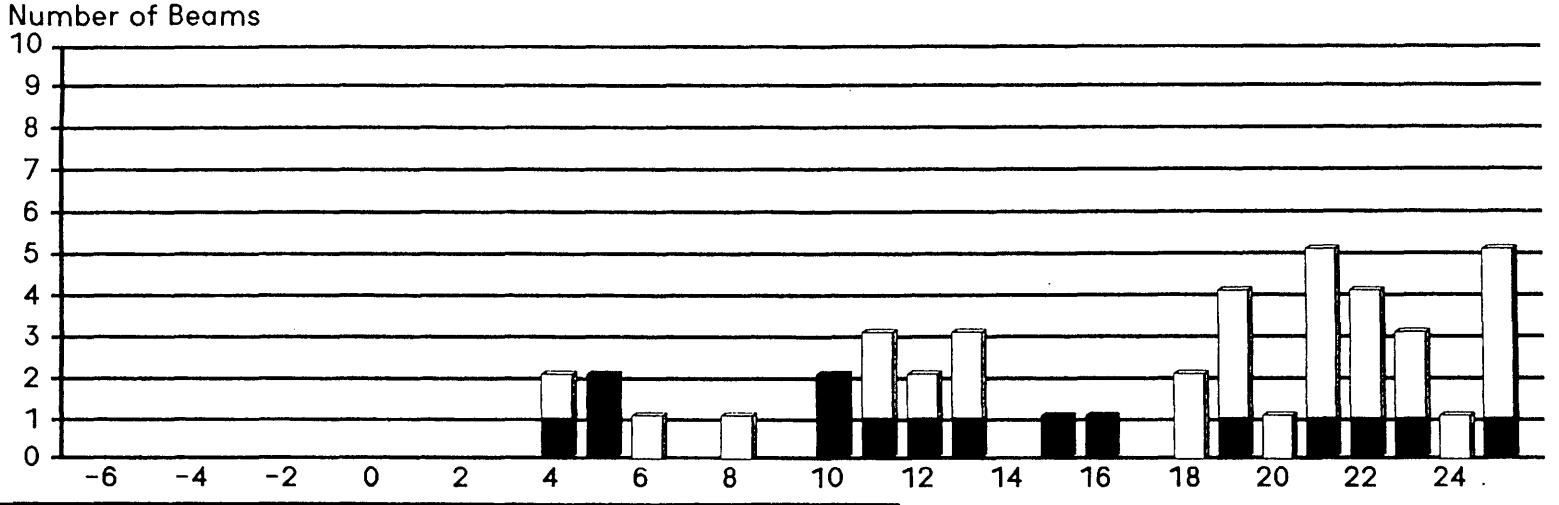


6/4 GHz. Improved Part A + Existing Sys.

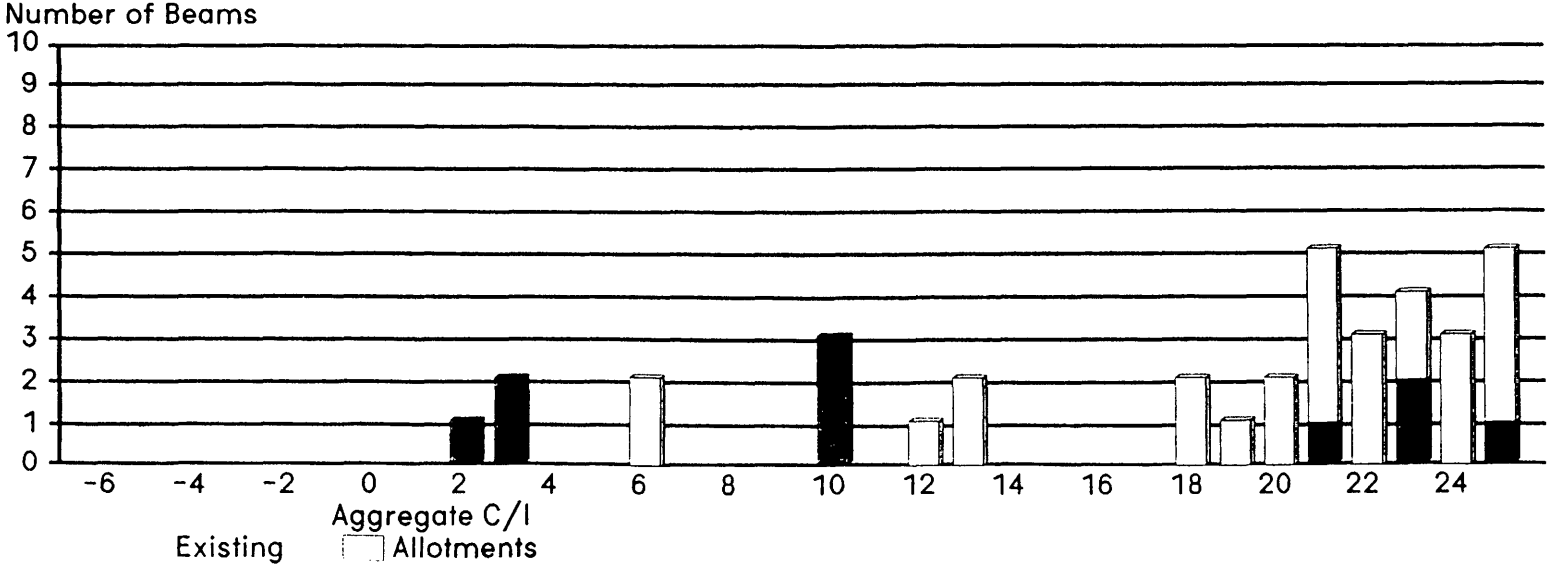


A / B Compatibility Improvement

13/10 GHz. Doc. 307 + Existing Sys.



13/10 GHz. Improved Part A + Existing Sys.



INTERNATIONAL TELECOMMUNICATION UNION

ORB-88 WARC ON THE USE OF THE GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 400-E
1 October 1988

LIST OF DOCUMENTS
(Documents 351 to 400)

PL = Plenary Meeting
C = Committee
WG = Working Group
SWG = Sub-Working Group
DG = Drafting Group

No.	Origin	Title	Destination
351	C.6	Summary Record of the seventh meeting of Committee 6	C.6
352	C.7	B.3	PL
353	WG 2A	Third Report of Working Group 2A to Committee 2	C.2
354 + Corr. 1	PL	Minutes of the fifth Plenary Meeting	PL
355	WG 6C	Eighth Report of the Chairman of Working Group 6C to the Chairman of Committee 6	C.6
356	C.5	Summary Record of the eighth meeting of Committee 5	C.5
357	WG 4C Ad Hoc 1	Third Report of Working Group 4C Ad Hoc 1 on Definitions - Article [F] - Definitions	WG 4C
358	C.5	Second series of texts from Committee 5 to the Editorial Committee	C.7
359	WG 4C	Note from the Chairman of Working Group 4C to the Chairman of Committee 4	C.4
360	WG 5B	Fourth Report of Working Group 5B to Committee 5	C.5
361	WG 6B	Seventh Report of the Chairman of Working Group 6B to Committee 6	C.6

For reasons of economy, this document is printed in a limited number of copies. Participants are therefore kindly asked to bring their copies to the meeting since no others can be made available.

No.	Origin	Title	Destination
362	WG 6B	Eighth Report of the Chairman of Working Group 6B to Committee 6	C.6
363	C.4	Summary Record of the thirteenth meeting of Committee 4	C.4
364	C.4	Summary Record of the fourteenth meeting of Committee 4	C.4
365	C.5	Summary Record of the ninth meeting of Committee 5	C.5
366	C.6	Summary Record of the eighth meeting of Committee 6	C.6
367	WG 6C Ad Hoc 4	Report of Working Group 6C Ad Hoc 4 to the Chairman of Working Group 6C	WG 6C
368	WG 5B	Fifth Report of Working Group 5B to Committee 5	C.5
369	WG 5B	Draft Resolution [COM5/5]	C.5
370	C.5	Third series of texts from Committee 5 to the Editorial Committee	C.7
371	WG 6C	Ninth Report of the Chairman of Working Group 6C to the Chairman of Committee 6	C.6
372	C.5	Note from the Chairman of Committee 5 to the Chairman of Committee 6	C.6
373	WG 5B	Draft Resolutions on the Recording and the Provisional Application of the Regions 1 and 3 Feeder-Link Plan	C.5
374	WG 5B Ad Hoc 1	Report of Working Group 5B Ad Hoc 1 on Item 8 of the agenda	C.5
375	C.6	Fifth series of texts from Committee 6 to the Editorial Committee	C.7
376	C.6	Sixth series of texts from Committee 6 to the Editorial Committee	C.7
377	C.5	Fourth series of texts from Committee 5 to the Editorial Committee	C.7

No.	Origin	Title	Destination
378 (Rev. 1) + Corr. 1	WG 5A	Sixth Report from Working Group 5A to Committee 5 - BSS Feeder-Link Planning Draft Plan	C.5
379	WG 5 Ad Hoc 1	Report from the Chairman of Working Group 5 Ad Hoc 1 to the Chairman of Committee 5 - Analysis of Interference between the Feeder-Link Plans of Regions 1 and 2	C.5
380	SG	Note by the Secretary-General relating to transfer of right to vote	-
381 + Corr. 1	C.7	B.4	PL
382 + Corr. 1	C.2	Report of Committee 2 to the Plenary Meeting	PL
383	WG 6 Ad Hoc 1	Report of the Chairman of Working Group 6 Ad Hoc 1 to the Chairman of Committee 6 - Draft Resolution [COM6/4]	C.6
384	F	Recommendation [COM6/..]	C.6
385	C.2	Summary Record of the second and last meeting of Committee 2	C.2
386	C.4	Summary Record of the fifteenth meeting of Committee 4	C.4
387	C.5	Summary Record of the tenth meeting of Committee 5	C.5
388	C.5	Summary Record of the eleventh meeting of Committee 5	C.5
389	C.5	Fifth series of texts from Committee 5 to the Editorial Committee	C.7
390	WG 6A	Fourth and final Report of Working Group 6A	C.6
391 + Add. 1	WG 6B	Ninth Report from the Chairman of Working Group 6B to Committee 6	C.6
392	WG 6C	Tenth Report of the Chairman of Working Group 6C to the Chairman of Committee 6	C.6
393	C.5	Sixth series of texts from Committee 5 to the Editorial Committee	C.7

No.	Origin	Title	Destination
394	C.6	Seventh series of texts from Committee 6 to the Editorial Committee	C.7
395	C.6	Seventh and Eighth series of texts from Committees 5 and 6 respectively to the Editorial Committee	C.7
396	C.6	Ninth series of texts from Committee 6 to the Editorial Committee	C.7
397	C.7	B.5	PL
398	C.6	Eighth series of texts from Committee 5 to to the Editorial Committee	C.7
399	SGT 4B1	Report from the Chairman of Sub-Working Group 4B1 to Committee 4	C.4
400	SG	List of documents (351 to 400)	-