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Documents of the World Administrative Radio Conference on the use of the geostationary-satellite orbit and the planning of the space services utilizing it (2nd session) (WARC ORB-88 (2))
(Geneva, 1988)

To reduce download time, the ITU Library and Archives Service has divided the conference documents into sections.

- This PDF includes Document No. 201-300
- The complete set of conference documents includes Document No. 1-489, DL No. 1-72, DT No. 1-95

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 201-E
7 September 1988
Original: English

COMMITTEE 4

Pakistan (Islamic Republic of)

PROPOSAL FOR THE WORK OF THE CONFERENCE

The Pakistan Administration considering that the question of guaranteed access and utilization of available orbit and spectrum resources by all the Member Administrations on the one hand, and the need for efficient utilization of these resources on the other hand, are of major concern to the ITU and its Member Administrations, the planning of space services using GSO and the spectrum in the light of equitable access and efficient utilization is extremely difficult; the situation is again not very prevalent for developing countries where the gap between developed and developing countries is widening in terms of equity which needs to be achieved in practice without sacrificing the entire efficiency of resources. Considering, therefore, that WARC ORB(2) should be guided in its work taking into account the proposals of Member Administrations and the results of WARC ORB(1) and intersessional studies carried out by the IFRB and the CCIR, the Pakistan Administration has the following proposals to make:

Agenda item 1 - Allotment Plan for FSS in 4 500 - 4 800 MHz.

6 425 - 7 075 MHz (300 MHz to be selected)

10.70 - 10.95 GHz, 12.75 - 13.25 GHz, 11.20 - 11.45 GHz

PAK/201/1

The Allotment Plan has to specify satellite position in GSO, service area and frequency band for each country. The Pakistan Administration proposes that the preferred orbital positions selected by developing countries and based upon reasonable justifications be given priority in allotting these orbital positions to developing countries.

In the Allotment Plan a given criteria of overall (C/I) must be achieved at the edge of the service area for each allotment.

PAK/201/2

The Pakistan Administration proposes planning in accordance with "individual compatible predetermined arc". This Administration is of the opinion that this approach is more close to the demand of guaranteed access of GSO by all countries. This Administration also proposes that depending upon the geographical areas and terrain considerations more than 10 test points may be tested for administrations requesting for the same. Monitoring points should also be chosen at the edge of coverage to work out overall (C/I) criteria.

Considering that Pakistan has hilly areas where establishment of communication links via satellite require at least 30° elevation angles, the orbit range 34°E - 107°E is preferred for Pakistan. In addition, the rain attenuation in certain regions in Pakistan is high enough (8-11 dB)

so that $E \geq 30^\circ$ as also indicated in the annex to IFRB Circular-Letter No. 738 of 16 May 1988. Further consideration of eclipse condition reduces the preferred orbital arc to $34^\circ\text{E} - 62^\circ\text{E}$. Therefore, an orbital position within this range will be most suitable to Pakistan.

Yet another consideration is that of existing/planned networks in this range. The review of the latest list of geostationary space stations published in Report 27 by the ITU on telecommunications and the peaceful uses of outer space (1988) reveals the availability of following small gaps:

41 - 45 exclusive
49 - 53 "
53 - 57 "

All other space stations have $\leq 1^\circ$ separation in the range $34^\circ - 62^\circ\text{E}$. (Preferred locations, 43°E , 51°E , 55°E .)

PAK National Beam

Ellipse size (minimum)
(2.3×2.16)
(As also defined in the WARC-77 Plan)

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Document 202-E
7 September 1988
Original: French

COMMITTEE 5

France

FEEDER-LINK PLAN, CONSIDERATION OF REQUIREMENTS OF FRANCE

For a number of departments and territories situated in Regions 1 and 3, France would like to be able to feed its satellites by means of two feeder links not operating simultaneously. These requirements have been indicated to the IFRB and concern the following beams:

MAYOTTE beams MYT 09800 and MYT 09801 (5 channels)

REUNION beams REU 09700 and REU 09701 (5 channels)

NEW CALEDONIA beams NCL 10000 and NCL 10001 (4 channels)

WALLIS AND FUTUNA beams WAL 10200 and WAL 10201 (4 channels)

France has taken note of the technique adopted by the IFRB to take these requirements into account in the computation software. As this software can only accept a single feeder link per down beam, a method involving the allocation of 3 (or 4) channels to one of the beams and one channel to the other beam has been devised. With this method, it is possible, in analysing the plan, to find the results relating to the use of the first beam in the first 3 (or 4) channels, and the results relating to the use of the second beam in the 4th (or 5th) channel.

France wishes to make it clear that, if the results of the planning exercises show that it is possible to meet this request, it will not be the planning exercise data which should appear in the final plan (1 beam with 3 or 4 channels and 1 beam with 1 channel) but the real situation of the feeder link requirements, i.e. 4 or 5 channels - as necessary - for each of the 2 beams.

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 203-E
7 September 1988
Original: English

Source: Documents 182, 179

COMMITTEE 5

SECOND REPORT OF WORKING GROUP 5-A TO COMMITTEE 5

1. Establishment of an ad hoc Group 5-A-1 ad hoc 1 to help the IFRB during the planning process

The terms of reference of the ad hoc Group are reported in Document 158 and they were approved. They are reproduced below:

1. To examine together with the IFRB the submitted requirements with the aim of identifying missing data and errors, if it is the case.
2. To identify the cases of incompatibilities in the Plan produced by the IFRB.
3. To contact the administrations concerned in order to find satisfactory solutions.

The composition of the ad hoc group was also agreed. It is reported below:

- For Region 1: a representative from the United Kingdom, Egypt, Kenya, USSR and Yugoslavia.
- For Region 3: a representative from Japan, China, India, Iran and the United States of America.
- a representative of the IFRB.

The coordination of the ad hoc Group will be assured by the Chairman of the Sub-Working Group 5-A-1.

2. Guidelines for the first planning exercise

The following steps for producing the planning exercise were agreed.

2.1 After the IFRB has received from the interested administrations the corrections of their requests (1800 hours Monday, 5 September 1988), the IFRB will give back only to the administrations concerned, for control purposes, the received corrections. This will be done at the latest by 1200 hours Tuesday, 6 September 1988.

2.2 The concerned administrations will have until 1800 hours on 6 September 1988 to check if the IFRB has correctly noted their observations. If within the specified deadline no comment has been communicated to the IFRB, the requirements received from administrations will be assumed to be correct.

2.3 For the planning exercise, the technical parameters produced by Working Group 5-A will be used.

2.4 The first IFRB planning exercise will be carried out on the following basis:

- uniform e.i.r.p.: 84 dBW for the 17 GHz band
82 dBW for the 14 GHz band;
- clear-sky conditions;
- technical data determined by Working Group 5-A included in this report;
- excluding the above, requirements submitted by the administrations before 1800 hours Monday, 5 September 1988 and eventually amended at the latest by 1800 hours Tuesday, 6 September 1988.

2.5 Having done the Plan the IFRB will give to each administration only the detailed analysis that concerns the administration itself.

2.6 A complete analysis of the entire Plan (Region 1 and Region 3) will be put at the disposal of all the administrations for consultation only.

2.7 A complete analysis of the entire Plan will be put at the disposal of the ad hoc Group for its work.

2.8 The presentation of the Plan will be done by orbital position.

2.9 Equivalent up-link protection margins and overall (up and down) equivalent protection margins will be produced and published as a Conference document.

2.10 The ad hoc Group will examine the results of the plan exercise, it is its task to identify incompatibilities and to suggest solutions.

2.11 Some representatives nominated by the ad hoc Group will assure the contact with the administrations with the aim to facilitate the solution of the incompatibility problems. They will also collect from the administrations concerned the modifications to their requirements; it is strongly desirable that those modifications will be made only with the aim to eliminate negative margins.

3. Technical parameters to be used for the next planning exercises

Working Group 5-A concluded the following as the technical parameters to be used for the next planning exercises.

SUMMARY OF THE TECHNICAL PARAMETERS TO BE USED FOR THE NEXT PLANNING EXERCISES

	Parameter	Value	Note
1.	Carrier-to-noise ratio	24 dB for 99% of the worst month	-
2.	Co-channel carrier-to-interference protection ratio	40 dB	
3.	Adjacent channel carrier-to-interference protection ratio	21 dB	
4.	Feeder link e.i.r.p. initial planning value	17.3 - 18.1 GHz - 84 dBW 14.5 - 14.8 GHz - 82 dBW	
5.	Transmitting antenna	—	
a)	Diameter	17.3 - 18.1 GHz - 5 m 14.5 - 14.8 GHz - 6 m	
b)	On-axis gain	57 dBi	-
6.	Off-axis e.i.r.p.	—	
a)	Co-polar off-axis e.i.r.p.	E-25-25 log φ (dBW) for $1^\circ \leq \varphi \leq 48^\circ$, E-67(dBW) for $\varphi > 48^\circ$	
b)	Cross-polar off-axis e.i.r.p.	E-30(dBW) for $0^\circ \leq \varphi \leq 1.6^\circ$, E-25-25 log φ (dBW) for $1.6^\circ < \varphi \leq 48^\circ$, E-67(dBW) for $\varphi > 48^\circ$	
7.	Earth station antenna mispointing loss	1 dB	

	Parameter	Value	Note
8.	Satellite receiving antenna	—	
a)	Cross section of beam	elliptical or circular	
b)	Co-polar reference pattern	<p>relative gain (dB)</p> $-12 \left(\frac{\theta}{\theta_0}\right)^2 \text{ for } 0 \leq \frac{\theta}{\theta_0} \leq 1.30$ $-17.5 - 25 \log \left(\frac{\theta}{\theta_0}\right) \text{ for } \frac{\theta}{\theta_0} > 1.30$ <p>After intersection with curve C: as curve C. Curve C equals minus the on-axis gain</p>	
c)	Cross-polar reference pattern	<p>relative gain (dB)</p> $-30 - 12 \left(\frac{\theta}{\theta_0}\right)^2 \text{ for } 0 \leq \frac{\theta}{\theta_0} \leq 0.5$ $-33 \text{ for } 0.5 < \frac{\theta}{\theta_0} \leq 1.67$ $- \left(40 + 40 \log \left \frac{\theta}{\theta_0} - 1 \right \right) \text{ for } \frac{\theta}{\theta_0} > 1.67$ <p>After intersection with curve C: as curve C. Curve C equals minus the on-axis gain</p>	
9.	Satellite receiving antenna pointing accuracy	0.2°	
10.	Satellite receiving system noise temperature	1800 K	

	Parameter	Value	Note
11.	Type of polarization	Circular	
12.	Sense of polarization	—	See Note 1
13.	Automatic gain control	Not taken into account	See Note 2
14.	Power control	Not taken into account	See Note 3
15.	Earth station location	—	
16.	Propagation	—	See Note 4
17.	Carrier to noise degra-dation due to AM-to-PM conversion	2.0 dB	
18.	Depolarization compensation	Not taken into account	
19.	Site diversity	Not taken into account	
20.	Calculation method of OEPM		See Note 5
21.	Overall protection ratio	30 dB for co-channel	

Note 1 - The Plan will use the requirement of the administrations. Where not specified in the requirements, the Plan will use the opposite sense of polarization. The sense of polarization may be changed in optimizing the Plan.

Note 2 - Even though AGC is not taken into account for planning, it should be assumed that the feeder link plan will be based on maintaining a constant output power of the space station transmitter when variations occur in the signal level received by the space station.

Note 3 - The Plan should not take account of power control. Power control is permitted only to the extent that interference to other satellites does not increase by more than 0.5 dB¹ relative to that calculated in the feeder link plan.

Note 4 - The propagation model is described in paragraph 6.2.2.17 of the WARC ORB(1) Report. (For Rain Climatic Zone map see Document 174.)

Note 5 - Calculation method of overall equivalent protection margin (OEPM).

$$OEPM = -10 \log \left[10^{\frac{-(M_u + R_{cw})/10}{+ 10}} \cdot 10^{\frac{-(M_d + R_{cd})/10}{+ 10}} \right] \cdot R_{co}$$

where:

M_u : equivalent* protection margin for the feeder link,

M_d : equivalent* protection margin for the down-link,

R_{cw} : co-channel feeder link protection ratio,

R_{cd} : co-channel down-link protection ratio, and

R_{co} : co-channel overall protection ratio.

M_u and M_d have to be calculated independently. M_d was calculated according to WARC BS-77.

M_u is calculated as follows:

$$M_u = -10 \log \left[10^{\frac{-M_{cw}/10}{+ 10}} \cdot 10^{\frac{-M_{aw1}/10}{+ 10}} \cdot 10^{\frac{-M_{aw2}/10}{+ 10}} \right]$$

¹ This margin has to be shared between power control effects and depolarization compensation effects, when both are involved (see section 6.2.2.19 of the WARC ORB(1) Report).

* The term "equivalent" means the power sum of the co-channel, upper adjacent and lower adjacent channel margins.

where:

M_{cw} : co-channel feeder link margin, given by:

$$M_{cw} = (C/I)_{cw} - R_{cw}$$

M_{aw1} : upper adjacent channel feeder link margin given by:

$$M_{aw1} = (C/I)_{aw1} - R_{aw}$$

M_{aw2} : lower adjacent channel feeder link margin, given by:

$$M_{aw2} = (C/I)_{aw2} - R_{aw}$$

R_{aw} : adjacent channel feeder link protection ratio.

The values of the protection ratios are as follows:

$$R_{co} = 30 \text{ dB}$$

$$R_{cw} = 40 \text{ dB}$$

$$R_{cd} = 31 \text{ dB}$$

$$R_{aw} = 21 \text{ dB}$$

4. Guidelines for the use of ULPC

This matter is now under examination by Sub-Working Group 5-A-2
ad hoc Group 2.

R.M. BARTON
Chairman of Working Group 5-A

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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Document 204-E
7 September 1988
Original: English

PLENARY MEETING

FIRST REPORT OF THE WORKING GROUP OF THE PLENARY TO THE PLENARY

AMENDMENTS TO APPENDIX 29 TO THE RADIO REGULATIONS

1. Based on the consideration of Documents 3, 7, 12, 18, 21, 34, 67, 69, 90, DL/3, DL/4 and DT/27, the Working Group of the Plenary has reached the following conclusions.

2. Following detailed discussion of the need to revise the threshold value for determining if coordination is required under provision RR 1060 and consideration of input documents and existing CCIR texts concerning methods of calculating interference between carriers, and particularly the case of FM-TV and SCPC, the Working Group of the Plenary agreed to the following amendments to Appendix 29:

2.1 to raise the threshold value of increase to the equivalent satellite link noise temperature from "4%" to "6%". The necessary changes to Appendix 29 are at:

paragraph 3.1
paragraph 3.2.a
paragraph 3.2.b
Annex IV, paragraph 4.

2.2 to change the title of section 4 to read "Consideration of narrow-band and FM-TV carriers";

2.3 to add a new paragraph as the third paragraph of section 4 (between the existing second and third paragraphs):

"For this special case administrations are referred to relevant CCIR texts for guidance in facilitating subsequent coordination.";

2.4 to change the reference at the end of the paragraph of section 2.2.1.2 by deleting "2.3" and inserting "3.2".

3. Reservation

France has reserved its position relating to sub-paragraph 2.1 above.

Note by the Secretariat: The revised texts on the modifications to Appendix 29 of the Radio Regulations have been submitted to the Editorial Committee for subsequent submission to the Plenary Meeting (see Document 205).

R. RYVOLA
Chairman of the Working Group
of the Plenary

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INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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Document 205-E
8 September 1988
Original: English

COMMITTEE 7

FIRST SERIES OF TEXTS FROM THE WORKING GROUP OF THE PLENARY TO THE EDITORIAL COMMITTEE

The attached texts as adopted by the Technical Working Group of the Plenary,
are hereby submitted to the Editorial Committee.

R. RYVOLA
Chairman of the Working Group
of the Plenary

Annex: 1

CONF\ORB-2\DOC\205E.TXS

ANNEX

Amendments to Appendix 29 of the Radio Regulations

2.2.1.2 *Cases requiring independent treatment of the up-link and the down-link*

MOD

If there is a change of modulation in the satellite or if the transmission originates on board the satellite, then the apparent increase in the noise temperature must be related to the total receiving system noise temperature of the specific link being examined (the space station or the earth station, whichever is applicable). In this case, the equivalent noise temperature of the entire satellite link and the transmission gain are not used and equations (1) and (2) above are used separately as required (see § 2.3). 3.2.

3. *Comparison between calculated percentage increase in noise temperature and the threshold value*

3.1 *Simple frequency-changing transponder on board the satellite*

MOD

The calculated values of the $\frac{\Delta T}{T}$ and $\frac{\Delta T'}{T'}$, expressed as percentages, shall be compared with the threshold value of 4%. 6%.

- If the calculated value of $\frac{\Delta T}{T}$, expressed as a percentage, due to any interfering emission from satellite link A' to satellite link A, is no greater than the threshold value, coordination is not required with respect to interference from link A' to link A.
- If the calculated value of $\frac{\Delta T'}{T'}$, expressed as a percentage, is greater than the threshold value, coordination is required.

The comparison of $\frac{\Delta T'}{T'}$, with the threshold value, expressed as a percentage, shall be carried out in a similar manner.

3.2 *Cases requiring independent treatment of the up-link and the down-link*

MOD

- a) In the case of interference into only one link, the up-link or the down-link, the value $\Delta T_e/T_e$ or $\Delta T_s/T_s$, expressed as a percentage, shall be compared with the threshold value of 4%. 6%.

MOD

- b) In the case of interference into both the up-link and the down-link, between which there is a change of modulation on board the satellite, the values of $\Delta T_e/T_e$ and $\Delta T_s/T_s$, expressed as a percentage, shall each be compared with the threshold value of 4%. 6%.

MOD 4. Consideration of narrow-band and FM-TV carriers

NOC The method of calculation described in this Appendix may underestimate the interference from slow swept TV carriers into certain narrow-band (single channel per carrier, SCPC) carriers.

In order to facilitate coordination between the satellite systems and to reduce the number of administrations involved in this procedure, the administrations whose SCPC assignments are either recorded in the Master Register or are under coordination may inform an administration notifying its new assignment of the radio frequency channels used in their systems for SCPC transmission, so that the notifying administration may be able to avoid using these channels for FM-TV transmissions.

ADD For this special case administrations are referred to relevant CCIR texts for guidance in facilitating subsequent coordination.

NOC Conversely, administrations introducing new systems using SCPC transmissions may seek appropriate information from other administrations on their FM-TV transmissions.

NOC

ANNEX IV

Example of an Application of Appendix 29

MOD 4. *Conclusion*

In the example shown, the percentage increase in equivalent satellite link noise temperature is 7.8%. Since it exceeds the threshold value of 4%, 6%, coordination between the two networks is required.

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Document 206-E
7 September 1988
Original: English

Source: Document DL/6

PLENARY MEETING

SECOND REPORT OF THE WORKING GROUP OF THE PLENARY TO THE PLENARY

TERMS OF REFERENCE, ITEM 3 OF THE WORKING GROUP OF THE PLENARY CONCERNING THE BANDS BETWEEN 18.1 AND 30.0 GHz

1. Introduction

The First Session asked the CCIR "to study the technical characteristics of the FSS in the frequency band 20/30 GHz and to report to the Second Session with the view of taking a decision on the planning of these bands at a future competent conference". Specifically, the frequency bands 18.1 to 20.2 GHz and 27.0 to 30.0 GHz were included under the improved procedures part of the planning method and are covered under this note.

The CCIR has examined these frequency bands at meetings of Interim Working Party 4/1 of Study Group 4 in both 1986 and 1987, at the final meeting of Study Group 4 in October 1985, at the interim meeting of Study Group 4 in November 1987 and at the Joint Interim Working Party (JIWP) in December 1987. The Report of the JIWP to the Second Session is the culmination of these efforts and contains the response of the CCIR to the request of the First Session.

2. Discussion

The Report of the JIWP has been submitted to this Conference as Document 3 and the subject of these frequency bands is covered in Chapter 3, section 3.12. The conclusions of the JIWP are summarized in section 2 of the Executive Summary and the following is a quote from the Report of the JIWP:

"The CCIR considers that it would be extremely unwise for the 30/20 GHz bands to be subject to planning before the CCIR is in possession of much more extensive propagation data and information on practical techniques to combat carrier fades and depolarization. It is considered important for the CCIR to pursue the appropriate studies vigorously."

The Working Group of the Plenary has examined the Report of the JIWP and has also considered proposals from two administrations (the United States and Japan) which support the conclusions of the CCIR (see Documents 3, 12 and 53).

3. Conclusion

The Working Group of the Plenary concludes from these examinations that the CCIR findings are valid and accordingly makes the following Recommendation to the Conference:

3.1 The bands in question should not be included in any planning method, but should continue to be treated under Articles 11 and 13.

3.2 A draft Resolution was adopted and submitted to the Editorial Committee (see Document 207).

R. RYVOLA
Chairman of the Working Group of the Plenary

INTERNATIONAL TELECOMMUNICATION UNION

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Document 207-E
8 September 1988
Original: English

Source: Document DL/6

COMMITTEE 7

SECOND SERIES OF TEXTS FROM THE WORKING GROUP OF THE PLENARY TO THE EDITORIAL COMMITTEE

The attached Resolution as adopted by the Technical Working Group of the Plenary is hereby submitted to the Editorial Committee.

R. RYVOLA
Chairman of the Working Group
of the Plenary

Annex: 1

ANNEX

RESOLUTION [GT-PLEN/1]

Planning of the Fixed-Satellite Service in
the Bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz

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 (Orb-88),

considering

- a) that WARC ORB(1) requested the CCIR to study the technical characteristics of the fixed-satellite service in the bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz with a view to taking a decision on the future planning of these bands for the fixed-satellite service by a future competent conference;
- b) that the CCIR concluded that it would be extremely unwise for these bands to be subject to planning at this time and that further study would be necessary;

recognizing

1. that these bands have not been exploited extensively due to technical and economic reasons, although they potentially have great capacity;
2. that the required satellite orbital spacing may be reduced resulting in easier coordination between satellite networks because narrower satellite antenna beamwidths can be achieved than in the lower frequency bands;
3. that different performance criteria may well be necessary from those which currently exist for frequency bands below 15 GHz, since the propagation characteristics are different;

resolves

that the bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz shall not be included in frequency bands identified for planning at this time;

requests

the CCIR to continue its studies into the technical characteristics of the relevant bands.

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 208-E

7 September 1988

Original: English

Ref.: Document 114

PLENARY MEETING

PROPOSAL FROM THE CHAIRMAN OF COMMITTEE 5

It is submitted for the consideration of the Plenary Meeting to add the following item to the terms of reference of Committee 5:

8. To consider, in the light of the decisions taken under paragraphs 1 to 7 above, revise as necessary, and take other appropriate action upon the relevant Resolutions and Recommendations (agenda item 13).

D. SAUVET-GOICHON
Chairman of Committee 5

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 209-E
7 September 1988
Original: English

WORKING GROUP OF THE PLENARY

FIRST REPORT OF THE CHAIRMAN OF SUB-WORKING GROUP 1 OF THE WORKING GROUP OF THE PLENARY TO THE WORKING GROUP OF THE PLENARY

Sub-Working Group 1 met on Wednesday, 7 September 1988.

The draft agenda (Document SWG PL-1/1) was approved with a minor editorial change. This change consisted of modifying the frequency in item 3 from 1 790 MHz to 1 710 MHz.

The terms of reference of the Group (Document DL/9) were read and approved without change.

There was a long, fruitful discussion of the proposed values for Table II of Appendix 28 of the Radio Regulations, in respect of the meteorological-satellite service operating in the frequency bands 1 670 - 1 700 MHz and 1 700 - 1 710 MHz.

Questions were raised about:

- 1) the absence of this subject from discussion in the CCIR Report to the Second Session (Islamic Republic of Iran); and
- 2) the difference between some proposed values and those agreed at the 1987 interim meeting of CCIR Study Group 2 (United Kingdom).

The Canadian Delegation informed the meeting that it had performed some preliminary calculations using the proposed values and the equations of Appendix 28, section 3, which resulted in very high coordination distances. Canada pointed out that, in making these calculations, some assumptions had been made about meteorological satellite receiver parameters.

The French Delegation commented that, concerning such calculations, particularly in the band 1 700 - 1 710 MHz, it should be mentioned that the terrestrial system parameters given were those of transhorizon systems, so that longer coordination distances could be expected.

France also pointed out the complete absence of values in the table at the present time and suggested that the proposed values were better than none at all.

The United Kingdom and Australian Delegations agreed with the view expressed by the French delegate, but continued against accepting the proposed values without further CCIR study.

The consensus of the meeting was that the proposed values should not be adopted by this Conference.

Following a further discussion, the meeting expressed the feeling that it is not necessary for this Conference to draw the attention of the CCIR to the need for further study, believing that the CCIR is already aware of this matter.

The Sub-Working Group, therefore, recommends to the Plenary Working Group that no further action be taken by this Conference in respect of these proposed protection criteria for the meteorological-satellite service. The work of this Sub-Working Group is now completed.

R.M. TAYLOR
Chairman of Sub-Working Group 1 of the
Working Group of the Plenary

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 210-E
7 September 1988
Original: English

Source: DT/30

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF
THE PLENARY TO THE CHAIRMAN OF COMMITTEE 6

LIST OF TECHNICAL ISSUES RELATING TO APPENDICES 3 AND/OR 4

At the request of the Working Group of the Plenary, I would like to transmit for your information, the following list of technical issues relating to Appendices 3 and 4 which have been identified and will be discussed in our Group while awaiting any guidance from your Committee:

- 1) Power density averaging bandwidth (USA/56)
- 2) Steerable beams (AUS/49, IFRB/18)
- 3) Inclination limits of satellites with geostationary orbit assignments (CCIR/3, USA/56, DT/26)
- 4) Satellite networks and typical earth stations (USA/56)
- 5) Standardized projection for the footprints of satellite antenna beams (F/22, LUX/127)
- 6) Objective values for C/N (F/23)
- 7) Diameter of earth station antennas if radiation patterns are not available (F/22, F/23)
- 8) Relationship between frequency bands of the up-links and down-links (F/22, F/23)

R. RYVOLA
Chairman of the Working Group of the Plenary

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INTERNATIONAL TELECOMMUNICATION UNION

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Document 211(Rev.1)-E

8 September 1988

Original: English

SUB-WORKING GROUP 5-A-1

BSS FEEDER-LINK PLANNING

RESULTS OF FIRST PLANNING EXERCISE

1. The results of the first planning exercise 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 203.
2. All special requirements submitted to the Conference are listed in Annex 2. Some of them have been taken into account in this first planning exercise. These are supported by appropriate notes, the number of which can also be found in the respective part of Annex 1 (column 12). Special requirements that have not yet been taken into account in this first planning exercise are also marked.

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

Annexes: 2

ANNEX 1

Results of the first planning exercise

LIST OF REQUIREMENTS AND MARGINS IN THE PLAN

The attached list (pages 4-119 and 120-156) is presented in the order of orbital positions listing at each orbital position the requirements in alphabetical order.

The column designation of this list is as follows:

<u>Column</u>	<u>Description</u>
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	Beam ellipse orientation (degrees clockwise from north) - down-link/feeder link
9	Transmit antenna code - satellite/earth station (see Document 189)
10	Receive antenna code - satellite/earth station (see Document 189)
11	Circular polarization ("1" right, "2" left) - down-link/feeder link
12	Notes referring to special requirements
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 <u>down-link</u> e.i.r.p., followed by the <u>down-link</u> margins (taken from the 1977 Plan), followed by the overall equivalent protection margin, corresponding to each test point

<u>Column</u>	<u>Description</u>
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 <u>up-link</u> e.i.r.p., followed by the <u>up-link</u> margins for each test point

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PAG. 1

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

													12
		1	2	3	4	5	6	7	8	9	10	11	
	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	A881	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	0.8	5.5	4.4	6.6	5.1	4.2	3.6	-0.5	-0.1	1.6
16	06	63.3	0.6	0.7	5.5	4.1	6.6	4.7	4.2	3.3	-0.5	-0.2	1.7
16	10	63.3	0.6	0.9	5.5	4.6	6.7	5.3	4.2	3.7	-0.5	-0.1	1.7
17			118.0		128.2		112.3		90.7		86.5		94.6
18			48.0		43.3		22.9		26.5		32.6		46.5
19			F		K		N		K		K		E
20			0		0		0		0		0		0
21	02	82.0	-1.3	-1.4	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	
21	06	82.0	-2.1	-2.2	-1.4	-1.4	-1.4	-1.3	-1.3	-1.4	-1.4	-1.4	
21	10	82.0	-0.9	-1.0	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	

													12
		1	2	3	4	5	6	7	8	9	10	11	
	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	A881	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	5.4	11.3	9.8	12.0	10.1	10.6	9.4	2.5	3.1	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	3.3	4.0	4.0	3.7			

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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	31.5	3.38	1.45	162	A883	A884	2		
		101.9		33.5	5.10	2.80	143	A881	A882	1		
13			1		2			3		4		5
14			90.0		99.0			92.4		89.0		86.0
15			36.3		30.0			26.9		27.5		28.0
16	01	62.9	5.6	5.4	1.8	2.3	0.7	1.3	2.5	2.9	1.8	2.3
16	05	62.9	2.6	2.6	0.7	1.0	0.0	0.4	0.3	0.7	-0.5	0.0
16	09	63.0	2.6	2.4	0.6	0.8	0.0	0.3	0.4	0.7	-0.4	0.0
17			118.0		128.2			112.3		90.7		86.5
18			48.0		43.3			22.9		26.5		32.6
19			F		K			N		K		E
20			0		0			0		0		0
21	01	82.0	1.8	1.7	2.5	2.5	2.5	2.6	2.6	2.5		
21	05	82.0	-0.5	-0.6	0.2	0.2	0.2	0.3	0.3	0.2		
21	09	82.0	-1.3	-1.3	-0.5	-0.6	-0.6	-0.5	-0.5	-0.6		

	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	A881	A882	1		
13			1		2			3		4		5
14			90.0		99.0			92.4		89.0		86.0
15			36.3		30.0			26.9		27.5		28.0
16	13	63.0	2.7	2.7	0.9	1.2	0.0	0.5	0.4	0.8	-0.4	0.1
17			90.0		99.0			92.4		89.0		86.0
18			36.3		30.0			26.9		27.5		28.0
19			K		K			K		K		C
20			0		0			0		0		0
21	13	82.0	-0.2	0.5	0.6	0.9	0.9	0.6	0.6	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
	CHN15600	CHN	62.0 101.9	97.8 33.5	36.3 5.10	2.56 1.58	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	3.0		5.9	4.7	5.4	4.4	0.8	1.0	1.8	1.8
16	08	63.5	3.4	2.9		5.9	4.6	6.2	4.7	4.2	3.5	3.1	2.7
16	12	63.6	5.9	5.0		7.6	6.0	7.1	5.7	3.2	3.1	2.4	2.4
17			118.0	128.2	112.3	90.7	86.5		94.6				
18			48.0	43.3	22.9	26.5	32.6		46.5				
19			F	K	N	K	K		E				
20			0	0	0	0	0		0				
21	04	82.0	-1.1	-1.2	-0.4	-0.4	-0.4	-0.3	-0.4				
21	08	82.0	-1.6	-1.6	-0.8	-0.9	-0.8	-0.8	-0.8				
21	12	82.0	-0.6	-0.6	0.2	0.1	0.2	0.2	0.2				

		1	2	3	4	5	6	7	8	9	10	11	12
	CHN15700	CHN	62.0 101.9	102.3 33.5	27.8 5.10	2.56 1.58	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	3.2	6.1	4.9	2.6	2.5
16	07	65.1	0.9	1.2		3.0	2.9	3.5	3.3	6.1	5.1	2.5	2.5
16	11	65.2	1.1	1.4		3.1	3.1	3.6	3.5	5.7	5.0	2.5	2.6
17			118.0	128.2	112.3	90.7	86.5		94.6				
18			48.0	43.3	22.9	26.5	32.6		46.5				
19			F	K	N	K	K		E				
20			0	0	0	0	0		0				
21	03	82.0	-1.1	-1.2	-0.4	-0.4	-0.4	-0.3	-0.4				
21	07	82.0	-0.6	-0.6	0.2	0.1	0.2	0.2	0.1				
21	11	82.0	0.1	0.0	0.8	0.8	0.9	0.9	0.8				

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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	38.0	2.60	1.74	124	A883	A884	1	
		106.0		32.5	5.00	3.70	150	A881	A882	2	
13			1		2		3		4		6
14			105.8		105.2		111.8		119.8		119.8
15			32.9		41.6		45.0		46.8		40.0
16	15	64.9	5.5	6.3	11.0	11.2	12.0	12.0	7.8	8.4	3.1
16	19	64.9	-0.9	-0.3	-0.3	0.3	0.3	0.8	-0.6	0.0	-1.0
16	23	65.0	-0.8	-0.3	-0.6	-0.1	-0.5	0.0	-1.6	-1.0	-0.5
17			118.0		125.3		114.9		97.5		102.8
18			48.0		43.6		22.2		44.9		20.4
19			F		K		N		E		N
20			0		0		0		0		0
21	01	82.0	8.8	8.8	9.3	9.4	9.2	9.2	9.4	9.4	
21	05	82.0	0.5	0.5	1.1	1.2	0.9	0.9	1.1	1.1	
21	09	82.0	-0.2	-0.2	0.3	0.4	0.2	0.2	0.4	0.4	

1	2	3	4	5	6	7	8	9	10	11	12
CHN15900	CHN	80.0	109.4	27.3	2.14	1.72	107	A883	A884	2	
		106.0		32.5	5.00	3.70	150	A881	A882	1	
13			1		2		3		4		5
14			105.6		103.6		109.5		113.8		115.3
15			23.2		27.1		33.1		25.4		31.5
16	18	64.5	1.4	1.7	-0.3	0.2	-0.9	-0.4	1.4	1.7	0.5
16	20	64.6	1.5	1.7	-0.3	0.2	-1.9	-1.3	1.0	1.3	-1.1
16	22	64.6	1.6	1.8	0.2	0.6	-0.8	-0.3	1.7	1.9	-0.1
17			118.0		125.3		114.9		90.7		97.5
18			48.0		43.6		22.2		32.0		44.9
19			F		K		N		K		E
20			0		0		0		0		0
21	04	82.0	-0.3	-0.3	0.2	0.3	0.1	0.3			
21	06	82.0	-0.5	-0.5	0.0	0.1	-0.1	0.1			
21	08	82.0	-0.4	-0.4	0.1	0.2	0.0	0.2			

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
	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	A881	A882	1				
13														
14														
15														
16	03	65.1	-0.5	0.1	6.3	5.7	6.7	5.9	2.0	2.3	1.2	1.6	3.3	3.4
16	07	65.1	0.3	0.8	7.3	6.1	7.7	6.4	2.5	2.7	1.6	1.9	4.2	4.0
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														
18														
19														
20														
21	03	82.0	0.7	1.2	1.2	1.0	1.0	0.8	1.3					
21	07	82.0	0.2	0.6	0.6	0.4	0.4	0.2	0.7					
21	11	82.0	0.1	0.6	0.5	0.3	0.1	0.6						

		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	A881	A882	2				
13														
14														
15														
16	02	64.5	4.9	4.8	1.8	2.2	3.1	3.3	6.9	6.3	5.3	5.1	0.7	1.2
16	04	64.5	4.6	4.5	0.5	1.0	2.8	3.0	5.4	5.1	2.9	3.1	0.0	0.6
16	06	64.5	4.8	4.6	2.1	2.4	3.0	3.2	6.8	6.0	5.4	5.1	0.7	1.2
17														
18														
19														
20														
21	02	82.0	1.3	1.8	1.7	1.5	1.3	1.8						
21	04	82.0	0.9	1.4	1.4	1.1	0.9	1.4						
21	06	82.0	0.8	1.3	1.3	1.1	0.9	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
	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	A881	A882	1				
13				1		2		3		4		5		6
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	4.9	3.2	3.7	4.1	4.5	0.0	0.8	6.0	6.1	0.9	1.6
16	05	64.0	3.9	3.9	2.6	2.9	2.3	2.6	-1.3	-0.6	4.4	4.3	-0.9	-0.2
16	09	64.0	4.6	4.2	3.1	3.0	3.3	3.2	-0.3	0.2	5.9	5.1	-0.2	0.3
17			124.3	117.0	93.2	98.0	114.4		106.0					
18			45.4	23.1	33.4	46.9	51.1		20.7					
19			F	N	K	E	E		N					
20			0	0	0	0	0		0					
21	01	82.0	3.5	4.0	4.0	3.8	3.5		4.0					
21	05	82.0	0.9	1.4	1.4	1.2	0.9		1.4					
21	09	82.0	-0.3	0.2	0.2	0.0	-0.3		0.3					

		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	A881	A882	2				
13				1		2		3		4		5		6
14			119.1		116.4		121.3		122.4		121.5		118.7	
15			35.2		34.8		34.1		34.1		31.0		30.6	
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	82.0	3.0	3.5	3.0	3.3	2.8		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
	CHN17100	CHN	92.0	117.2	32.0	1.20	0.74	126	A883	A884	1	
13												
14												
15												
16	10	64.2	2.9	3.4	4.0	4.4	4.9	5.2	4.2	4.6	3.9	4.3
17												
18												
19												
20												
21	10	82.0	3.3	3.3	3.8	3.3	3.2	3.6				

	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	
13												
14												
15												
16	14	64.3	2.7	3.3	2.3	3.0	2.4	3.1	3.9	4.4	3.3	3.9
17												
18												
19												
20												
21	14	82.0	4.9	5.4	4.8	4.9	4.3	4.3				

	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	
13												
14												
15												
16	08	64.0	3.6	3.7	3.8	3.9	3.9	3.9	4.3	4.3	3.8	3.9
17												
18												
19												
20												
21	08	82.0	1.3	1.0	1.3	2.1	1.4	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
	CHN17600	CHN	80.0	113.7	33.9	1.20	0.80	141	A883	A884	1		
13													
14													
15													
16	21	64.3	-0.1	0.7	0.3	1.1	-1.1	-0.2	-0.2	0.6	-1.2	-0.3	0.3 1.1
17													
18													
19													
20													
21	07	82.0	4.5	5.7	4.8	5.8	4.6	5.7					

		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		
13													
14													
15													
16	24	64.7	-0.6	0.3	-0.2	0.7	1.2	2.0	0.8	1.6	1.4	2.2	1.2 2.0
17													
18													
19													
20													
21	10	82.0	5.5	5.6	6.2	5.9	7.0	6.2					

		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		
13													
14													
15													
16	13	63.6	6.6	5.7	5.4	4.9	5.0	4.6	3.6	3.6	4.8	4.5	4.9 4.6
17													
18													
19													
20													
21	13	82.0	0.4	0.3	0.4	0.6	0.8	0.7	0.6	0.6	0.5		

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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
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	A882	2	
13											
14											
15											
16	17	64.2	-0.1	0.8	-0.2	0.7	-0.3	0.6	-1.3	-0.4	0.6 1.5 0.3 1.2
17											
18											
19											
20											
21	03	82.0	7.1	7.5	8.0	7.0	8.3	8.3			

	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	2		
13			1	2	3	4	5				6	
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	4.0	3.4	4.4	7.4	8.4	3.0	4.0	9.6	10.6
16	26	63.5	2.6	3.6	3.0	4.0	6.6	7.6	2.6	3.6	7.8	8.8
16	30	63.6	2.5	3.5	2.9	3.9	6.5	7.5	2.5	3.5	7.6	8.6
16	34	63.6	2.5	3.5	3.0	4.0	6.5	7.5	2.5	3.5	7.6	8.6
16	38	63.7	2.5	3.5	2.9	3.9	6.5	7.5	2.5	3.5	7.6	8.6
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	33.9	32.6	34.0	34.5	33.6	32.8	34.8	34.2	32.3	34.2
21	12	82.0	34.0	32.8	34.2	34.6	33.7	33.0	35.0	34.4	32.5	34.3
21	02	82.0	31.4	30.1	31.5	32.0	31.1	30.3	32.3	31.7	29.8	31.7
21	06	82.0	33.7	32.5	33.9	34.3	33.4	32.7	34.7	34.0	32.2	34.0
21	10	82.0	33.8	32.6	34.0	34.4	33.5	32.8	34.7	34.1	32.2	34.1

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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
IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2			
		93.0	25.5	1.46	1.13	40	A881	A882	1				
13			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	1.6	4.3	3.3	1.7	1.5	0.4	0.5	-1.0	-0.7	-0.5 -0.3
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	-2.3	0.2	-1.0	-1.5	-1.8	-0.6					
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			
		75.9	33.4	1.52	1.08	33	A881	A882	2				
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	6.2	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	9.0	6.5	6.2	7.1	6.6	11.3	9.1	5.7 5.6
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	C	C	E						
20		0	0	0	0	0	0						
21	03	82.0	1.7	3.5	-1.6	-1.0	2.1	-0.8					
21	09	82.0	5.4	7.1	2.0	2.7	5.7	2.8					

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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
	IND03900	IND	56.0	72.7	11.2	1.26	0.60	107	A883	A884	1	
				72.7	11.2	1.26	0.60	107	A881	A882	2	
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	8.5		8.1	8.5		7.1	7.6	
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		7.7					

	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	
				73.0	25.0	1.82	1.48	58	A881	A882	1	
13					1		2		3		4	
14					67.8		69.5		73.5		78.2	
15					24.0		27.0		30.0		27.0	
16	04	63.7		8.8	7.1		4.0	3.9	-0.6	0.0	3.0	
16	12	63.8		4.7	5.3		0.5	1.3	-1.1	-0.2	4.1	4.7
17					67.8		69.5		73.5		78.2	
18					24.0		27.0		30.0		24.2	
19					E		E		K		K	
20					0		0		0		0	
21	04	82.0		0.5	1.0		1.1	1.1	1.6	0.8		
21	12	82.0		5.8	6.3		6.4	6.3	6.8	6.0		

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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
	IND04100	IND	56.0	78.4	16.0	2.08	1.38	35	A883	A884	2	
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	8.6	3.1	3.1	1.8	2.0	13.6	8.7	13.9	8.8
16	22	63.8	13.4	9.4	3.5	3.6	1.9	2.3	14.3	9.7	15.0	9.9
17			73.6		78.3		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		0.7		0.1		0.0		0.7		0.4
21	08	82.0		1.7		1.1		1.1		1.7		1.4

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

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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
IND04300	IND	56.0	77.8	11.1	1.36	1.28	172	A883	A884	1		
		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	6.7	5.9	6.4	5.0	5.6	3.9	4.6
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			
20			0		0		0		0			
21	07	82.0	-0.8	-1.1	-0.9	0.8	0.0					
21	01	82.0	6.2	5.9	6.2	7.9	7.0					

	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		
		79.5	22.3	2.19	1.42	146	A881	A882	2			
13			1		2		3		4		5	
14			74.1		75.2		78.2		81.5		84.3	
15			22.6		25.0		26.9		25.2		23.0	
16	01	63.4	7.2	6.9	5.6	5.7	0.9	1.6	1.7	2.3	2.5	3.0
16	09	63.5	5.7	4.8	4.4	3.9	0.3	0.7	0.7	1.0	0.6	0.9
17			74.1		75.2		78.2		81.5		84.3	
18			22.6		25.0		26.9		25.2		23.0	
19			K		K		K		N		N	
20			0		0		0		0		0	
21	01	82.0	2.8	4.0	3.3	3.6	3.1	3.2				
21	09	82.0	-0.6	0.6	-0.1	0.3	-0.3	-0.1				

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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
	IND04500	IND	56.0	76.2	19.5	1.58	1.58	21	A883	A884	2		
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

		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		
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

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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	
			93.3	11.1	1.92	0.60	96	A881	A882	2		
13				1	2	3	4					
14				93.8	94.2	93.8	92.2					
15				14.8	13.4	6.8	11.5					
16	03	63.5	6.1	6.7	7.5	8.0	10.3	10.4	10.0	10.2		
16	11	63.5	6.2	7.2	7.7	8.6	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			N	N	P	N						
20			0	0	0	0						
21	03	82.0	9.0	9.1	8.4	7.8						
21	11	82.0	18.7	18.8	18.1	17.4						

	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	
			86.2	25.0	1.56	0.90	120	A881	A882	1		
13				1	2	3	4					
14				83.3	83.8	88.6	89.8					
15				25.2	27.4	28.2	26.7					
16	08	63.7	0.4	-0.4	0.1	-0.6	-2.7	-2.7	-2.8	-2.7	1.2	0.2
16	16	65.5	4.0	2.4	3.7	2.2	-4.4	-3.9	-6.2	-5.5	-1.2	-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	-2.6	-1.3	-4.4	-5.6	-2.6	-1.9				
21	02	82.0	-1.2	0.0	-3.0	-4.2	-1.2	-0.5				

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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
		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		
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	12.3	12.2	12.9	10.7 11.5
16	07	62.8	7.3	8.3	6.7	7.7	7.7	8.7	11.6	12.6	12.2	13.2	10.7 11.7
16	11	62.9	7.3	8.3	6.8	7.8	7.6	8.6	11.7	12.7	12.5	13.5	11.1 12.1
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	15.2	14.5	15.0	14.1	15.9	15.1	14.7	15.1	15.3	15.3	
21	07	82.0	29.3	28.6	29.1	28.1	30.0	29.1	28.7	29.2	29.4	29.4	
21	11	82.0	29.3	28.5	29.0	28.1	29.9	29.1	28.7	29.1	29.3	29.3	

		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	0.60	117	A881	A882	1	
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	
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	I	K	G						
20			0	0	0	0	0						
21	11	82.0	28.7	30.4	29.0	30.3	30.9						
21	01	82.0	41.8	43.5	42.1	43.4	44.0						
21	05	82.0	41.8	43.5	42.1	43.4	44.0						
21	09	82.0	41.8	43.5	42.0	43.4	44.0						

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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
MRC20900	MRC	-25.0 -9.0	29.2 29.2	2.72 2.72	1.47 1.47	43 43	A883 A881	A884 A882	2 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 7.7	7.9 8.8	5.5 6.5	6.4 7.4	6.6 7.6	9.4 10.3				
16	25	63.3	5.8 6.8	5.8 6.8	3.8 4.8	7.6 8.5	7.5 8.4	8.8 9.7				
16	29	63.4	5.8 6.8	5.8 6.8	3.8 4.8	7.6 8.6	7.4 8.4	8.8 9.8				
16	33	63.4	5.8 6.8	5.8 6.8	3.8 4.8	7.6 8.6	7.4 8.4	8.8 9.8				
16	37	63.5	5.3 6.3	4.9 5.9	2.4 3.4	5.4 6.4	5.4 6.4	7.5 8.5				
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	19.8	20.7	20.1	22.1	22.5	22.1	20.2	20.8	22.1	17.4
21	11	82.0	19.7	20.6	20.0	22.0	22.4	22.0	20.1	20.7	22.0	17.3
21	01	82.0	35.0	35.9	35.4	37.4	37.8	37.3	35.5	36.0	37.4	32.7
21	05	82.0	35.0	35.9	35.4	37.4	37.8	37.3	35.5	36.0	37.4	32.7
21	09	82.0	35.0	35.9	35.4	37.4	37.8	37.3	35.5	36.0	37.4	32.7

	1	2	3	4	5	6	7	8	9	10	11	12
PNG13100	PNG	110.0 147.7	147.7 -6.3	-6.3 2.50	2.50 2.50	2.18 2.18	169 169	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	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	01	82.0	40.6	40.9	40.0	40.6	40.9					
21	05	82.0	40.5	40.8	39.9	40.6	40.8					
21	09	82.0	40.5	40.9	40.0	40.6	40.8					
21	13	82.0	39.9	40.2	39.3	40.0	40.2					

PLAN 2 07SEP88

ORB(2)

PAG. 18

MARGE DE 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	1			
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	03	82.0	43.3	43.4	44.2	43.2	44.2					
21	07	82.0	43.7	43.7	44.5	43.5	44.5					
21	11	82.0	44.8	44.9	45.6	44.6	45.6					

	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	0	A881	A882	1		
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	3.5	4.5	1.7	2.7	3.0	4.0	4.0	5.0		
16	05	61.8	2.4	3.4	0.9	1.9	2.1	3.1	3.0	4.0		
16	09	61.9	2.4	3.4	0.9	1.9	2.1	3.1	3.0	4.0		
16	13	62.0	2.5	3.5	1.0	2.0	2.1	3.1	3.0	4.0		
16	17	62.0	2.5	3.5	1.0	2.0	2.1	3.1	3.0	4.0		
17			51.1		52.3		50.8		50.7			
18			26.2		24.8		24.7		25.3			
19			C		C		A		A			
20			0		0		0		0			
21	01	82.0	44.9	43.6	46.0	47.0						
21	05	82.0	45.1	43.8	46.2	47.2						
21	09	82.0	42.9	41.6	44.1	45.1						
21	13	82.0	47.6	46.3	48.8	49.8						
21	03	82.0	15.4	14.1	16.5	17.5						

PLAN 2 07SEP88

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	
		SEN22200	SEN	-37.0 -14.4	-14.4 13.8	1.46 1.46	1.04 1.04	139 139	A883 A881	A884 A882	2 1			
13				1		2		3		4		5		6
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	2.7	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	7.6	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	19.3	18.1	18.6	17.0	18.5	18.5	18.1	18.8	17.4	17.1		
21	11	82.0	19.3	18.1	18.6	17.0	18.5	18.5	18.1	18.8	17.4	17.1		

		1	2	3	4	5	6	7	8	9	10	11	12	
		SNG15100	SNG	74.0 103.8	103.8 103.8	1.3 1.3	0.60 0.60	0.60 0.60	0 0	A883 A881	A884 A882	2 1		
13				1		2		3		4		5		6
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	40.7	40.7	38.7	34.5	35.4	33.6						
21	06	82.0	36.9	36.9	34.8	30.6	31.6	29.7						
21	10	82.0	39.3	39.3	37.3	33.1	34.0	32.2						
21	14	82.0	41.3	41.3	39.2	35.0	36.0	34.2						

MAIL. ADDRESS: MR. D. COZZENS / TEL. 5461 / BUR. VN601A CASE--01
#FILENAME : D:\$I01FL.LST.GE88MARI5
REQ. USER-ID : I01FL SPPOOL DATE : 88-09-08 SPPOOL TSN : 5879
DEVICE : L3 START TIME : 14:19:55 REQ. TSN : 5789
END TIME : 14:20:03

% SPS0340 SPOOLOUT ENDED

SPOOL 02.3

IIII 00 0 11 FFFFFFFF LL
IIII 0000 0 11 FFFFFFFF LL
II 00 00 11 1 FF LL
II 00 000 11 FF LL
II 00 0 00 11 FFFFFFFF LL
II 00 0 00 11 FFFFFFFF LL
II 000 00 11 FF LL
II 00 00 11 FF LL
IIII 0 0000 1111 FF LLLLLLLL
IIII 0 00 1111 FF LLLLLLLL

CC AA SSSS EEEEEEEE 00 0 11
CCCC CCC AAAA SS SS EEEEEEEE 0000 0 11
CC CC AA AA SS EE 00 00 11
CC AA AA SSSS EE 00 00 11
CC AA AA SS EEEEEEEE 00 00 11
CC CC AAAAAAAA SS EE 00 00 11
CCC CCC AA AA SS SS EE 00 00 11
CCCC AA AA SSSS EEEEEEEE 0 0000 1111
CC AA AA SS EEEEEEEE 0 00 1111

CC 0000 ZZZZZZZZ
CCCC 00 00 ZZZZZZZZ
CC CC 00 00 ZZ
CC 00 00 ZZ
CC CC 00 00 ZZ
CCC CCC 00 00 ZZ
CCCC 00 00 ZZZZZZZZ
CC 0000 ZZZZZZZZ

** USER IDENTITY - I01FL SPOOL TASK NUMBER - 5880 **
** ACCOUNT NUMBER - CASE--01 REQUESTING TASK NUMBER - 5789 **
** FILENAME - :D:\$I01FL.LST.GE88MAR21 **
** MAILING ADDRESS: **
** MR. D. COZZENS / TEL. 5461 / BUR. VN601A CASE--01 **
** SPOOL DATE - 88-09-08 PRINT STARTED AT - 14:20:17 **
**

SPPOOL 02.3

IIII	00	0	11	FFFFFF	LL
IIII	0000	0	11	FFFFFF	LL
II	00	00	11	FF	LL
II	00	000	11	FF	LL
II	00	00	11	FFFFFF	LL
II	00	00	11	FFFF	LL
II	0000	00	11	FF	LL
II	00	00	11	FF	LL
IIII	0 0000		1111	FF	LLLLLLL
IIII	0 00		1111	FF	LLLLLLL

CC	AA	SSSS	EEEEEEE	00	0	11
CCCC	AAAA	SS SS	EEEEEEE	0000	0	11
CCC CCC	AA AA	SS	EE	00	00	11
CC CC	AA AA	SS	EE	00	000	11
CC	AA AA	SSSS	EEEEEEE	-----	-----	11
CC	AA AA	SS	EEEEEEE	-----	-----	11
CC CC	AAAAAAA	SS	EE	000	00	11
CCC CCC	AA AA	SS SS	EE	00	00	11
CCCC	AA AA	SSSS	EEEEEEE	0 0000		1111
CC	AA AA	SS	EEEEEEE	0 00		1111

CC	0000	ZZZZZZZZ
CCCC	00 00	ZZZZZZZZ
CCC CCC	00 00	ZZ
CC CC	00 00	ZZ
CC	00 00	ZZ
CC CC	00 00	ZZ
CCC CCC	00 00	ZZ
CCCC	00 00	ZZZZZZZZ
CC	0000	ZZZZZZZZ

**
** USER IDENTITY - I01FL SPOOL TASK NUMBER - 5880 **
** ACCOUNT NUMBER - CASE--01 REQUESTING TASK NUMBER - 5789 **
** FILENAME - :D:\$I01FL.LST.GE88MAR21 **
** MAILING ADDRESS:
** MR. D. COZZENS / TEL. 5461 / BUR. VN601A CASE--01 **
** SPOOL DATE - 88-09-08 PRINT STARTED AT - 14:20:17 **
**

PLAN 3 07SEP88

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				
13			1		2		3		4				
14			-153.0		-154.7		-139.3		-134.5				
15			-23.0		-15.7		-9.0		-23.3				
16	04	63.6	24.4	25.4	17.5	18.5	21.8	22.8	28.0	29.0			
16	08	63.6	24.4	25.4	17.6	18.6	21.8	22.8	28.1	29.1			
16	12	63.6	24.0	25.0	17.5	18.5	21.8	22.8	28.1	29.1			
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	53.2	54.1	53.5	52.9							
21	08	84.0	53.2	54.1	53.5	52.9							
21	12	84.0	53.3	54.1	53.5	53.0							
21	16	84.0	99.0	99.0	99.0	99.0							

		1	2	3	4	5	6	7	8	9	10	11	12	
AND34100	F	-37.0	1.6	42.5	0.60	0.60	0	A883	A884	2				
		1.6	42.5	0.60	0.60	0	A887	A882	1					
13			1		2		3		4		5		6	
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	0.3	-0.4	0.3	-0.5	0.2	-0.4	0.3	-0.6	0.1	-0.4	0.3
16	08	61.5	-0.3	0.4	-0.4	0.3	-0.5	0.2	-0.4	0.3	-0.6	0.1	-0.4	0.3
16	12	61.6	-0.3	0.4	-0.4	0.3	-0.5	0.2	-0.4	0.3	-0.6	0.1	-0.4	0.3
16	16	61.6	-0.3	0.4	-0.4	0.3	-0.5	0.2	-0.4	0.3	-0.6	0.1	-0.4	0.3
16	20	61.7	-0.6	0.1	-0.7	0.0	-0.7	0.0	-0.7	0.0	-0.9	-0.2	-0.7	0.0
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	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4		
21	08	84.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4		
21	12	84.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4		
21	16	84.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4		
21	20	84.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4		

PLAN 3 07SEP88

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	2			
13			1		2		3		4		5	6		
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	0.0	0.3	-1.9	-1.3	-0.3	0.1	-3.3	-2.6	-2.7	-2.1	-0.9	-0.4
16	31	65.3	0.0	0.3	-1.9	-1.3	-0.3	0.1	-3.3	-2.6	-2.7	-2.1	-0.9	-0.4
16	35	65.3	0.0	0.3	-1.9	-1.3	-0.3	0.1	-3.3	-2.6	-2.7	-2.1	-0.9	-0.4
16	39	65.4	0.0	0.3	-1.9	-1.3	-0.3	0.1	-3.3	-2.6	-2.8	-2.2	-0.9	-0.4
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		K		K			
20			0		0		0		0		0			
21	27	84.0	0.3	-0.4	1.6	-1.1	0.7		2.7					
21	31	84.0	0.3	-0.4	1.6	-1.1	0.7		2.7					
21	35	84.0	0.2	-0.4	1.6	-1.1	0.7		2.6					
21	39	84.0	0.2	-0.4	1.6	-1.1	0.7		2.6					

	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	2			
13			1		2		3		4		5	6		
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	-1.8	-2.5	-1.8	-3.6	-2.8	-0.4	0.1	1.5	1.8	-1.1	-0.5
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			
20			0		0		0		0		0			
21	23	84.0	1.3	1.5	0.0	0.6	2.0		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
	GMB30200	GMB	-37.0	-15.1	13.4	0.79	0.60	4	A883	A884	2	
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	3.1	3.1	3.7	3.6	3.6	3.5	3.7	3.6	4.1	3.9
16	07	63.4	3.1	3.1	3.7	3.6	3.5	3.4	3.7	3.6	4.1	3.9
16	11	63.4	3.1	3.1	3.7	3.6	3.5	3.4	3.7	3.6	4.1	3.9
16	15	63.5	3.1	3.1	3.7	3.6	3.6	3.5	3.7	3.6	4.1	3.9
16	19	63.5	3.6	3.5	3.9	3.8	3.7	3.6	4.1	3.9	4.3	4.1
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	
20			0		0		0		0		0	
21	03	84.0	1.8	0.6	0.1	2.1	1.4	2.4				
21	07	84.0	1.8	0.6	0.1	2.1	1.4	2.4				
21	11	84.0	1.8	0.6	0.1	2.1	1.4	2.4				
21	15	84.0	1.8	0.6	0.1	2.1	1.4	2.4				
21	19	84.0	1.8	0.6	0.1	2.1	1.4	2.5				

	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	
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	7.9	10.5	7.2	3.8	3.5	4.5	4.0	10.8	7.3
16	05	63.5	7.3	4.7	4.5	3.3	2.4	1.9	2.5	2.0	6.8	4.5
16	09	63.5	7.2	4.8	4.5	3.3	2.4	1.9	2.5	2.0	6.8	4.6
16	13	63.6	7.2	4.8	4.5	3.3	2.4	1.9	2.5	2.0	6.8	4.6
16	17	63.7	7.3	4.8	4.5	3.3	2.4	1.9	2.5	2.0	6.9	4.6
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	84.0	0.2	-0.5	-0.8	-0.6	1.9					
21	05	84.0	-1.8	-2.5	-2.8	-2.5	0.0					
21	09	84.0	-1.6	-2.3	-2.6	-2.3	0.2					
21	13	84.0	-1.6	-2.3	-2.6	-2.3	0.2					
21	17	84.0	-1.6	-2.3	-2.6	-2.3	0.2					

PLAN 3 07SEP88

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 9.5	47.1 47.1	0.60 0.60	0.60 0.60	0	A883 A887	A884 A882	1 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 0.7	1.4 1.4	0.9 1.0	1.5 1.6	0.9 0.9	1.5 1.5	0.8 0.8	1.5 1.5		
16	07	62.5	0.7 0.7	1.4 1.4	1.0 1.0	1.6 1.6	1.0 1.0	1.6 1.6	0.8 0.8	1.5 1.5		
16	11	62.5	0.7 0.7	1.4 1.4	1.0 1.0	1.6 1.6	1.0 1.0	1.6 1.6	0.8 0.8	1.5 1.5		
16	15	62.6	0.7 0.7	1.4 1.4	1.0 1.0	1.6 1.6	1.0 1.0	1.6 1.6	0.8 0.9	1.5 1.5		
16	19	62.6	0.7 0.7	1.4 1.4	1.0 1.0	1.6 1.6	1.0 1.0	1.6 1.6	0.9 0.9	1.5 1.5		
17			9.5									
18			47.1									
19			H									
20			0									
21	03	84.0	2.6									
21	07	84.0	2.6									
21	11	84.0	2.6									
21	15	84.0	2.6									
21	19	84.0	2.6									

	1	2	3	4	5	6	7	8	9	10	11	12
MC011600	MCO	-37.0	7.4 7.4	43.7 43.7	0.60 0.60	0.60 0.60	0	A883 A887	A884 A882	1 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	-1.2 -0.4	-2.1 -1.5	-1.2 -0.6	-9.5 -8.7	-8.5 -7.7	-2.8 -2.6	-1.9 -1.7	-4.2 -3.9	-3.3 -3.0
16	25	62.5	-1.3 -1.2	-0.4 -0.4	-1.5 -1.5	-0.6 -0.7	-8.7 -8.5	-7.7 -7.5	-2.6 -2.6	-1.7 -1.8	-4.0 -4.0	-3.8 -3.1
16	29	62.5	-1.2 -1.2	-0.4 -0.4	-1.5 -1.5	-0.7 -0.7	-8.5 -8.6	-7.5 -7.6	-2.6 -2.6	-1.8 -1.8	-4.0 -4.0	-3.9 -3.1
16	33	62.6	-1.2 -1.2	-0.4 -0.4	-1.5 -1.5	-0.7 -0.7	-8.6 -8.8	-7.6 -7.8	-2.6 -2.6	-1.8 -1.8	-4.0 -4.0	-3.9 -3.1
16	37	62.6	-1.3 -1.3	-0.5 -0.5	-1.5 -1.5	-0.7 -0.7	-8.8 -8.8	-7.8 -7.8	-2.6 -2.6	-1.8 -1.8	-4.0 -4.0	-3.9 -3.1
17			7.4									
18			43.7									
19			L									
20			0									
21	21	84.0	3.7									
21	25	84.0	4.9									
21	29	84.0	2.8									
21	33	84.0	2.9									
21	37	84.0	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
	MLI32700	MLI	-37.0	-2.0	19.0	2.66	1.26	127	A883	A884	1		
13			1		2		3		4		5		
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	11.4	4.1	9.7	3.8	8.5	3.5	11.4	4.1	10.6	4.0	
16	06	63.2	11.4	4.1	9.6	3.8	8.4	3.5	11.3	4.1	10.6	4.0	
16	10	63.3	11.4	4.1	9.6	3.8	8.4	3.5	11.3	4.1	10.6	4.0	
16	14	63.4	11.4	4.1	9.7	3.8	8.5	3.5	11.3	4.1	10.6	4.0	
16	18	63.4	11.5	4.1	9.6	3.8	8.5	3.5	11.4	4.1	10.6	4.0	
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	84.0	-1.7	-5.2	-3.4		-3.0		-4.4				
21	06	84.0	-1.7	-5.2	-3.4		-3.0		-4.4				
21	10	84.0	-1.7	-5.2	-3.4		-3.0		-4.4				
21	14	84.0	-1.7	-5.2	-3.4		-3.0		-4.4				
21	18	84.0	-1.7	-5.2	-3.4		-3.0		-4.4				

		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		
13			1		2		3		4		5		6
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	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.7	2.8	4.3
16	08	63.8	3.0	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.6	2.7	4.2
16	12	63.8	3.0	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.6	2.7	4.2
16	16	63.9	3.0	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.6	2.7	4.2
16	20	63.9	2.0	1.2	2.7	1.7	5.4	3.1	2.6	1.6	3.7	2.2	3.5
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		
20			0		0		0		0		0		
21	04	84.0	-5.0	-4.1	-3.7		-3.2		-2.5		-4.2		
21	08	84.0	-5.0	-4.1	-3.7		-3.2		-2.5		-4.2		
21	12	84.0	-5.0	-4.1	-3.7		-3.2		-2.5		-4.2		
21	16	84.0	-5.0	-4.1	-3.7		-3.2		-2.5		-4.2		
21	20	84.0	-4.1	-3.1	-2.8		-2.3		-1.6		-3.3		

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
	MTN22300	MTN	-37.0	-12.2	18.5	2.62	1.87	150	A883	A884	1		
13			1	2	3	4	5	6	7	8	9	10	11
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	3.5	8.1	3.6	7.7	3.5	0.1	-0.4	3.8	1.9	5.6 2.8
16	26	62.9	7.5	3.5	7.9	3.7	7.8	3.6	0.2	-0.3	3.8	2.0	5.6 2.8
16	30	62.9	7.5	3.2	7.9	3.3	7.8	3.3	0.2	-0.4	3.8	1.7	5.6 2.5
16	34	63.0	7.5	3.3	7.9	3.4	7.8	3.3	0.2	-0.4	3.8	1.8	5.6 2.6
16	38	63.0	4.0	1.9	3.6	1.7	5.2	2.4	0.1	-0.4	3.8	1.8	5.5 2.6
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	84.0	-4.9	-4.2	-4.6	-3.6	-3.8						
21	26	84.0	-4.8	-4.1	-4.5	-3.5	-3.7						
21	30	84.0	-5.3	-4.6	-4.9	-3.9	-4.2						
21	34	84.0	-5.2	-4.4	-4.8	-3.8	-4.1						
21	38	84.0	-5.2	-4.5	-4.9	-3.9	-4.1						

		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		
13			1	2	3	4							
14			-5.6	-12.0	-8.4	-4.5							
15			20.0	23.4	27.2	25.0							
16	24	63.0	3.4	2.3	7.5	4.3	5.9	3.6	5.9	3.6			
16	28	63.0	3.5	2.3	7.3	4.2	5.6	3.4	5.8	3.5			
16	32	63.1	3.5	2.5	7.3	4.4	5.6	3.6	5.8	3.7			
16	36	63.1	3.5	2.5	7.3	4.4	5.6	3.6	5.8	3.7			
16	40	63.2	4.3	4.0	11.6	8.0	8.6	6.7	7.1	5.9			
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	84.0	-3.4	-3.5	-3.6	-3.3							
21	28	84.0	-3.5	-3.5	-3.7	-3.4							
21	32	84.0	-3.1	-3.1	-3.3	-3.0							
21	36	84.0	-3.1	-3.1	-3.3	-3.0							
21	40	84.0	0.0	0.0	-0.2	0.1							

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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		
13			1		2		3		4		5	
14			-16.5		-15.0		-12.7		-12.0		-16.3	
15			16.0		16.3		14.8		12.5		12.7	
16	29	63.7	2.7	2.2	2.4	2.0	3.2	2.6	2.8	2.3	5.2	3.9
16	33	63.8	3.2	2.6	3.0	2.5	5.0	3.8	5.0	3.8	6.6	4.6
16	37	63.9	3.2	2.6	3.0	2.5	5.0	3.8	5.0	3.8	6.6	4.6
17			-13.4		-16.1		-16.1		-16.2		-16.2	
18			13.5		15.4		14.1		12.4		14.4	
19			K		K		K		K		N	
20			0		0		0		0		0	
21	29	84.0	0.0	-1.2	-0.7	-2.3	-0.8	-0.8	-0.8	-1.3	-0.6	-1.9
21	33	84.0	0.0	-1.2	-0.7	-2.3	-0.8	-0.8	-0.8	-1.3	-0.6	-1.9
21	37	84.0	0.0	-1.2	-0.7	-2.3	-0.8	-0.8	-0.8	-1.3	-0.6	-1.9

	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		
13			1		2							
14			12.3		12.0							
15			43.5		43.0							
16	01	62.4	0.7	1.2	0.3	0.9						
16	05	62.5	0.3	0.8	0.0	0.5						
16	09	62.5	0.3	0.8	0.0	0.5						
16	13	62.6	0.3	0.8	0.0	0.5						
16	17	62.7	0.3	0.8	0.0	0.5						
17			12.3		12.0							
18			43.5		43.0							
19			K		K							
20			0		0							
21	01	84.0	2.3	1.0								
21	05	84.0	1.3	0.0								
21	09	84.0	1.3	0.0								
21	13	84.0	1.3	0.0								
21	17	84.0	1.3	0.0								

PLAN 3 07SEP88

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		
		-23.4	36.1	2.56	0.70	158	A887	A882	A882	2		
13			1		2		3		4		5	
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		-28.5		-16.9			
18		37.0	39.3	38.5	38.5		38.5		32.5			
19		F	F	F	F		H					
20		0	0	0	0		0					
21	24	84.0	4.3	1.5	3.2	3.0	1.4					
21	28	84.0	4.3	1.5	3.2	3.0	1.4					
21	32	84.0	4.3	1.5	3.2	3.0	1.4					
21	36	84.0	4.3	1.5	3.2	3.0	1.4					
21	40	84.0	7.0	4.2	5.9	5.6	4.1					

	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	A882	2		
13			1		2		3		4		5	
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	0.7	4.6	3.4	3.8	2.9	4.6	3.4	2.3	1.9
16	25	64.0	2.4	1.9	7.1	4.6	5.8	4.0	7.1	4.6	3.8	2.8
16	29	64.1	2.4	1.9	7.1	4.6	5.8	4.0	7.1	4.6	3.8	2.8
16	33	64.1	2.4	1.9	7.1	4.6	5.8	4.0	7.1	4.6	3.8	2.8
16	37	64.2	2.4	1.9	7.1	4.6	5.8	4.0	7.1	4.6	3.8	2.8
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	-2.4	0.8	-2.1		-2.2		-2.6			
21	25	84.0	-2.6	0.6	-2.3		-2.4		-2.8			
21	29	84.0	-2.6	0.6	-2.4		-2.4		-2.8			
21	33	84.0	-2.6	0.6	-2.4		-2.4		-2.8			
21	37	84.0	-2.6	0.6	-2.4		-2.4		-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
	CPV30100	CPV	-31.0 -24.0	-24.0 16.0	16.0 0.86	0.70 0.70	144 144	A883 A887	A884 A882	2 1		
13			1		2		3		4		5	6
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	4.5	4.3	4.2	5.7	5.3	4.9	4.7	5.3	5.0
16	08	62.2	4.6	4.5	4.3	4.2	5.7	5.3	5.0	4.8	5.3	5.0
16	12	62.3	4.6	4.5	4.3	4.2	5.7	5.3	5.0	4.8	5.3	5.0
16	16	62.4	4.6	4.5	4.3	4.2	5.7	5.3	5.0	4.8	5.3	5.0
16	20	62.4	3.9	4.0	3.9	4.0	5.3	5.1	4.5	4.5	4.9	4.8
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	E	E		N	
20			0	0	0	0	0	0	0		0	
21	04	84.0	1.7	0.8	2.9	2.0	2.5	3.1				
21	08	84.0	1.7	0.8	2.9	2.0	2.5	3.1				
21	12	84.0	1.7	0.8	2.9	2.0	2.5	3.1				
21	16	84.0	1.7	0.8	2.9	2.0	2.5	3.1				
21	20	84.0	2.1	1.2	3.4	2.5	2.9	3.5				

	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 0.60	5	A883 A887	A884 A882	2 1	
13			1		2		3		4		5	6
14			-18.0		-13.9		-13.5		-15.4		-16.2	-18.1
15			28.7		28.0		29.2		28.1		28.4	27.7
16	23	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	27	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	31	62.9	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	35	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	39	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.2	-3.4	-3.2	-2.4
17			-18.0		-13.9		-15.4		-16.2		-18.1	-13.5
18			28.7		28.0		28.1		28.4		27.7	29.2
19			E	E	E	E	E	E	E		E	
20			0	0	0	0	0	0	0		0	
21	23	84.0	1.1	1.2	1.9	2.8	1.3	1.2				
21	27	84.0	1.1	1.2	1.9	2.8	1.3	1.2				
21	31	84.0	1.1	1.2	1.9	2.8	1.3	1.2				
21	35	84.0	1.1	1.2	1.9	2.8	1.3	1.2				
21	39	84.0	1.1	1.2	1.9	2.7	1.3	1.2				

PLAN 3 07SEP88

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
	CTI23700	CTI	-31.0 -5.8	-5.6 7.4	7.5 1.55	1.60 1.43	1.22 162	108 A883	A884 A887	A882 1	2	
13												
14												
15												
16	22	63.7	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5 -0.5	-0.2 -0.2
16	26	63.7	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5 -0.5	-0.2 -0.2
16	30	63.8	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5 -0.5	-0.2 -0.2
16	34	63.9	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5 -0.5	-0.2 -0.2
16	38	63.9	5.2	4.0	3.3	2.8	-0.1	0.1	0.0	0.2	-0.5 -0.5	-0.2 -0.2
17												
18												
19												
20												
21	22	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	0.1	-2.0	-0.5	-1.7
21	26	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	0.1	-2.0	-0.5	-1.7
21	30	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	0.1	-2.0	-0.5	-1.7
21	34	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	0.1	-2.0	-0.5	-1.7
21	38	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	0.1	-2.0	-0.5	-1.7

	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	A884 A887	A882 1	2	
13												
14												
15												
16	23	63.9	-5.1 -3.5	-4.2 -2.9	-5.3 -4.8	-4.4 -4.1	-7.3 -7.3	-6.4 -6.5	-3.0 -3.0	-2.2 -2.4	-1.5 -1.3	-0.8 -0.9
16	27	64.0	-3.5 -3.5	-2.9 -2.9	-4.8 -4.8	-4.1 -4.1	-7.3 -7.3	-6.5 -6.5	-3.0 -3.0	-2.4 -2.4	-1.3 -1.3	-0.9 -0.9
16	31	64.0	-3.5 -3.5	-2.9 -2.9	-4.8 -4.8	-4.1 -4.1	-7.3 -7.3	-6.5 -6.5	-3.0 -3.0	-2.4 -2.4	-1.3 -1.3	-0.9 -0.9
16	35	64.1	-3.5 -3.5	-2.9 -2.9	-4.8 -4.8	-4.1 -4.1	-7.3 -7.3	-6.5 -6.5	-3.0 -3.0	-2.4 -2.4	-1.3 -1.4	-0.9 -1.0
16	39	64.2	-3.5 -3.5	-2.9 -2.9	-4.8 -4.8	-4.1 -4.1	-7.3 -7.3	-6.5 -6.5	-3.0 -3.0	-2.4 -2.4	-1.4 -1.4	-2.7 -2.7
17												
18												
19												
20												
21	01	84.0	0.5	0.8	0.8	0.8	0.8	3.0	1.3			
21	05	84.0	-1.8	-1.4	-1.5	-1.5	0.7	0.7	-0.9			
21	09	84.0	-1.8	-1.4	-1.5	-1.5	0.7	0.7	-0.9			
21	13	84.0	-1.8	-1.4	-1.5	-1.5	0.7	0.7	-0.9			
21	17	84.0	-1.8	-1.4	-1.5	-1.5	0.7	0.7	-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
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	
13			1		2		3		4		5	6
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	2.2	3.4	2.5	3.8	2.8	3.7	2.7	7.5	4.7
16	08	65.1	3.0	2.2	3.4	2.5	3.8	2.8	3.7	2.7	7.5	4.7
16	12	65.1	2.8	2.1	3.4	2.5	3.2	2.4	3.7	2.7	7.5	4.7
16	16	65.2	2.8	2.1	3.4	2.5	3.2	2.4	3.7	2.7	7.6	4.7
16	20	65.2	2.6	1.9	3.5	2.5	3.0	2.2	3.9	2.8	7.0	4.4
17			-1.3		-6.9		-7.3		-5.7		-2.1	
18			60.3		57.8		55.0		50.1		49.3	
19			G	G	H	F	F	E	E	E	F	H
20			0	0	0	0	0	0	0	0	0	0
21	04	84.0	-2.6	-1.9	-1.7	-2.6	-1.5	-2.8	-3.0	-1.5	0.0	-0.1
21	08	84.0	-2.6	-1.9	-1.7	-2.6	-1.5	-2.8	-3.0	-1.5	0.0	-0.1
21	12	84.0	-2.6	-1.9	-1.7	-2.6	-1.5	-2.8	-3.0	-1.5	0.0	-0.1
21	16	84.0	-2.6	-1.9	-1.7	-2.6	-1.5	-2.8	-3.0	-1.5	0.0	-0.1
21	20	84.0	-2.6	-2.0	-1.7	-2.6	-1.6	-2.8	-3.1	-1.5	-0.1	-0.1

	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		
13			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	2.2	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									

PLAN 3 07SEP88

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
	ISL04900	ISL	-31.0	-19.0	64.9	1.00	0.60	177	A883	A884	2		
13			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	8.4	5.4	9.3	5.7	7.4	5.0	9.6	5.8	9.2	5.7	8.1
16	25	65.9	9.3	6.4	10.5	6.9	8.9	6.2	10.7	6.9	10.1	6.7	9.0
16	29	65.9	9.3	6.4	10.5	6.9	8.9	6.2	10.7	6.9	10.1	6.7	9.0
16	33	66.0	9.3	6.4	10.5	6.9	9.0	6.3	10.7	6.9	10.1	6.7	9.0
16	37	66.0	9.3	6.4	10.4	6.8	8.8	6.2	10.7	6.9	10.1	6.7	9.0
17			-23.0		-16.0		-13.5		-18.8		-22.7		-27.3
18			66.5		66.5		65.1		63.4		63.8		65.5
19			A		A		G		A		A		A
20			0		0		0		0		0		0
21	21	84.0	1.2	2.6	0.9	2.8	2.2						
21	25	84.0	2.3	3.7	2.1	3.9	3.3						
21	29	84.0	2.3	3.7	2.1	3.9	3.3						
21	33	84.0	2.3	3.7	2.1	3.9	3.3						
21	37	84.0	2.3	3.7	2.1	3.9	3.3						

		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		
13			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	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0	6.8
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
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
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
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
17			-7.3		-6.0		-10.3		-9.8		-6.2		-5.5
18			55.4		53.3		54.3		51.3		52.2		54.3
19			H		H		H		H		H		F
20			0		0		0		0		0		0
21	02	84.0	0.5	1.8	0.8	0.4	1.0	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	1.0	2.6	1.9		3.2
21	10	84.0	0.5	1.8	0.8	0.4	1.0	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	1.0	2.6	1.9		3.2
21	18	84.0	0.6	1.9	0.9	0.5	1.1	1.1	1.1	2.8	2.1		3.3

PLAN 3 07SEP88

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
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		
13			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	3.8	5.8	4.9	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	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
16	15	63.4	3.8	3.5	4.3	3.8	5.8	4.9	5.4	4.6	5.4	4.6
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	0.3	0.8	-0.1	-0.1	-0.5	-0.5	-0.7		
21	07	84.0	0.7	0.3	0.8	-0.1	-0.1	-0.5	-0.5	-0.7		
21	11	84.0	0.7	0.3	0.8	-0.1	-0.1	-0.5	-0.5	-0.7		
21	15	84.0	0.7	0.3	0.8	-0.1	-0.1	-0.5	-0.5	-0.7		

	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	-2.8	-3.9	-3.1	-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	-0.5	-1.3	0.7							
21	07	84.0	-0.5	-1.3	0.7							
21	11	84.0	-0.5	-1.3	0.7							
21	15	84.0	-0.5	-1.3	0.7							
21	19	84.0	2.4	1.6	3.6							

PLAN 3 07SEP88

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
SRL25900	SRL	-31.0 -11.8	-11.8 8.6	8.6 0.78	0.78 0.68	0.68 114	114 A883	A883 A887	A884 A882	1 2		
13												
14												
15												
16	23	63.4	3.4 3.4	3.4 3.4	2.8 2.8	2.9 2.9	2.6 2.6	2.7 2.7	2.0 2.0	2.2 2.2		
16	27	63.5	3.4 3.4	3.4 3.4	2.8 2.8	2.9 2.9	2.6 2.6	2.7 2.7	2.0 2.0	2.2 2.2		
16	31	63.6	3.4 3.4	3.4 3.4	2.8 2.8	2.9 2.9	2.6 2.6	2.7 2.7	2.0 2.0	2.2 2.2		
16	35	63.6	3.4 3.4	3.4 3.4	2.8 2.8	2.9 2.9	2.6 2.6	2.7 2.7	2.0 2.0	2.2 2.2		
16	39	63.7	3.4 3.4	3.4 3.4	2.8 2.8	2.9 2.9	2.6 2.6	2.7 2.7	2.0 2.0	2.2 2.2		
17												
18												
19												
20												
21	23	84.0	0.5 0.2	0.5 0.2	0.2 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9		
21	27	84.0	0.5 0.2	0.5 0.2	0.2 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9		
21	31	84.0	0.5 0.2	0.5 0.2	0.2 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9		
21	35	84.0	0.5 0.2	0.5 0.2	0.2 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9		
21	39	84.0	0.5 0.2	0.5 0.2	0.2 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9	0.9 0.9		

	1	2	3	4	5	6	7	8	9	10	11	12
ALG25100	ALG	-25.0 1.5	4.2 27.6	33.2 3.65	2.45 2.94	1.25 135	172 A883	A883 A887	A884 A882	1 2		
13												
14												
15												
16	02	63.4	3.6 3.7	3.3 3.4	3.7 3.7	3.4 3.4	4.2 4.3	3.7 3.8	2.2 2.2	2.2 2.2	3.7 3.8	3.4 3.4
16	06	63.4	3.7 3.7	3.4 3.4	3.7 3.7	3.4 3.4	4.3 4.3	3.8 3.8	2.2 2.2	2.2 2.2	3.8 3.8	3.4 3.4
16	10	63.5	3.7 3.7	3.4 3.4	3.7 3.7	3.4 3.4	4.3 4.3	3.8 3.8	2.2 2.2	2.2 2.2	3.8 3.8	3.4 3.4
16	14	63.6	3.7 3.7	3.4 3.4	3.7 3.7	3.4 3.4	4.3 4.3	3.8 3.8	2.3 2.3	2.3 2.3	3.8 3.8	3.4 3.4
16	18	63.6	3.7 3.7	3.4 3.4	3.7 3.7	3.4 3.4	4.3 4.3	3.8 3.8	2.2 2.2	2.2 2.2	3.8 3.8	3.4 3.4
17												
18												
19												
20												
21	02	84.0	-0.4 -0.4	-0.4 -0.6	0.0 0.0	-0.9 -0.9	-0.5 -0.5	-0.5 -0.7	-0.7 -0.1	-0.1 -0.3	1.2 1.2	0.5 0.5
21	06	84.0	-0.4 -0.4	-0.6 -0.6	0.0 0.0	-0.9 -0.9	-0.5 -0.5	-0.7 -0.7	-0.1 -0.1	-0.3 -0.3	1.2 1.2	0.5 0.5
21	10	84.0	-0.4 -0.4	-0.6 -0.6	0.0 0.0	-0.9 -0.9	-0.5 -0.5	-0.7 -0.7	-0.1 -0.1	-0.3 -0.3	1.2 1.2	0.5 0.5
21	14	84.0	-0.4 -0.4	-0.6 -0.6	0.0 0.0	-0.9 -0.9	-0.5 -0.5	-0.7 -0.7	-0.1 -0.1	-0.3 -0.3	1.2 1.2	0.5 0.5
21	18	84.0	-0.4 -0.4	-0.6 -0.6	0.0 0.0	-0.9 -0.9	-0.5 -0.5	-0.7 -0.7	-0.1 -0.1	-0.3 -0.3	1.2 1.2	0.5 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										
	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											
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	3.6	3.2	3.8	3.4	5.4	4.5	11.0	7.2	10.4	7.0	10.2	6.9								
16	08	62.8	3.7	3.3	3.8	3.4	5.4	4.5	11.0	7.2	10.4	7.0	10.3	6.9								
16	12	62.9	3.7	3.3	3.8	3.4	5.4	4.5	11.0	7.2	10.5	7.0	10.3	6.9								
16	16	63.0	3.7	3.3	3.8	3.4	5.4	4.5	11.1	7.2	10.5	7.0	10.3	6.9								
16	20	63.0	4.2	4.2	4.7	4.6	4.9	4.7	10.3	8.1	7.3	6.4	4.2	4.2								
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		C		A		K		K		E		C		
20				0		0		0		0		0		0		0		0		0		0
21	04	84.0	-0.6	-0.8	-0.2	-1.1	-0.7	-0.7	-0.9	-0.9	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	1.0	0.2	
21	08	84.0	-0.6	-0.8	-0.2	-1.1	-0.7	-0.7	-0.9	-0.9	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	1.0	0.2	
21	12	84.0	-0.6	-0.8	-0.2	-1.1	-0.7	-0.7	-0.9	-0.9	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	1.0	0.2	
21	16	84.0	-0.6	-0.8	-0.2	-1.1	-0.7	-0.7	-0.9	-0.9	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	1.0	0.2	
21	20	84.0	1.4	1.2	1.8	1.0	1.3	1.2	1.2	1.7	1.5	3.0	3.0	2.3								

	1	2	3	4	5	6	7	8	9	10	11	12										
	LBY28000	LBY	-25.0	21.4 16.5	26.0 27.7	2.50 4.23	1.04 1.78	119 129	A883 A887	A884 A882	2 1											
13				1		2		3		4		5		6								
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	5.0	6.0	5.2	6.7	5.6	4.9	4.4	4.7	4.3	5.7	5.0								
16	05	63.5	4.2	3.4	4.8	3.8	5.3	4.1	3.9	3.2	3.8	3.2	4.5	3.6								
16	09	63.6	4.2	3.4	4.8	3.8	5.4	4.2	3.9	3.2	3.8	3.2	4.6	3.7								
16	13	63.6	4.2	3.4	4.8	3.8	5.4	4.2	3.9	3.2	3.8	3.2	4.6	3.7								
16	17	63.7	4.3	3.5	4.9	3.9	5.5	4.3	4.0	3.3	3.9	3.2	4.6	3.7								
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		C		E		E		E		
20				0		0		0		0		0		0		0		0		0		0
21	01	84.0	-0.2	0.9	0.1	1.5	0.5	0.1	1.2	1.2	1.6	1.6	2.2	2.2	0.9							
21	05	84.0	-1.8	-0.6	-1.5	0.0	-1.1	-1.4	-0.4	0.0	0.7	0.7	-0.6									
21	09	84.0	-1.8	-0.6	-1.5	0.0	-1.1	-1.4	-0.4	0.0	0.7	0.7	-0.6									
21	13	84.0	-1.8	-0.6	-1.5	0.0	-1.1	-1.5	-0.4	0.0	0.7	0.7	-0.6									
21	17	84.0	-1.8	-0.6	-1.5	0.0	-1.1	-1.4	-0.4	0.0	0.7	0.7	-0.6									

PLAN 3 07SEP88

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
LBY32100	LBY	-25.0	13.1 17.5	27.2 26.3	2.36 3.68	1.12 1.12	129 129	A883 A887	A884 A882	2 1		
13			1		2		3		4		5	6
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 4.3	3.0 3.0	4.8 4.8	3.3 3.3	4.0 4.0	2.8 2.8	4.0 4.0	2.8 2.8	3.5 3.5	2.5 2.5
16	07	63.1	4.3 4.3	3.0 3.0	4.8 4.8	3.3 3.3	4.0 4.0	2.8 2.8	4.0 4.0	2.8 2.8	3.5 3.5	2.5 2.5
16	11	63.1	4.3 4.3	3.0 3.0	4.8 4.8	3.3 3.3	4.0 4.0	2.8 2.8	4.0 4.0	2.8 2.8	3.5 3.5	2.5 2.5
16	15	63.2	4.3 4.3	3.0 3.0	4.8 4.8	3.3 3.3	4.0 4.0	2.8 2.8	4.0 4.0	2.8 2.8	3.5 3.5	2.5 2.5
16	19	63.3	4.3 4.3	3.0 3.0	4.8 4.8	3.3 3.3	4.0 4.0	2.8 2.8	4.0 4.0	2.8 2.8	3.5 3.5	2.5 2.5
17			25.0 31.5		24.5 26.3		23.6 18.5		17.2 21.4		12.3 22.4	
18			E		C		C		A		A	
19			0		0		0		0		0	
20			0		0		0		0		0	0
21	03	84.0	-3.2	0.3	1.4	2.2	-2.1	-3.1	0.2	1.6	2.8	-0.2
21	07	84.0	-3.2	0.3	1.4	2.2	-2.1	-3.1	0.2	1.6	2.8	-0.2
21	11	84.0	-3.2	0.3	1.4	2.2	-2.1	-3.1	0.2	1.6	2.8	-0.2
21	15	84.0	-3.2	0.3	1.4	2.2	-2.1	-3.1	0.2	1.6	2.8	-0.2
21	19	84.0	-3.2	0.3	1.5	2.2	-2.1	-3.1	0.2	1.6	2.8	-0.2

	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 2		
13			1		2		3		4		5	6
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 4.2	3.4 3.4	6.0 6.0	4.5 4.5	3.6 3.6	3.0 3.0	2.7 2.7	2.3 2.3	7.0 7.0	5.0 5.0
16	27	63.7	4.2 4.2	3.4 3.4	6.0 6.0	4.5 4.5	3.6 3.6	3.0 3.0	2.7 2.7	2.3 2.3	7.0 7.0	5.0 5.0
16	31	63.7	4.2 4.2	3.4 3.4	6.0 6.0	4.5 4.5	3.6 3.6	3.0 3.0	2.7 2.7	2.3 2.3	7.0 7.0	5.0 5.0
16	35	63.8	4.2 4.2	3.4 3.4	6.0 6.0	4.5 4.5	3.6 3.6	3.0 3.0	2.7 2.7	2.3 2.3	7.0 7.0	5.0 5.0
16	39	63.8	4.1 4.1	3.3 3.3	5.7 4.2	4.2 3.5	2.9 2.9		2.7 2.7	2.3 2.3	6.8 6.8	4.8 4.8
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	84.0	-1.8	-1.2	-1.5	-1.6		1.7		-2.0		
21	27	84.0	-1.8	-1.2	-1.5	-1.6		1.7		-2.0		
21	31	84.0	-1.8	-1.2	-1.5	-1.6		1.7		-2.0		
21	35	84.0	-1.8	-1.2	-1.5	-1.6		1.7		-2.0		
21	39	84.0	-1.9	-1.2	-1.6	-1.7		1.6		-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	
	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	1		
13				1		2		3		4		5	6
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	7.4	8.4	8.1	8.0	7.8	6.8	6.8	4.1	4.6	11.8 10.3
16	28	64.5	7.5	7.4	8.5	8.2	8.1	7.9	6.9	6.9	4.1	4.6	11.9 10.4
16	32	64.6	7.5	7.4	8.5	8.2	8.1	7.9	6.9	6.9	4.1	4.6	11.9 10.4
16	36	64.7	7.5	7.4	8.5	8.2	8.1	7.9	6.9	6.9	4.1	4.6	11.9 10.4
16	40	64.7	9.9	9.1	10.1	9.3	9.7	9.0	7.8	7.6	4.7	5.1	14.4 11.6
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	84.0	5.3	5.3	4.1	5.2		3.9		7.4			
21	28	84.0	5.3	5.3	4.1	5.2		3.9		7.4			
21	32	84.0	5.3	5.3	4.1	5.2		3.9		7.4			
21	36	84.0	5.3	5.3	4.1	5.2		3.9		7.4			
21	40	84.0	5.4	5.3	4.1	5.2		3.9		7.5			

	1	2	3	4	5	6	7	8	9	10	11	12	
	TG022600	TGO	-25.0	0.8	8.6	1.52	0.60	105	A883	A884	2		
				0.8	8.6	1.52	0.60	105	A887	A882	1		
13				1		2		3		4		5	6
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	1.4	1.7	1.4	-1.2	-0.9	-1.0	-0.8	-0.7	-0.5	1.1 0.9
16	06	63.4	1.7	1.4	1.7	1.4	-1.2	-0.9	-1.1	-0.9	-0.7	-0.5	1.0 0.8
16	10	63.5	1.7	1.4	1.7	1.4	-1.2	-0.9	-1.1	-0.9	-0.7	-0.5	1.0 0.8
16	14	63.5	1.7	1.4	1.7	1.4	-1.2	-0.9	-1.1	-0.9	-0.7	-0.5	1.0 0.8
16	18	63.6	1.7	1.3	1.7	1.3	-1.2	-1.0	-1.1	-0.9	-0.7	-0.5	1.0 0.8
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				N		P		K		K		N	P
20				0		0		0		0		0	
21	22	84.0	-1.6	-1.9	-1.9	-1.5		-2.9		-1.9			
21	26	84.0	-1.6	-1.9	-1.9	-1.5		-2.9		-1.9			
21	30	84.0	-1.6	-1.9	-1.9	-1.5		-2.9		-1.9			
21	34	84.0	-1.6	-1.9	-1.9	-1.5		-2.9		-1.9			
21	38	84.0	-1.7	-2.0	-2.0	-1.6		-3.0		-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	
	TUN15000	TUN	-25.0	9.5	33.5	1.88	0.72	135	A883	A884	1		
13				1		2		3		4		5	6
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	2.6	3.6	1.8	8.1	3.6	6.3	3.1	7.3	3.4	9.5 4.0
16	26	63.9	5.3	2.6	4.4	2.2	8.4	3.7	6.3	3.1	7.7	3.5	9.8 4.1
16	30	63.9	5.3	2.6	4.4	2.2	8.4	3.7	6.3	3.1	7.7	3.5	9.8 4.1
16	34	64.0	5.3	2.6	4.4	2.2	8.4	3.7	6.3	3.1	7.7	3.5	9.8 4.1
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		C		E		E	
20				0		0		0		0		0	
21	22	84.0	-2.0	-4.9	-0.5	-2.7	-0.3			0.0			
21	26	84.0	-2.0	-4.9	-0.5	-2.7	-0.3			0.0			
21	30	84.0	-2.0	-4.9	-0.5	-2.7	-0.3			0.0			
21	34	84.0	-2.0	-4.9	-0.5	-2.7	-0.3			0.0			

	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		
13				1		2		3		4		5	6
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	-3.5	2.6	-2.1	3.5	-1.9	7.1	-1.3	4.3	-1.8	1.3 -2.5
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		C		C			
20				0		0		0		0		0	
21	38	84.0	-10.4	-9.8	-10.8	-9.4	-10.1	-8.7					

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	1	
13			1		2		3		4		5		6
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	0.3	0.1	0.3	1.4	1.3	0.1	0.3	1.1	1.1	1.2
16	08	64.2	0.1	0.3	0.2	0.4	1.5	1.4	0.1	0.3	1.1	1.1	1.2
16	12	64.2	0.6	0.7	1.1	1.1	2.3	2.0	0.5	0.6	1.5	1.4	1.6
16	16	64.3	0.6	0.7	1.1	1.1	2.3	2.0	0.5	0.6	1.5	1.4	1.6
16	20	64.3	0.8	1.0	1.3	1.4	2.5	2.3	0.7	0.9	1.7	1.7	1.7
17			9.6		17.1		15.1		14.7		16.0		13.9
18			47.2		48.1		49.0		46.5		46.7		48.8
19			H		K		H		K		H		K
20			0		0		0		0		0		0
21	04	84.0	0.0	-2.0	-1.6	-0.7	-1.6	-0.9	-0.2	0.2	-1.3	-1.1	
21	08	84.0	0.0	-2.0	-1.6	-0.7	-1.6	-0.9	-0.2	0.2	-1.3	1.1	
21	12	84.0	0.0	-2.0	-1.6	-0.7	-1.6	-0.9	-0.2	0.2	-1.3	1.1	
21	16	84.0	0.0	-2.0	-1.6	-0.7	-1.6	-0.9	-0.2	0.2	-1.3	1.1	
21	20	84.0	0.6	-1.4	-1.0	-0.1	-1.0	-0.3	0.4	0.8	-0.7	1.7	

		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	2	
13			1		2		3		4		5		6
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	4.7	4.6	4.7	3.6	3.9	2.5	3.0	0.5	1.1	0.9
16	25	64.1	1.4	1.7	1.6	1.9	1.2	1.5	0.5	0.9	-1.0	-0.4	-0.7
16	29	63.5	0.8	1.2	0.9	1.3	0.5	0.9	-0.1	0.4	-1.6	-1.0	-1.3
16	33	63.9	1.1	1.4	1.3	1.6	0.9	1.3	0.2	0.7	-1.3	-0.7	-1.0
16	37	64.4	1.5	1.8	1.7	2.0	1.3	1.6	0.6	1.0	-0.8	-0.2	-0.5
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		
20			0		0		0		0		0		
21	21	84.0	2.2	2.8	3.2	3.4	2.7	2.4					
21	25	84.0	0.0	0.7	1.0	1.3	0.6	0.3					
21	29	84.0	0.0	0.7	1.0	1.3	0.6	0.3					
21	33	84.0	0.0	0.7	1.0	1.3	0.6	0.3					
21	37	84.0	0.0	0.7	1.0	1.3	0.6	0.3					

PLAN 3 07SEP88

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
BEN23300	BEN	-19.0 2.2	2.2 9.5	9.5 1.44	1.44 0.68	0.68 97	97 A883	A883 A887	A884 A882	2 1		
13			1		2		3		4		5	6
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	1.8	1.9	2.5	2.5	4.2	3.8	3.9	3.6	2.1	2.2
16	07	63.3	1.9	2.0	2.6	2.6	4.3	3.9	3.9	3.6	2.1	2.2
16	11	63.4	1.9	2.0	2.6	2.6	4.3	3.9	3.9	3.6	2.1	2.2
16	15	63.4	1.9	2.0	2.6	2.6	4.3	3.9	3.9	3.6	2.1	2.2
16	19	63.4	1.9	2.0	2.6	2.6	4.3	3.9	4.0	3.7	2.1	2.2
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	2.8	-0.6	-0.6	-0.1	-0.1	-0.2		
21	07	84.0	-0.5	0.7	2.8	-0.6	-0.6	-0.1	-0.1	-0.2		
21	11	84.0	-0.5	0.7	2.8	-0.6	-0.6	-0.1	-0.1	-0.2		
21	15	84.0	-0.5	0.7	2.8	-0.6	-0.6	-0.1	-0.1	-0.2		
21	19	84.0	-0.5	0.7	2.8	-0.6	-0.6	-0.1	-0.1	-0.2		

	1	2	3	4	5	6	7	8	9	10	11	12	
D	08700	D	-19.0 9.6	9.6 49.9	49.9 1.62	1.62 0.72	0.72 147	147 A883	A883 A887	A884 A882	2 1		
13			1		2		3		4		5	6	
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	1.4	2.7	1.5	2.7	1.5	2.5	1.4	
16	06	65.6	1.6	0.8	2.5	1.4	2.8	1.6	2.8	1.6	2.6	1.4	
16	10	65.6	1.7	0.9	2.5	1.4	2.8	1.6	2.8	1.6	2.6	1.4	
16	14	65.7	1.6	0.8	0.8	0.3	2.1	1.1	2.7	1.5	2.6	1.4	
16	18	65.7	1.6	0.8	0.8	0.3	2.1	1.1	2.7	1.5	2.6	1.4	
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	-4.5	-3.0	-2.5	-3.2	-2.9	-2.9	-3.8	-3.8			
21	06	84.0	-4.5	-3.0	-2.5	-3.2	-2.9	-2.9	-3.8	-3.8			
21	10	84.0	-4.5	-3.0	-2.5	-3.2	-2.9	-2.9	-3.8	-3.8			
21	14	84.0	-4.5	-3.0	-2.5	-3.2	-2.9	-2.9	-3.8	-3.8			
21	18	84.0	-4.5	-3.0	-2.5	-3.2	-2.9	-2.9	-3.8	-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	
13			1		2		3		4		5	
14			2.5		8.1		9.5		3.0		-1.9	
15			51.2		49.1		41.2		42.5		43.3	
16	01	63.8	4.4	4.2	1.8	2.1	-1.1	-0.5	6.0	5.3	7.9	6.5
16	05	63.8	2.7	2.3	0.1	0.3	-1.8	-1.3	4.0	3.2	5.1	3.9
16	09	63.9	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9
16	13	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9
16	17	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.1	3.3	5.1	3.9
17			2.5		8.1		9.5		3.0		-1.9	
18			51.2		49.1		41.2		42.5		43.3	
19			E		H		K		K		H	
20			0		0		0		0		0	
21	01	84.0	0.4	0.2	0.5		2.1		0.7		2.1	
21	05	84.0	-1.9	-2.1	-1.8		-0.3		-1.6		-0.3	
21	09	84.0	-1.9	-2.1	-1.8		-0.3		-1.6		-0.3	
21	13	84.0	-1.9	-2.1	-1.8		-0.3		-1.6		-0.3	
21	17	84.0	-1.9	-2.1	-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		
13			1		2		3		4		5	
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	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5
16	27	63.8	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5
16	31	63.9	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5
16	35	63.9	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5
16	39	64.0	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5
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	4.3	3.3	1.9		2.3		3.5			
21	27	84.0	4.3	3.3	1.9		2.3		3.5			
21	31	84.0	4.3	3.3	1.9		2.3		3.5			
21	35	84.0	4.3	3.3	1.9		2.3		3.5			
21	39	84.0	4.3	3.3	1.9		2.3		3.5			

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
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		
13			1		2		3		4		5	
14			3.1		6.2		7.2		7.3		6.6	
15			51.2		50.6		52.2		53.3		53.7	
16	23	64.4	1.5	1.8	-0.2	0.3	1.4	1.7	2.1	2.3	2.2	2.4
16	27	64.5	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.3	2.2	2.4
16	31	64.6	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.3	2.2	2.4
16	35	64.6	2.1	2.3	0.5	1.0	1.8	2.1	2.2	2.4	2.3	2.5
16	39	64.7	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.3	2.2	2.4
17			3.1		6.2		7.2		7.3		6.6	
18			51.2		50.6		52.2		53.3		53.7	
19			E		E		E		E		E	
20			0		0		0		0		0	
21	23	84.0	0.9	0.3	1.5	1.0	0.5	0.8				
21	27	84.0	0.9	0.3	1.5	1.0	0.6	0.8				
21	31	84.0	0.9	0.3	1.5	1.0	0.6	0.8				
21	35	84.0	0.9	0.3	1.5	1.0	0.6	0.8				
21	39	84.0	0.9	0.3	1.5	1.0	0.6	0.8				

	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	
13			1		2		3		4		5	
14			12.6		8.2		6.6		8.3		13.7	
15			35.4		39.0		45.1		46.5		46.5	
16	24	64.1	3.1	3.2	6.1	5.5	3.9	3.8	3.5	3.5	4.0	3.9
16	28	64.2	3.3	3.4	6.1	5.5	4.3	4.2	4.0	3.9	4.3	4.2
16	32	64.2	3.3	3.4	6.1	5.5	4.3	4.2	4.0	3.9	4.3	4.2
16	36	64.3	3.3	3.4	6.1	5.5	4.0	3.9	3.5	3.5	4.0	3.9
16	40	64.3	3.8	4.2	9.0	8.2	6.6	6.5	5.5	5.6	6.0	6.0
17			12.6		8.2		6.6		8.3		13.7	
18			35.4		39.0		45.1		46.5		46.5	
19			E		K		L		H		K	
20			0		0		0		0		0	
21	24	84.0	1.3	0.5	1.0	1.7	1.7	1.9	0.7			
21	28	84.0	1.3	0.5	1.0	1.7	1.7	1.9	0.7			
21	32	84.0	1.3	0.5	1.0	1.7	1.7	1.9	0.7			
21	36	84.0	1.3	0.5	1.0	1.7	1.7	1.9	0.7			
21	40	84.0	3.6	2.8	3.3	4.0	4.2	3.0				

PLAN 3 07SEP88

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
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		
13			1		2		3		4		5	6
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	1.4	0.1	0.7	-2.0	-1.3	-3.6	-2.8	0.6	1.1
16	07	63.0	0.9	1.4	0.1	0.7	-2.0	-1.3	-3.6	-2.8	0.6	1.1
16	11	63.0	0.9	1.4	0.1	0.7	-2.0	-1.3	-3.6	-2.8	0.6	1.1
16	15	63.1	0.9	1.4	0.1	0.7	-2.0	-1.3	-3.6	-2.8	0.6	1.1
16	19	63.1	0.9	1.4	0.1	0.7	-2.0	-1.3	-3.6	-2.8	0.6	1.1
17			6.0									
18			49.8									
19			E									
20			0									
21	03	84.0	1.2									
21	07	84.0	1.2									
21	11	84.0	1.2									
21	15	84.0	1.2									
21	19	84.0	1.2									

	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	A887	A882	2		
13			1		2		3		4		5	6
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	0.8	10.2	2.3	6.0	1.5	4.5	1.0	5.4	1.3
16	26	63.9	3.8	0.7	9.9	2.3	5.8	1.4	4.3	0.9	5.3	1.3
16	30	64.0	3.8	0.7	9.9	2.3	5.8	1.4	4.3	0.9	5.3	1.3
16	34	64.1	3.8	0.7	9.9	2.3	5.8	1.4	4.3	0.9	5.3	1.3
16	38	64.1	3.8	0.7	10.0	2.3	5.8	1.4	4.4	1.0	5.3	1.3
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	
21	22	84.0	-5.8	-3.5	-6.7	-7.1	-5.6		-6.0			
21	26	84.0	-5.9	-3.6	-6.8	-7.1	-5.6		-6.1			
21	30	84.0	-5.9	-3.6	-6.8	-7.1	-5.6		-6.1			
21	34	84.0	-5.9	-3.6	-6.8	-7.1	-5.6		-6.1			
21	38	84.0	-5.9	-3.6	-6.8	-7.1	-5.6		-6.1			

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
NMB02500	NMB	-19.0	17.5	-21.6	2.66	1.90	48	A883	A884	2		
13			1		2		3		4		5	
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	11.1	3.0	8.8	2.7	5.8	1.9	5.4	1.8	0.7	-0.5
16	29	64.8	11.4	3.1	8.9	2.7	5.9	1.9	5.5	1.8	0.7	-0.5
16	33	64.8	11.2	3.0	8.8	2.7	5.9	1.9	5.4	1.8	0.7	-0.5
16	37	64.9	10.9	3.0	8.7	2.6	5.8	1.9	5.4	1.8	0.6	-0.5
17			17.1		20.0		21.0		21.0		12.0	
18			-22.6		-28.4		-22.0		-17.6		-17.0	
19			E		E		E		E		E	
20			0		0		0		0		0	
21	25	84.0	-3.0	-6.2	-3.8	-6.4	-4.5	-4.5	-6.4			
21	29	84.0	-3.0	-6.2	-3.8	-6.4	-4.5	-4.5	-6.4			
21	33	84.0	-3.0	-6.2	-3.8	-6.4	-4.5	-4.5	-6.4			
21	37	84.0	-3.0	-6.2	-3.8	-6.4	-4.5	-4.5	-6.4			

	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		
13			1		2		3		4		5	
14			6.0		6.9		8.5		10.4		9.0	
15			46.1		47.3		47.8		46.9		45.7	
16	22	64.1	1.8	2.0	1.4	1.7	1.5	1.8	1.5	1.8	2.0	2.2
16	26	64.1	1.8	2.0	1.5	1.8	1.6	1.9	1.5	1.8	2.0	2.2
16	30	64.2	1.9	2.1	1.6	1.9	1.7	1.9	1.6	1.9	2.1	2.3
16	34	64.3	2.3	2.4	2.2	2.4	2.2	2.4	1.8	2.0	2.2	2.4
16	38	64.3	2.2	2.4	2.2	2.4	2.5	2.6	2.1	2.3	2.4	2.5
17			6.0		6.9		8.5		10.4		9.0	
18			46.1		47.3		47.8		46.9		45.7	
19			H		H		H		K		H	
20			0		0		0		0		0	
21	22	84.0	-0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.5		
21	26	84.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.5		
21	30	84.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.5		
21	34	84.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.5		
21	38	84.0	-0.1	0.1	0.0	0.0	0.0	0.1	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
ZAI32200	ZAI	-19.0	22.4	0.0	2.16	1.88	48	A883	A884	1		
13			1		2		3		4		5	6
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
16	08	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6
16	12	64.8	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6
16	16	64.9	10.0	3.0	7.0	2.4	10.5	3.1	10.5	3.1	4.6	1.6
16	20	64.9	10.7	3.2	7.1	2.5	11.8	3.4	11.2	3.3	6.4	2.3
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		P	
20			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		
13			1		2		3		4		5	6
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
16	06	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	2.9	0.2
16	10	64.7	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2
16	14	64.8	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2
16	18	64.9	2.7	0.1	0.6	-0.9	3.6	0.5	6.1	1.3	3.0	0.2
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						

MARGE DE 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	1			
13			1		2		3		4		5	
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	12.8	9.4	6.9	6.3	8.8	7.5	8.8	7.5	13.2	9.5
16	27	64.2	13.0	9.4	7.0	6.3	8.9	7.5	8.9	7.5	13.4	9.6
16	31	64.2	13.0	9.4	7.0	6.3	8.9	7.5	8.9	7.5	13.4	9.6
16	35	64.3	13.0	9.4	7.0	6.3	8.9	7.5	8.9	7.5	13.4	9.6
16	39	64.4	13.0	9.4	6.9	6.3	8.9	7.5	8.8	7.5	13.3	9.5
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	1.6	2.3	2.0	1.3			1.5			
21	27	84.0	1.6	2.3	2.0	1.3			1.5			
21	31	84.0	1.6	2.3	2.0	1.3			1.5			
21	35	84.0	1.6	2.3	2.0	1.3			1.5			
21	39	84.0	1.6	2.3	2.0	1.3			1.5			

	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		
13			1		2		3		4		5	
14			15.5		14.6		16.5		27.5		23.2	
15			7.5		6.1		2.1		5.0		11.0	
16	24	64.3	3.4	3.8	4.6	4.9	7.8	7.4	2.8	3.3	0.4	1.1
16	28	64.3	3.4	3.8	4.7	4.9	7.8	7.4	2.8	3.3	0.4	1.1
16	32	64.4	3.4	3.8	4.7	4.9	7.8	7.4	2.9	3.4	0.4	1.1
16	36	64.4	3.4	3.8	4.7	4.9	7.8	7.4	2.9	3.4	0.4	1.1
16	40	64.5	3.6	4.2	4.8	5.3	8.1	8.1	3.1	3.8	0.6	1.4
17			15.5		14.6		16.5		27.5		23.2	
18			7.5		6.1		2.1		5.0		11.0	
19			N		P		P		N		K	
20			0		0		0		0		0	
21	24	84.0	3.4	3.4	3.5	2.9		3.3		3.5		
21	28	84.0	3.4	3.4	3.5	2.9		3.3		3.5		
21	32	84.0	3.4	3.4	3.5	2.9		3.3		3.5		
21	36	84.0	3.4	3.4	3.5	2.9		3.3		3.5		
21	40	84.0	5.4	5.5	5.6	4.9		5.3		5.5		

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
	CME30000	CME	-13.0	12.7	6.2	2.54	1.68	87	A883	A884	1	
13			1		2		3		4		5	6
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	3.8	5.7	5.5	7.3	6.6	5.1	5.0	8.3	7.3
16	05	63.5	3.4	2.6	5.1	3.6	5.9	4.0	1.1	0.9	4.7	3.4
16	09	63.5	3.4	2.6	5.1	3.6	5.9	4.0	1.2	1.0	4.7	3.4
16	13	63.6	3.4	2.6	5.2	3.7	5.9	4.0	1.2	1.0	4.7	3.4
16	17	63.6	3.4	2.6	5.2	3.7	5.9	4.0	1.2	1.0	4.7	3.4
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	1.9	3.4	3.8	1.6	2.3		2.6			
21	05	84.0	-2.5	-1.0	-0.6	-2.8	-2.1		-1.8			
21	09	84.0	-2.5	-1.0	-0.6	-2.8	-2.1		-1.8			
21	13	84.0	-2.5	-1.0	-0.6	-2.8	-2.1		-1.8			
21	17	84.0	-2.5	-1.0	-0.6	-2.8	-2.1		-1.8			

	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	
13			1		2		3		4		5	6
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	1.1	-1.6	-0.8	6.6	6.3	4.9	4.9	4.8	4.9
16	26	63.8	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8
16	30	63.9	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8
16	34	63.9	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8
16	38	64.0	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8
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	5.1	2.1		2.0						
21	26	84.0	5.1	2.1		2.0						
21	30	84.0	5.1	2.1		2.0						
21	34	84.0	5.1	2.1		2.0						
21	38	84.0	5.1	2.1		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
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	1				
13			1		2		3		4		5		6
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	3.8	2.6
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
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
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
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
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		N		N		
20			0		0		0		0		0		
21	03	84.0	5.4	7.2	6.1	8.5	6.6						
21	07	84.0	5.4	7.2	6.1	8.5	6.6						
21	11	84.0	5.4	7.2	6.1	8.5	6.6						
21	15	84.0	5.4	7.2	6.1	8.5	6.6						
21	19	84.0	7.9	9.6	8.6	11.0	9.1						

		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	0.60	0	A887	A882	1			
13			1										
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	11.3										
21	08	84.0	11.3										
21	12	84.0	11.3										
21	16	84.0	11.3										

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
	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	A887	A882	1	
13			1		2		3		4			
14			7.4		6.8		7.0		5.0			
15			1.7		0.4		0.8		2.0			
16	04	61.5	0.8	1.7	2.8	3.7	3.1	4.0	-2.4	-1.4		
16	08	61.5	0.8	1.7	2.8	3.7	3.1	4.0	-2.4	-1.4		
16	12	61.5	0.8	1.7	2.8	3.7	3.1	4.0	-2.4	-1.4		
16	16	61.6	0.8	1.7	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	5.6	0.0	0.9		
17			7.0									
18			0.8									
19			N									
20			0									
21	21	84.0		10.5								
21	25	84.0		10.0								
21	29	84.0		10.0								
21	33	84.0		10.0								
21	37	84.0		10.0								

	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	
13			1		2		3		4		5	6
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
16	06	64.0	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.3	7.6
16	10	64.1	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6
16	14	64.1	6.6	5.9	7.2	6.3	8.4	7.1	4.7	4.6	9.4	7.6
16	18	64.2	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6
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	
21	02	84.0	2.4	2.1	0.9	1.9	2.1					
21	06	84.0	2.4	2.1	0.9	1.9	2.1					
21	10	84.0	2.4	2.1	0.9	1.9	2.1					
21	14	84.0	2.4	2.1	0.9	1.9	2.1					
21	18	84.0	2.4	2.1	0.9	1.9	2.1					

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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		
	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			
13				1		2		3		4		5		6
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	-1.9	-1.2	-0.1	0.5	0.7	1.2	-0.5	0.2	0.2	0.8	-0.1	0.5
16	26	63.8	-1.9	-1.2	-0.1	0.5	0.8	1.3	-0.5	0.2	0.2	0.8	-0.1	0.5
16	30	63.9	-1.9	-1.2	-0.1	0.5	0.8	1.3	-0.5	0.2	0.2	0.8	-0.1	0.5
16	34	63.9	-1.9	-1.2	-0.1	0.5	0.8	1.3	-0.5	0.2	0.2	0.8	-0.1	0.5
16	38	64.0	-2.3	-1.5	-0.5	0.2	0.1	0.7	-1.3	-0.6	-0.3	0.3	-0.5	0.2
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		K		
20				0		0		0		0		0		
21	22	84.0	1.3	1.4	1.4	1.4	1.8		1.4	1.7				
21	26	84.0	1.3	1.4	1.4	1.4	1.8		1.4	1.7				
21	30	84.0	1.3	1.4	1.4	1.4	1.8		1.4	1.7				
21	34	84.0	1.3	1.4	1.4	1.4	1.8		1.4	1.7				
21	38	84.0	1.3	1.4	1.4	1.4	1.8		1.4	1.7				

	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			
13				1		2		3		4		5		6
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	0.2	4.9	0.6	1.4	-0.8	-0.2	-1.6	1.4	-0.8	1.2	-0.9
16	08	63.2	3.7	0.2	4.9	0.6	1.5	-0.7	-0.2	-1.6	1.4	-0.8	1.2	-0.9
16	12	63.2	3.8	0.2	5.0	0.6	1.5	-0.7	-0.2	-1.6	1.4	-0.8	1.3	-0.8
16	16	63.3	3.8	0.2	5.0	0.6	1.5	-0.7	-0.2	-1.6	1.4	-0.8	1.3	-0.8
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
18				31.8		21.8		21.6		23.3		29.4		31.7
19				E		A		A		C		E		
20				0		0		0		0		0		
21	04	84.0	-7.9	-7.9	-7.7	-7.7	-7.6	-6.3	-7.1					
21	08	84.0	-7.9	-7.9	-7.7	-7.7	-7.6	-6.3	-7.1					
21	12	84.0	-7.9	-7.9	-7.7	-7.7	-7.6	-6.3	-7.1					
21	16	84.0	-7.9	-7.9	-7.7	-7.7	-7.6	-6.3	-7.1					
21	20	84.0	5.9	5.8	6.1	6.2	6.2	7.5	6.6					

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
	SDN23000	SDN	-7.0	29.2	7.5	2.34	1.12	148	A883	A884	2	
				29.2	7.5	2.34	1.12	148	A887	A882	1	
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	2.4	2.3	1.5	2.0	1.3	1.0	0.6	1.2	0.8
16	27	64.5	3.7	1.0	2.3	0.4	2.0	0.2	1.0	-0.3	1.2	-0.2
16	31	64.5	3.7	1.0	2.3	0.4	2.0	0.2	1.0	-0.3	1.2	-0.2
16	35	64.6	3.7	1.0	2.3	0.4	2.0	0.2	1.0	-0.3	1.2	-0.2
16	39	64.6	3.7	1.0	2.3	0.4	2.0	0.2	1.0	-0.3	1.2	-0.2
17					36.0	34.0	30.0	23.0		23.5	30.0	
18					4.6	8.5	10.0	11.0		8.7	4.0	
19					J	J	K	K		N	K	
20					0	0	0	0		0	0	
21	01	84.0	-3.0	-3.7	-3.0	-3.3	-2.6	-2.6		-3.7		
21	05	84.0	-5.8	-6.5	-5.8	-6.1	-5.4	-5.4		-6.5		
21	09	84.0	-5.8	-6.5	-5.8	-6.1	-5.4	-5.4		-6.5		
21	13	84.0	-5.8	-6.5	-5.8	-6.1	-5.4	-5.4		-6.5		
21	17	84.0	-5.8	-6.5	-5.8	-6.1	-5.4	-5.4		-6.5		

	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	
				28.9	12.7	2.26	1.96	159	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	-1.9	-1.0	-1.4	1.7	0.3	2.1	0.6	1.1	0.0
16	26	63.5	-1.6	-1.9	-1.0	-1.4	1.8	0.4	2.1	0.6	1.1	0.0
16	30	63.6	-1.6	-1.9	-1.0	-1.4	1.8	0.4	2.1	0.6	1.1	0.0
16	34	63.6	-1.6	-1.9	-1.0	-1.4	1.8	0.4	2.1	0.6	1.1	0.0
16	38	63.7	-1.6	-1.9	-1.0	-1.4	1.8	0.4	2.1	0.6	1.1	0.0
17					34.0	36.8	32.0	23.0		22.0	23.0	
18					8.5	16.0	16.0	15.6		13.0	10.7	
19					J	C	C	K		K		
20					0	0	0	0		0	0	
21	22	84.0	-5.7	-5.9	-4.0	-5.3	-5.0	-5.0		-4.6		
21	26	84.0	-5.7	-5.9	-4.0	-5.3	-5.0	-5.0		-4.6		
21	30	84.0	-5.7	-5.9	-4.0	-5.3	-5.0	-5.0		-4.6		
21	34	84.0	-5.7	-5.9	-4.0	-5.3	-5.0	-5.0		-4.6		
21	38	84.0	-5.7	-5.9	-4.0	-5.3	-5.0	-5.0		-4.6		

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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	
SDN23200	SDN	-7.0	30.4	19.0	2.44	1.52	176	A883	A884	1		
			30.4	19.0	2.44	1.52	176	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	3.6	4.8	5.6	3.9	4.7	1.1	2.0	-0.1	0.8
16	28	63.3	2.8	3.6	4.9	5.7	4.0	4.8	1.2	2.1	-0.1	0.8
16	32	63.4	2.8	3.6	4.9	5.7	4.0	4.8	1.2	2.1	-0.1	0.8
16	36	63.4	2.8	3.6	4.9	5.7	4.0	4.8	1.2	2.1	-0.1	0.8
16	40	63.5	3.3	4.1	5.8	6.5	5.3	6.0	1.8	2.7	0.0	0.9
17			36.8		38.5		35.5		25.0		24.0	32.0
18			16.0		18.0		23.0		22.0		15.8	16.0
19			C		C		A		C		C	
20			0		0		0		0		0	
21	24	84.0	8.3	9.3	8.4	8.7	8.6		9.7			
21	28	84.0	8.3	9.3	8.5	8.7	8.7		9.7			
21	32	84.0	8.3	9.3	8.5	8.7	8.7		9.7			
21	36	84.0	8.3	9.3	8.5	8.7	8.7		9.7			
21	40	84.0	8.3	9.3	8.5	8.7	8.7		9.7			

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	-1.1	2.7	2.1	0.2	0.2	4.6	3.3	0.8	0.7
16	25	65.3	-1.4	-1.1	4.3	3.0	0.5	0.4	4.5	3.1	2.6	1.9
16	29	65.3	-1.7	-1.4	3.7	2.7	-0.9	-0.7	4.0	2.8	0.2	0.2
16	33	65.4	-1.7	-1.4	3.7	2.7	-0.9	-0.7	4.0	2.8	0.2	0.2
16	37	65.4	-1.7	-1.4	3.6	2.6	-0.9	-0.7	3.9	2.8	0.2	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		L	
20			0		0		0		0		0	0
21	01	84.0	-2.2	-2.6	-2.1	-1.8	-1.4	-2.1	-2.2	-1.9	-2.4	-2.8
21	05	84.0	-2.5	-2.9	-2.3	-2.1	-1.7	-2.4	-2.5	-2.2	-2.7	-3.1
21	09	84.0	-2.5	-2.9	-2.3	-2.1	-1.7	-2.4	-2.5	-2.2	-2.7	-3.1
21	13	84.0	-2.5	-2.9	-2.3	-2.1	-1.7	-2.4	-2.5	-2.2	-2.7	-3.1
21	17	84.0	-2.5	-2.9	-2.3	-2.1	-1.7	-2.4	-2.5	-2.2	-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
	YUG14900	YUG	-7.0	18.4	43.7	1.68	0.66	154	A883	A884	1	
13			1		2		3		4		5	
14			13.4		21.0		20.1		16.1		22.7	
15			46.4		40.6		46.3		42.9		44.5	
16	23	65.2	-1.3	-0.6	0.3	0.9	-1.3	-0.6	-0.2	0.5	-0.1	0.6
16	27	65.3	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4
16	31	65.4	0.0	0.7	1.1	1.7	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4
16	35	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.4
16	39	65.5	0.0	0.7	1.1	1.7	-2.7	-1.9	-1.4	-0.7	-2.3	-1.5
17			16.3		13.2		13.9		16.1		19.4	
18			46.9		46.3		44.9		43.0		41.9	
19			K		K		K		K		L	
20			0		0		0		0		0	
21	03	84.0	2.4	1.9	2.5	2.8	3.2	2.4	2.4	2.7	2.2	1.7
21	07	84.0	2.4	1.9	2.5	2.8	3.2	2.4	2.4	2.7	2.2	1.7
21	11	84.0	2.4	1.9	2.5	2.8	3.2	2.4	2.4	2.7	2.2	1.8
21	15	84.0	2.4	1.9	2.5	2.8	3.2	2.4	2.4	2.7	2.2	1.7
21	19	84.0	2.4	1.9	2.5	2.8	3.2	2.4	2.4	2.7	2.2	1.8

	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	
13			1		2		3		4		5	
14			21.0		25.3		29.3		25.6		20.6	
15			-18.4		-17.8		-22.1		-25.6		-27.0	
16	02	63.8	5.1	2.4	3.5	1.6	5.8	2.7	8.0	3.4	8.2	3.5
16	06	63.8	5.1	2.4	3.5	1.6	5.8	2.7	7.9	3.4	8.2	3.5
16	10	63.9	5.1	2.4	3.5	1.6	5.8	2.7	7.9	3.4	8.2	3.5
16	14	63.9	5.2	2.4	3.5	1.6	5.8	2.7	8.0	3.4	8.3	3.5
16	18	64.0	5.1	2.4	3.5	1.6	5.8	2.7	7.9	3.4	8.2	3.5
17			21.0		25.3		29.3		25.6		20.6	
18			-18.4		-17.8		-22.1		-25.6		-27.0	
19			E		E		E		C		C	
20			0		0		0		0		0	
21	02	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-5.2	-3.1	-3.1		
21	06	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-5.2	-3.1	-3.1		
21	10	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-5.2	-3.1	-3.1		
21	14	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-5.2	-3.1	-3.1		
21	18	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-5.2	-3.1	-3.1		

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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		
		BUL02000	BUL	-1.0	25.0	43.0	1.04	0.60	165	A883	A884	1			
13					1		2		3		4		5		6
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	-1.9	-2.2	-2.7	-0.5	-1.6	-2.3	-2.8	-1.8	-2.5	-1.7	-2.4	
16	08	63.7	-0.9	-1.9	-2.1	-2.7	-0.5	-1.6	-2.2	-2.7	-1.8	-2.5	-1.6	-2.3	
16	12	63.8	-0.9	-1.9	-2.1	-2.7	-0.5	-1.6	-2.2	-2.7	-1.8	-2.5	-1.6	-2.3	
16	16	63.8	-0.9	-1.9	-2.1	-2.7	-0.5	-1.6	-2.2	-2.7	-1.8	-2.5	-1.6	-2.3	
16	20	63.9	-1.8	-2.4	-1.2	-2.0	-1.3	-2.0	-1.6	-2.2	-2.2	-2.7	-1.6	-2.2	
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		L		L		
20					0		0		0		0		0		
21	04	84.0	-4.1	-6.8	-4.8	-7.5	-5.4	-6.4							
21	08	84.0	-4.1	-6.8	-4.8	-7.5	-5.4	-6.4							
21	12	84.0	-4.1	-6.8	-4.7	-7.5	-5.4	-6.4							
21	16	84.0	-4.1	-6.8	-4.7	-7.5	-5.4	-6.4							
21	20	84.0	-3.8	-6.5	-4.4	-7.2	-5.1	-6.1							

		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			
13					1		2		3		4		5		6
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	-2.4	
16	25	64.3	-3.1	-2.3	-1.5	-0.7	-2.4	-1.6	-1.4	-0.7	-2.5	-1.7	-3.5	-2.7	
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	-2.5	
16	33	64.4	-3.0	-2.2	-1.8	-1.0	-2.9	-2.1	-1.7	-0.9	-2.2	-1.4	-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	-1.5	-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		H		E				
20					0		0		0		0		0		
21	21	84.0	1.3	0.4	0.7	2.3	2.0								
21	25	84.0	2.7	1.8	2.0	3.7	3.4								
21	29	84.0	2.7	1.8	2.0	3.7	3.4								
21	33	84.0	2.7	1.8	2.0	3.7	3.4								
21	37	84.0	2.7	1.8	2.0	3.7	3.4								

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
HNG10600	HNG	-1.0	19.5	47.2	0.92	0.60	176	A883	A884	1		
13			1		2		3		4		5	6
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	-1.1	-0.1	-0.8	-2.2	-2.3	-2.9	-2.9	-2.1	-2.2
16	26	64.0	-0.6	-1.1	0.0	-0.7	-2.2	-2.3	-2.8	-2.8	-2.1	-2.2
16	30	64.1	-0.6	-1.1	0.0	-0.7	-2.1	-2.2	-2.8	-2.8	-2.1	-2.2
16	34	64.1	-0.3	-0.9	0.3	-0.5	-2.0	-2.1	-2.8	-2.8	-2.0	-2.1
16	38	64.2	-0.4	-1.0	0.5	-0.4	-1.5	-1.8	-2.5	-2.5	-2.1	-2.2
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	
20			0		0		0		0		0	
21	22	84.0	-3.9	-4.5	-5.7	-5.8	-4.6	-4.6	-3.7	-3.7		
21	26	84.0	-3.9	-4.5	-5.7	-5.8	-4.6	-4.6	-3.7	-3.7		
21	30	84.0	-3.9	-4.5	-5.7	-5.8	-4.6	-4.6	-3.7	-3.7		
21	34	84.0	-3.9	-4.5	-5.7	-5.8	-4.6	-4.6	-3.7	-3.7		
21	38	84.0	-3.9	-4.5	-5.7	-5.8	-4.6	-4.6	-3.7	-3.7		

	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		
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	1.6	9.0	2.0	4.2	0.8	4.3	0.9	5.7	1.3
16	08	64.2	6.8	1.6	8.9	2.0	4.2	0.8	4.2	0.8	5.7	1.3
16	12	64.3	6.8	1.6	9.0	2.0	4.2	0.8	4.3	0.9	5.7	1.3
16	16	64.4	6.8	1.6	9.0	2.0	4.2	0.8	4.2	0.8	5.7	1.3
16	20	64.4	6.7	1.9	8.5	2.3	4.5	1.2	4.0	1.0	5.6	1.6
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	84.0	-6.6	-6.1	-7.0	-7.2	-5.8	-5.8				
21	08	84.0	-6.6	-6.1	-7.0	-7.2	-5.8	-5.8				
21	12	84.0	-6.6	-6.1	-7.0	-7.2	-5.8	-5.8				
21	16	84.0	-6.6	-6.1	-7.0	-7.2	-5.8	-5.8				
21	20	84.0	-6.2	-5.8	-6.6	-6.8	-5.4	-5.4				

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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
MWI130800	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	1				
13			1		2		3		4		5		6
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	10.9	11.5	12.1	12.5	13.0	11.9	12.5	10.1	10.8	10.1 10.8
16	28	64.3	10.4	11.1	11.7	12.3	12.7	13.2	12.1	12.6	10.3	11.0	10.3 11.0
16	32	64.4	10.4	11.1	11.7	12.3	12.7	13.2	12.1	12.6	10.3	11.0	10.4 11.1
16	36	64.4	10.4	11.1	11.7	12.3	12.7	13.2	12.1	12.6	10.2	10.9	10.3 11.0
16	40	64.5	10.9	11.8	12.3	13.2	13.4	14.3	14.2	15.1	14.6	15.5	11.6 12.5
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		
20			0		0		0		0		0		
21	24	84.0	15.6	17.1	17.7	16.1	15.7		12.7				
21	28	84.0	15.6	17.1	17.7	16.1	15.7		12.7				
21	32	84.0	15.6	17.1	17.7	16.1	15.7		12.7				
21	36	84.0	15.6	17.1	17.7	16.1	15.7		12.7				
21	40	84.0	23.5	24.9	25.5	23.9	23.6		20.5				

		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	0	A883	A884	2		
			17.2	51.8	2.00	2.00			A887	A882	1		
13			1		2		3		4		5		6
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	0.7	2.8	0.9	1.8	0.3	0.0	-0.8	2.7	0.8	2.5 0.7
16	05	64.2	-0.7	-1.3	0.7	-0.4	1.2	-0.1	-0.3	-1.1	2.2	0.4	1.2 -0.1
16	09	64.2	-0.7	-1.3	0.7	-0.4	1.2	-0.1	-0.3	-1.1	2.2	0.4	1.2 -0.1
16	13	64.3	0.3	-0.7	1.6	0.1	1.4	0.0	-0.2	-1.0	2.4	0.5	3.1 0.9
16	17	64.3	0.4	-0.6	1.6	0.1	1.5	0.0	-0.2	-1.0	2.5	0.6	3.6 1.1
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	84.0	-4.5	-3.8	-4.5	-6.0			-4.7				
21	05	84.0	-4.8	-4.1	-4.9	-6.3			-5.0				
21	09	84.0	-4.8	-4.1	-4.9	-6.3			-5.0				
21	13	84.0	-4.8	-4.1	-4.9	-6.3			-5.0				
21	17	84.0	-4.8	-4.1	-4.9	-6.3			-5.0				

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	
13			1		2		3		4		5	6
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	-1.2	-0.1	-0.2	0.2	0.0	0.5	0.3	0.9	0.6
16	06	63.9	-1.3	-1.2	-0.1	-0.2	0.2	0.0	0.5	0.3	0.9	0.6
16	10	63.9	-1.3	-1.2	-0.1	-0.2	0.2	0.0	0.5	0.3	0.9	0.6
16	14	64.0	-1.2	-1.1	-0.1	-0.2	0.3	0.1	0.5	0.3	1.1	0.7
16	18	64.0	-1.2	-1.1	-0.1	-0.2	0.3	0.1	0.5	0.3	1.0	0.6
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	84.0	-3.3	-3.6	-2.3	-2.7	-2.7	-3.7	-3.7	-3.7	-1.5	
21	06	84.0	-3.3	-3.6	-2.3	-2.7	-2.7	-3.7	-3.7	-3.7	-1.5	
21	10	84.0	-3.3	-3.6	-2.3	-2.7	-2.7	-3.7	-3.7	-3.7	-1.5	
21	14	84.0	-3.3	-3.6	-2.3	-2.7	-2.7	-3.7	-3.7	-3.7	-1.5	
21	18	84.0	-3.3	-3.6	-2.3	-2.7	-2.7	-3.7	-3.7	-3.7	-1.5	

	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	
13			1		2		3		4		5	
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	7.9	6.8	6.9	7.8	7.7	6.8	6.9	8.0	7.9
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	84.0	5.2	4.9	5.2	4.4	4.4	5.2				
21	05	84.0	1.9	1.6	1.9	1.1	1.1	1.9				
21	09	84.0	1.9	1.6	1.9	1.1	1.1	1.9				
21	13	84.0	1.9	1.6	1.9	1.1	1.1	1.9				
21	17	84.0	1.9	1.6	1.9	1.1	1.1	1.9				

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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
	TCH14400	TCH	-1.0	17.3	49.3	1.47	0.60	170	A883	A884	2			
13				1		2		3		4		5		6
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	-2.1	-0.5	-1.2	-0.4	-1.2	0.6	-0.5	-0.4	-1.2	-1.0	-1.6
16	07	63.9	-1.8	-2.1	-0.5	-1.2	-0.4	-1.2	0.6	-0.5	-0.4	-1.2	-1.0	-1.6
16	11	63.9	-1.4	-1.9	-0.2	-1.0	-0.4	-1.2	0.7	-0.5	-0.3	-1.1	-0.5	-1.2
16	15	64.0	-1.5	-1.9	-0.2	-1.0	-0.3	-1.1	0.7	-0.5	-0.2	-1.0	-0.5	-1.2
16	19	64.0	-1.5	-1.9	-0.2	-1.0	-0.3	-1.1	0.7	-0.5	-0.2	-1.0	-0.5	-1.2
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	-5.1	-4.3	-6.0	-6.0	-6.4	-6.4	-4.7	-4.7				
21	07	84.0	-5.1	-4.3	-6.0	-6.0	-6.4	-6.4	-4.7	-4.7				
21	11	84.0	-5.1	-4.3	-6.0	-6.0	-6.4	-6.4	-4.7	-4.7				
21	15	84.0	-5.1	-4.3	-6.0	-6.0	-6.4	-6.4	-4.7	-4.7				
21	19	84.0	-5.1	-4.3	-6.0	-6.0	-6.4	-6.4	-4.7	-4.7				

		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			
13				1		2		3		4		5		
14				28.5		33.0		33.0		25.5		26.2		
15				-8.0		-9.0		-13.8		-17.5		-15.0		
16	03	63.8	4.6	1.6	3.9	1.3	3.0	0.9	3.5	1.1	6.5	2.3		
16	07	63.8	4.5	1.6	3.9	1.3	3.0	0.9	3.5	1.1	6.5	2.3		
16	11	63.8	4.6	1.6	3.9	1.3	3.0	0.9	3.5	1.1	6.5	2.3		
16	15	63.9	4.6	1.6	3.9	1.3	3.0	0.9	3.5	1.1	6.5	2.3		
16	19	63.9	4.6	1.6	3.9	1.3	3.0	0.9	3.5	1.1	6.5	2.3		
17				28.5		33.0		33.0		25.5		26.2		
18				-8.0		-9.0		-13.8		-17.5		-15.0		
19				K		J		J		J				
20				0		0		0		0		0		
21	03	84.0	-6.2	-5.8	-5.7	-5.7	-5.1	-3.1						
21	07	84.0	-6.2	-5.8	-5.7	-5.7	-5.1	-3.1						
21	11	84.0	-6.2	-5.8	-5.7	-5.7	-5.1	-3.1						
21	15	84.0	-6.2	-5.8	-5.7	-5.7	-5.1	-3.1						
21	19	84.0	-6.2	-5.8	-5.7	-5.7	-5.1	-3.1						

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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
	ZWE13500	ZWE	-1.0	29.6	-18.8	1.46	1.36	37	A883	A884	2	
13				1	2		3		4		5	6
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	4.7	3.6	8.8	5.6	6.5	4.6	5.1	3.8	6.6	4.6
16	26	64.2	4.5	3.5	8.5	5.5	6.0	4.3	4.8	3.6	6.4	4.5
16	30	64.3	4.5	3.5	8.6	5.5	6.0	4.3	4.8	3.6	6.4	4.5
16	34	64.3	4.6	3.5	8.6	5.5	6.1	4.4	4.8	3.6	6.4	4.5
16	38	64.4	4.5	3.5	8.6	5.5	6.0	4.3	4.8	3.6	6.4	4.5
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	22	84.0	-1.9	-0.5	-2.3		-1.4		-1.0		-1.2	
21	26	84.0	-1.9	-0.5	-2.3		-1.4		-1.0		-1.2	
21	30	84.0	-1.9	-0.5	-2.3		-1.4		-1.0		-1.2	
21	34	84.0	-1.9	-0.5	-2.3		-1.4		-1.0		-1.2	
21	38	84.0	-1.9	-0.5	-2.3		-1.4		-1.0		-1.2	

	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	
13				1	2		3		4		5	6
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	3.4	4.0	3.0	3.7	3.5	4.1	2.2	2.9	3.7	4.3
16	25	63.6	1.3	2.1	0.5	1.3	1.5	2.3	0.0	0.8	1.5	2.3
16	29	63.7	1.3	2.1	0.5	1.3	1.5	2.3	0.0	0.8	1.5	2.3
16	33	63.7	1.3	2.1	0.5	1.3	1.5	2.3	0.0	0.8	1.5	2.3
16	37	63.8	1.4	2.2	0.5	1.3	1.6	2.4	0.1	0.9	1.5	2.3
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	
20				0	0		0		0		0	0
21	21	84.0	5.7	6.0	6.9		5.0		6.9		6.9	
21	25	84.0	5.6	6.0	6.9		4.9		6.9		6.9	
21	29	84.0	5.6	6.0	6.9		4.9		6.9		6.9	
21	33	84.0	5.6	6.0	6.9		4.9		6.9		6.9	
21	37	84.0	5.6	6.0	6.9		4.9		6.9		6.9	

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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								
	DNK08900	DNK	5.0	12.3	57.1	1.20	0.60	177	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		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	1.6	0.7	1.6	2.0	2.8	3.1	3.9	0.7	1.6	3.8	4.5							
16	16	64.4	0.7	1.6	0.7	1.6	2.0	2.8	3.1	3.9	0.7	1.6	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		E		C				
20			30		30		200		30		50		70		330		30		200		150
21	12	84.0	7.8		9.0		9.7		6.9		6.8		9.5		8.0		8.4		7.2		8.2
21	16	84.0	7.8		9.0		9.7		6.9		6.8		9.5		8.0		8.4		7.2		8.2
21	20	84.0	7.9		9.1		9.8		7.0		6.9		9.6		8.1		8.5		7.3		8.3

		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	2.8	1.8	7.6	4.2	7.7	4.3	5.8	3.5	8.1	4.4	7.5	4.2							
16	36	68.2	3.3	2.1	8.1	4.4	8.3	4.5	6.4	3.7	8.6	4.6	8.2	4.4							
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		E		C				
20			30		30		200		30		50		70		330		30		200		150
21	24	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.3	-3.4	-2.4	-3.4	-2.4	-3.4	-2.4	-3.4	-2.4	-3.4	-2.4	
21	36	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-1.1	-2.6	-2.2	-3.4	-2.4	-3.4	-2.4	-3.4	-2.4	-3.4	-2.4	-3.4	-2.4	

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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
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	11.6	10.1	7.8	7.6	8.2	7.9
16	35	66.3	7.0	6.9	12.1	10.3	13.0	10.7	8.7	8.2	9.2	8.5
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			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					

	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	8.9	9.1	5.7	6.3	12.3	11.8	12.4	11.9
16	06	67.8	6.5	7.0	9.0	9.2	5.7	6.3	12.3	11.8	12.4	11.9
16	10	67.9	6.5	7.0	9.1	9.3	5.7	6.3	12.3	11.8	12.5	12.0
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	C
21	02	84.0	8.1	9.3	9.9	7.2	7.1	9.8	8.3	8.6	7.5	8.5
21	06	84.0	8.1	9.3	9.9	7.2	7.1	9.8	8.3	8.6	7.5	8.5
21	10	84.0	8.1	9.3	9.9	7.2	7.1	9.8	8.3	8.6	7.5	8.5

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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
	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	8.3	8.1	10.3	9.5	11.1	10.1	13.9	11.6	12.4	10.8	4.4 4.9
16	26	67.5	8.1	8.0	10.0	9.4	11.4	10.3	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	5.3	6.5	7.2	4.4	4.3	7.0	5.5	5.9	4.7	5.7	
21	26	84.0	5.4	6.5	7.2	4.4	4.4	7.0	5.6	5.9	4.8	5.8	

		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		
13				1		2		3		4		5	6
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	5.4	5.4	6.9	6.6	6.0	5.9	0.3	1.0	1.2 1.8
16	07	63.4	3.8	4.1	5.5	5.5	7.0	6.7	6.0	5.9	0.3	1.0	1.2 1.8
16	11	63.4	3.9	4.2	5.5	5.5	7.1	6.7	6.0	5.9	0.4	1.1	1.2 1.8
16	15	63.5	3.9	4.2	5.6	5.6	7.1	6.7	6.1	6.0	0.4	1.1	1.2 1.8
16	19	63.5	3.9	4.2	5.6	5.6	7.1	6.7	6.1	6.0	0.4	1.1	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	2.6	2.8	2.5	4.2	2.4	3.0					
21	07	84.0	2.6	2.8	2.5	4.2	2.4	3.0					
21	11	84.0	2.6	2.8	2.5	4.2	2.4	3.0					
21	15	84.0	2.6	2.8	2.6	4.2	2.4	3.1					
21	19	84.0	2.6	2.8	2.6	4.2	2.4	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
	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	A887	A882	1			
13			1	2	3	4	5	6					
14			30.0	32.5	24.0	20.0	16.8	18.2					
15			-22.1	-27.0	-23.0	-25.0	-28.0	-34.2					
16	21	64.1	0.0	-4.3	3.3	-3.6	4.6	-3.4	9.1	-3.0	10.9	-2.9	10.2
16	25	64.2	-1.1	-5.1	2.0	-4.3	-1.7	-5.3	-1.9	-5.3	-1.0	-5.0	2.8
16	29	64.1	-1.1	-5.1	2.0	-4.3	-1.7	-5.3	-1.9	-5.3	-1.0	-5.0	2.8
16	33	64.2	-1.1	-5.1	2.0	-4.3	-1.7	-5.3	-1.8	-5.3	-1.0	-5.0	2.9
16	37	64.3	-1.1	-5.1	2.0	-4.3	-1.7	-5.3	-1.9	-5.3	-1.0	-5.0	2.8
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			N	K	E	E	E	D	D	K	K	C	
20			0	0	0	0	0	0	0	0	0	0	
21	21	84.0	-6.3	-5.6	-5.8	-5.8	-5.9	-6.3	-6.5	-5.7	-3.9	-12.8	
21	25	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	
21	29	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	
21	33	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	
21	37	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	

		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		
13			1	2	3	4	5	6					
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	10.2	9.2	9.1	8.5	6.7	6.7	7.5	7.3	11.7	10.1	10.9
16	31	66.4	10.2	9.2	8.5	8.1	6.4	6.5	7.3	7.2	12.0	10.3	11.1
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
17			-23.0	-16.0	-6.2	-6.8	-18.8	-29.3					
18			66.5	66.5	62.3	61.5	63.4	65.5					
19			A	A	G	G	A	A					
20			0	0	0	0	0	0					
21	23	84.0	3.7	3.6	3.6	4.1	6.0	4.7					
21	31	84.0	3.8	3.6	3.6	4.2	6.1	4.7					
21	39	84.0	3.7	3.6	3.6	4.1	6.0	4.7					

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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
	LS030500	LS0	5.0	27.8	-29.8	0.66	0.60	36	A883	A884	1		
13													
14													
15													
16	24	64.2	3.5	3.3	1.5	1.7	1.3	1.5	3.6	3.4	2.1	2.2	
16	28	64.2	3.9	3.6	1.9	2.0	1.7	1.9	4.0	3.7	2.6	2.6	
16	32	64.3	3.9	3.6	1.9	2.0	1.7	1.9	4.0	3.7	2.6	2.6	
16	36	64.3	3.2	3.1	1.2	1.5	1.0	1.3	3.3	3.2	1.8	2.0	
16	40	64.4	5.1	5.3	3.1	3.6	2.8	3.3	5.1	5.3	3.6	4.1	
17													
18													
19													
20													
21	24	84.0	2.6	-0.1	-0.5		2.9		0.7				
21	28	84.0	2.6	-0.1	-0.5		2.9		0.7				
21	32	84.0	2.6	-0.1	-0.5		2.9		0.7				
21	36	84.0	2.6	-0.1	-0.5		2.9		0.7				
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	64.1	1.84	0.88	10	A883	A884	2		
13													
14													
15													
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	9.7	12.2	10.7	14.3	11.8	9.2	8.8	9.4	8.9	11.1 10.1
17													
18													
19													
20													
21	14	84.0	8.0	9.1	9.8	7.1	7.0	9.7	8.2	8.5	7.4	8.4	
21	18	84.0	8.0	9.2	9.8	7.1	7.0	9.7	8.2	8.5	7.4	8.4	
21	38	84.0	5.3	6.4	7.1	4.4	4.3	7.0	5.5	5.8	4.7	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
	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	
13				1	2	3	4					6
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
16	32	66.9	7.6	4.2	6.3	3.7	6.6	3.8	5.6	3.4	2.3	1.5
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			0	0	0	0	0	0	0	0	0	0
21	28	84.0	-2.8	-1.7	-1.0	-3.7	-3.8	-1.1	-2.6	-2.3	-3.4	-2.4
21	32	84.0	-2.8	-1.7	-1.0	-3.8	-3.8	-1.1	-2.6	-2.3	-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	
13				1	2	3	4					6
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	4.2	2.3	3.1	4.6	5.3	3.8	4.5	3.8	4.5
16	08	67.1	3.4	4.2	2.3	3.1	4.6	5.3	3.8	4.5	3.8	4.5
16	34	67.4	4.5	5.0	7.1	7.2	8.8	8.5	13.1	11.3	11.8	10.6
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	04	84.0	7.9	9.1	9.8	7.0	6.9	9.6	8.1	8.4	7.3	8.3
21	08	84.0	7.9	9.1	9.8	7.0	6.9	9.6	8.1	8.4	7.3	8.3
21	34	84.0	5.5	6.7	7.4	4.6	4.5	7.2	5.7	6.1	4.9	5.9

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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
S	13900	S	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	
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	7.8	10.5	9.6	9.4	8.9
16	40	68.2	6.8	3.9	6.3	3.7	8.3	4.5	6.9	4.0	8.5	4.5
17			12.5		10.0		10.8		6.0		23.6	
18			55.7		57.5		60.1		62.5		70.7	
19			E		E		G		J		C	
20			0		0		0		0		0	
21	30	84.0	5.2	6.4	7.0	4.3	4.2		6.9		5.4	5.7
21	40	84.0	-2.8	-1.6	-0.9	-3.7	-3.8		-1.1		-2.5	-2.2

	1	2	3	4	5	6	7	8	9	10	11	12
TUR	14500	TUR	5.0	34.4	38.9	2.68	1.04	168	A883	A884	1	
13			1		2		3		4		5	6
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	3.4	7.1	7.3	3.7	4.3	0.6	1.4	-1.7	-0.8
16	05	63.8	0.3	1.1	6.3	6.4	3.2	3.7	0.4	1.2	-1.8	-0.9
16	09	63.8	0.3	1.1	6.3	6.4	3.2	3.7	0.4	1.2	-1.8	-0.9
16	13	63.9	0.3	1.1	6.4	6.5	3.3	3.8	0.4	1.2	-1.8	-0.9
16	17	63.9	0.3	1.1	6.5	6.6	3.3	3.8	0.5	1.3	-1.6	-0.8
17			44.8		44.8		36.2		29.8		27.4	
18			39.7		37.2		35.9		36.2		36.7	
19			K		K		K		K		L	
20			0		0		0		0		0	
21	01	84.0	5.6	5.3	6.3	5.9	5.7	6.0	5.6	6.2	5.5	6.1
21	05	84.0	4.1	3.8	4.8	4.4	4.2	4.5	4.1	4.7	4.0	4.6
21	09	84.0	4.1	3.8	4.8	4.4	4.2	4.5	4.1	4.7	4.0	4.6
21	13	84.0	4.2	3.8	4.9	4.5	4.3	4.6	4.2	4.7	4.0	4.7
21	17	84.0	4.2	3.9	4.9	4.5	4.3	4.6	4.2	4.8	4.0	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
	BDI27000	BDI	11.0	29.9	-3.1	0.71	0.60	80	A883	A884	2	
13												
14												
15												
16	22	63.4	3.8	3.6	3.3	3.2	3.3	3.2	3.6	3.5		
16	26	63.4	3.8	3.6	3.3	3.2	3.3	3.2	3.6	3.5		
16	30	63.5	3.8	3.6	3.3	3.2	3.3	3.2	3.6	3.5		
16	34	63.5	3.8	3.6	3.3	3.2	3.3	3.2	3.6	3.5		
16	38	63.6	3.3	3.3	2.8	2.9	2.8	2.9	3.3	3.3		
17												
18												
19												
20												
21	22	84.0	0.6	1.5	-0.1							
21	26	84.0	0.6	1.5	-0.1							
21	30	84.0	0.6	1.5	-0.1							
21	34	84.0	0.6	1.5	-0.1							
21	38	84.0	0.6	1.6	0.0							

	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	
13												
14												
15												
16	24	63.3	-0.1	0.4	3.1	3.2	-0.2	0.3	2.1	2.3	0.6	1.1
16	28	63.4	0.0	0.5	3.3	3.3	-0.1	0.4	2.4	2.6	2.2	2.4
16	32	63.4	0.0	0.5	3.3	3.3	-0.1	0.4	2.4	2.6	2.2	2.4
16	36	63.5	0.0	0.5	3.3	3.3	-0.1	0.4	2.4	2.6	2.2	2.4
16	40	63.5	1.0	1.6	3.9	4.1	0.2	0.9	2.8	3.2	2.7	3.1
17												
18												
19												
20												
21	24	84.0	1.7	0.8	1.3	0.6	1.0	2.2	1.5	0.3	0.9	1.5
21	28	84.0	1.7	0.8	1.3	0.6	1.1	2.2	1.5	0.3	0.9	1.6
21	32	84.0	1.7	0.8	1.3	0.6	1.1	2.2	1.5	0.3	0.9	1.6
21	36	84.0	1.7	0.8	1.3	0.6	1.1	2.2	1.5	0.3	0.9	1.6
21	40	84.0	3.4	2.4	3.0	2.3	2.7	3.8	3.1	2.0	2.5	3.2

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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
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	A882	2		
13			1		2		3		4		5	
14			34.5		36.1		38.1		38.3		35.0	
15			29.1		29.0		30.3		33.3		34.0	
16	23	63.1	1.1	1.3	0.5	0.8	-1.3	-0.8	-1.7	-1.2	-1.6	-1.1
16	27	63.1	0.9	1.1	0.3	0.6	-1.4	-0.9	-3.2	-2.5	-3.6	-2.9
16	31	63.2	0.9	1.1	0.3	0.6	-1.4	-0.9	-3.2	-2.5	-3.6	-2.9
16	35	63.2	0.9	1.1	0.3	0.6	-1.4	-0.9	-3.2	-2.5	-3.6	-2.9
16	39	63.3	0.3	0.6	-0.1	0.2	-1.7	-1.2	-3.3	-2.6	-3.7	-3.0
17			35.8		35.1		36.0		35.0		39.0	
18			32.0		29.5		32.6		32.0		32.5	
19			E		E		E		E		C	
20			0		0		0		0		0	
21	03	84.0	4.1	1.6	3.1	3.2	-1.2	-1.2	-0.2	-0.2		
21	07	84.0	4.1	1.6	3.1	3.2	-1.2	-1.2	-0.2	-0.2		
21	11	84.0	4.1	1.6	3.1	3.2	-1.2	-1.2	-0.2	-0.2		
21	15	84.0	4.1	1.6	3.1	3.2	-1.2	-1.2	-0.2	-0.2		
21	19	84.0	4.1	1.6	3.1	3.2	-1.2	-1.2	-0.2	-0.2		

	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	A882	1		
13			1		2		3		4		5	
14			41.9		41.6		39.2		33.9		34.0	
15			3.9		-1.6		-4.7		-1.0		4.2	
16	21	63.7	10.0	7.5	12.0	8.3	11.9	8.3	6.9	5.9	9.2	7.1
16	25	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.7	6.2	9.1	6.0
16	29	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0
16	33	63.9	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0
16	37	63.9	8.5	5.7	11.1	6.6	11.7	6.7	9.1	5.9	8.4	5.6
17			36.5		40.1		35.3		38.0			
18			-0.9		-3.1		0.5		2.7			
19			J		J		K		J			
20			0		0		0		0			
21	21	84.0	1.6	0.1	1.0	2.2						
21	25	84.0	-0.4	-1.9	-1.0	0.2						
21	29	84.0	-0.4	-1.9	-1.0	0.2						
21	33	84.0	-0.4	-1.9	-1.0	0.2						
21	37	84.0	-0.6	-2.0	-1.1	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
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	2		
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	1.1	0.0	0.4	0.9	1.1	-0.3	0.1		
16	07	61.7	0.9	1.2	0.0	0.4	0.9	1.2	-0.3	0.2		
16	11	61.7	0.9	1.2	0.0	0.4	0.9	1.2	-0.3	0.2		
16	15	61.8	0.9	1.2	0.0	0.4	1.0	1.3	-0.3	0.2		
16	19	61.8	0.9	1.2	0.0	0.4	0.9	1.2	-0.3	0.2		
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	23	84.0	0.7	-1.0	0.7	-0.9						
21	27	84.0	1.2	-0.5	1.2	-0.4						
21	31	84.0	1.2	-0.5	1.2	-0.4						
21	35	84.0	1.2	-0.5	1.2	-0.4						
21	39	84.0	1.3	-0.4	1.3	-0.4						

	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	2		
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	0.0	0.5	0.9	1.4	2.4	2.6	0.9	1.4	1.9	2.2
16	08	64.9	0.0	0.5	0.9	1.4	2.5	2.7	0.9	1.4	1.9	2.2
16	12	64.9	0.1	0.6	0.9	1.4	2.5	2.7	0.9	1.4	2.0	2.3
16	16	65.0	0.1	0.6	0.9	1.4	2.5	2.7	0.9	1.4	2.0	2.3
16	20	65.0	0.0	0.5	0.9	1.3	2.4	2.6	0.7	1.2	1.8	2.1
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			
20			0		0		0		0			
21	04	84.0	0.6	1.4	3.6	0.8			2.5			
21	08	84.0	0.6	1.4	3.6	0.8			2.5			
21	12	84.0	0.6	1.4	3.6	0.8			2.5			
21	16	84.0	0.6	1.4	3.6	0.8			2.5			
21	20	84.0	0.5	1.2	3.5	0.7			2.3			

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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
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	1			
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	4.2	3.0	3.9	2.8	2.3	1.8	1.9	1.5	1.5	1.2
16	26	63.3	3.7	2.7	4.1	2.9	2.2	1.7	1.7	1.3	1.4	1.1
16	30	63.3	3.7	2.7	4.2	3.0	2.2	1.7	1.8	1.4	1.4	1.1
16	34	63.4	4.2	3.0	4.2	3.0	2.3	1.8	1.8	1.4	1.4	1.1
17			42.2		41.0		36.9		35.6		35.9	38.3
18			37.2		34.3		32.4		33.0		35.7	37.0
19			K		K		E		E		K	K
20			0		0		0		0		0	0
21	22	84.0	-3.0	-2.0	-2.3	-1.9	-1.9	-1.9	-1.8	-1.8		
21	26	84.0	-3.0	-2.0	-2.3	-1.9	-1.9	-1.9	-1.8	-1.8		
21	30	84.0	-3.0	-2.0	-2.3	-1.9	-1.9	-1.9	-1.8	-1.8		
21	34	84.0	-3.0	-2.0	-2.3	-1.9	-1.9	-1.9	-1.8	-1.8		

	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	1			
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	1.8	1.4	0.8	2.0	1.2	1.4	0.8	0.0	-0.2
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		E		K	K
20			0		0		0		0		0	0
21	38	84.0	-3.8	-3.5	-2.1	-2.3	-4.0	-4.0	-2.5	-2.5		

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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
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	1		
13			1		2		3		4		5	
14			30.5		34.0		40.0		40.0		35.0	
15			-1.0		-1.0		-5.0		-10.5		-11.5	
16	23	63.7	2.8	0.4	4.7	1.1	8.1	2.0	9.1	2.2	5.6	1.4
16	27	63.8	2.8	0.4	4.8	1.2	8.2	2.1	9.3	2.3	5.7	1.5
16	31	63.8	2.8	0.4	4.8	1.2	8.2	2.1	9.3	2.3	5.7	1.5
16	35	63.9	2.8	0.4	4.8	1.2	8.2	2.1	9.3	2.3	5.7	1.5
16	39	63.9	2.7	0.3	4.6	1.1	8.0	2.0	9.0	2.2	5.6	1.4
17			30.5		34.0		40.0		40.0		35.0	
18			-1.0		-1.0		-5.0		-10.5		-11.5	
19			K		K		J		J		K	
20			0		0		0		0		0	
21	23	84.0	-6.4	-6.2	-7.0	-6.2	-6.2	-6.5	-6.5	-5.6		
21	27	84.0	-6.4	-6.2	-7.0	-6.2	-6.2	-6.5	-6.5	-5.6		
21	31	84.0	-6.4	-6.2	-7.0	-6.2	-6.2	-6.5	-6.5	-5.6		
21	35	84.0	-6.4	-6.2	-7.0	-6.2	-6.2	-6.5	-6.5	-5.6		
21	39	84.0	-6.4	-6.3	-7.0	-6.2	-6.2	-6.5	-6.5	-5.6		

	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	A887	A882	1		
13			1		2		3		4		5	
14			34.0		31.2		30.0		29.8		33.8	
15			4.3		3.7		0.7		-1.3		-1.0	
16	03	63.3	5.8	2.8	7.3	3.3	5.5	2.7	1.3	0.4	3.0	1.5
16	07	63.3	5.8	2.8	7.3	3.3	5.5	2.7	1.3	0.4	2.9	1.4
16	11	63.3	5.8	2.8	7.3	3.3	5.5	2.7	1.3	0.4	2.9	1.4
16	15	63.4	5.8	2.8	7.3	3.3	5.5	2.7	1.3	0.4	2.9	1.4
16	19	63.4	5.8	2.8	7.3	3.3	5.5	2.7	1.3	0.4	2.9	1.4
17			34.0		31.2		30.0		29.8		33.8	
18			4.3		3.7		0.7		-1.3		-1.0	
19			K		K		K		K		K	
20			0		0		0		0		0	
21	03	84.0	-4.9	-5.0	-3.9	-5.0	-5.0	-5.0	-4.0			
21	07	84.0	-4.9	-5.0	-3.9	-5.0	-5.0	-5.0	-4.0			
21	11	84.0	-4.9	-5.0	-3.9	-5.0	-5.0	-5.0	-4.0			
21	15	84.0	-4.9	-5.0	-3.9	-5.0	-5.0	-5.0	-4.0			
21	19	84.0	-4.9	-5.0	-3.9	-5.0	-5.0	-5.0	-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
	YEM26600	YEM	11.0	44.3	15.1	1.14	0.70	109	A883	A884	1	
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	2.2	0.6	0.5	0.1	0.1	5.2	3.6	3.3	2.4
16	06	62.7	3.0	2.2	0.6	0.5	0.1	0.1	5.2	3.6	3.3	2.4
16	10	62.7	3.0	2.2	0.6	0.5	0.1	0.1	5.2	3.6	3.3	2.4
16	14	62.8	3.1	2.3	0.7	0.6	0.1	0.1	5.2	3.6	3.3	2.4
16	18	62.8	3.0	2.2	0.6	0.5	0.1	0.1	5.2	3.6	3.3	2.4
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	-3.0		0.1		-1.2					
21	06	84.0	-3.0		0.1		-1.2					
21	10	84.0	-3.0		0.1		-1.2					
21	14	84.0	-3.0		0.1		-1.2					
21	18	84.0	-3.0		0.1		-1.2					

	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	
13				1		2		3		4		5
14				43.2		45.5		49.5		52.6		53.7
15				12.4		15.0		18.4		16.6		12.2
16	01	62.8	5.5	5.3	6.6	6.1	4.8	4.8	6.3	5.9	7.3	6.6
16	05	62.9	3.3	2.6	4.2	3.2	2.6	2.1	4.5	3.4	5.0	3.7
16	09	62.9	3.3	2.6	4.2	3.2	2.6	2.1	4.5	3.4	5.0	3.7
16	13	63.0	3.3	2.6	4.2	3.2	2.6	2.1	4.5	3.4	5.1	3.8
16	17	63.0	3.4	2.7	4.2	3.2	2.6	2.1	4.6	3.5	5.2	3.8
17			43.2		45.5		49.5		52.6		53.7	
18			12.4		15.0		18.4		16.6		12.2	
19			E		C		C		C		E	
20			0		0		0		0		0	
21	01	84.0	2.1		4.7		3.5		4.2		1.5	
21	05	84.0	-1.8		0.8		-0.4		0.4		-2.4	
21	09	84.0	-1.8		0.8		-0.4		0.4		-2.4	
21	13	84.0	-1.8		0.8		-0.4		0.4		-2.4	
21	17	84.0	-1.8		0.8		-0.4		0.4		-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
ARS00300	ARS	17.0 44.6	41.1 23.4	23.8 4.21	3.52 4.21	1.68 2.48	134 145	A883 A887	A884 A882	2 2	
13		1		2		3		4		5	6
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	0.7	3.0	3.9	4.3	5.2	-0.1	0.8	4.1
16	08	62.7	-0.2	0.7	3.0	3.9	4.3	5.2	-0.1	0.8	4.2
16	12	62.7	-0.2	0.7	3.0	3.9	4.4	5.2	-0.1	0.8	4.2
16	16	62.8	-0.2	0.7	3.0	3.9	4.4	5.3	-0.1	0.8	4.2
16	20	62.8	-0.2	0.5	3.0	3.5	4.6	4.9	-0.3	0.5	8.0
17		39.2		34.4		37.0		40.0		48.5	50.2
18		21.5		28.1		30.0		32.0		28.5	26.3
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	11.5	10.1	10.5	10.1	10.9	11.2	10.1	10.3	10.6
21	08	84.0	11.5	10.1	10.5	10.1	10.8	11.2	10.0	10.3	10.5
21	12	84.0	11.3	10.0	10.3	10.0	10.7	11.0	9.9	10.1	10.4
21	16	84.0	11.5	10.1	10.5	10.1	10.9	11.2	10.1	10.3	10.6
21	20	84.0	4.4	3.0	3.4	3.0	3.8	4.1	3.0	3.2	3.5

1	2	3	4	5	6	7	8	9	10	11	12
ARS27500	ARS	17.0 44.6	48.3 23.4	24.6 4.21	3.84 4.21	1.20 2.48	138 145	A883 A887	A884 A882	2 2	
13		1		2		3		4		5	6
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	8.2	11.0	9.6	2.6	3.2	1.6	2.2	3.6
16	06	62.9	8.8	8.2	11.0	9.6	2.6	3.2	1.6	2.2	3.6
16	10	62.9	8.9	8.3	11.1	9.6	2.7	3.2	1.6	2.2	3.6
16	14	63.0	9.0	8.3	11.3	9.8	7.3	7.1	1.8	2.4	6.7
16	18	63.0	8.9	8.3	11.1	9.6	3.9	4.3	1.8	2.4	4.9
17		39.2		34.4		37.0		40.0		48.5	50.2
18		21.5		28.1		30.0		32.0		28.5	26.3
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	4.8	3.4	3.8	3.4	4.1	4.5	3.3	3.6	3.8
21	06	84.0	4.7	3.4	3.8	3.4	4.1	4.5	3.3	3.6	3.8
21	10	84.0	4.7	3.4	3.8	3.4	4.1	4.5	3.3	3.6	3.8
21	14	84.0	4.8	3.4	3.8	3.4	4.1	4.5	3.3	3.6	3.8
21	18	84.0	4.7	3.4	3.7	3.4	4.1	4.4	3.3	3.5	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
	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	1				
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	1.1	1.3	4.2	3.7	4.6	4.0	5.1	4.4	4.8	4.2	4.7
17				39.2		34.4		37.0		40.0		48.5		50.2
18				21.5		28.1		30.0		32.0		28.5		26.3
19				A		C		C		E		C		C
20				0		0		0		0		0		C
21		23	84.0	0.6	-0.7	-0.3	-0.7	0.0	0.3	-0.8	-0.6	-0.6	-0.3	-0.8

		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	0.60	0	A887	A882	1			
13					1									
14					52.3									
15					24.4									
16		27	60.8	-3.1	-2.2									
16		31	60.9	-3.1	-2.2									
16		35	61.0	-3.1	-2.2									
16		39	61.0	-3.1	-2.2									
17					50.5									
18					26.1									
19					C									
20					0									
21		27	84.0	5.3										
21		31	84.0	5.3										
21		35	84.0	5.3										
21		39	84.0	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
	KWT11300	KWT	17.0	47.6	29.2	0.68	0.60	145	A883	A884	2	
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						
21	26	84.0	3.8	5.0	5.6	4.5						
21	30	84.0	3.8	5.0	5.6	4.5						
21	34	84.0	3.8	5.0	5.6	4.5						
21	38	84.0	3.8	5.0	5.6	4.5						

	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	
13			1		2		3		4		5	
14			52.0		53.0		58.0		60.0		56.0	
15			19.0		17.0		19.0		22.5		26.5	
16	24	63.3	3.6	3.0	5.8	4.3	5.0	3.9	2.5	2.2	0.0	0.2
16	28	63.3	4.5	4.1	6.7	5.5	7.7	6.1	4.6	4.1	0.0	0.4
16	32	63.4	4.5	4.1	6.7	5.5	7.7	6.1	4.6	4.1	0.0	0.4
16	36	63.4	4.5	4.1	6.7	5.5	7.7	6.1	4.6	4.1	0.0	0.4
16	40	63.5	5.4	5.8	7.4	7.5	8.7	8.5	5.9	6.2	0.0	0.8
17			53.1		51.5		52.0		58.0		55.0	
18			16.4		18.3		19.0		19.0		20.0	
19			C		C		C		E		C	
20			0		0		0		0		0	
21	24	84.0	-0.8	-2.0	-1.1	-0.1	2.4	-1.8	2.0	0.3	-0.7	
21	28	84.0	0.8	-0.4	0.5	1.5	3.9	-0.3	3.6	1.9	0.8	
21	32	84.0	0.8	-0.4	0.5	1.5	3.9	-0.3	3.6	1.9	0.8	
21	36	84.0	0.8	-0.4	0.5	1.5	3.9	-0.3	3.6	1.9	0.8	
21	40	84.0	6.0	4.8	5.7	6.7	9.2	5.0	8.8	7.1	6.1	

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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
	UAE27400	UAE	17.0	53.6	24.2	0.98	0.80	162	A883	A884	1	
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	8.1	6.8	10.0	7.8	9.2	7.4
16	25	63.2	6.0	5.2	6.3	5.4	4.5	4.2	6.2	5.3	5.5	4.9
16	29	63.3	5.9	5.1	6.2	5.3	4.5	4.2	6.1	5.3	5.4	4.8
16	33	63.3	5.9	5.1	6.2	5.3	4.5	4.2	6.1	5.3	5.4	4.8
16	37	63.4	5.9	5.1	6.2	5.3	4.5	4.2	6.1	5.3	5.4	4.8
17			52.3		50.8		51.9		55.1		56.4	56.6
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	1.0	2.3
21	25	84.0	2.0	1.3	1.4	-0.1	1.7		1.4	0.6	0.2	1.5
21	29	84.0	2.0	1.3	1.4	-0.1	1.7		1.4	0.6	0.2	1.5
21	33	84.0	2.0	1.3	1.4	-0.1	1.7		1.4	0.6	0.2	1.5
21	37	84.0	2.0	1.3	1.4	-0.1	1.7		1.4	0.6	0.2	1.5

	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	
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		55.4	55.6
16	21	64.8	4.3	1.1	3.0	0.6	4.0	1.0	6.7	1.9	5.4	1.5
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	84.0	-6.8	-6.7	-6.5	-6.4	-5.1					

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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
	BLR06201	URS	23.0 24.8	27.8 56.7	52.6 2.00	1.08 2.00	0.72 2.00	1 0	A883 A887	A884 A882	2 1	
13				1	2							
14				23.5	23.4							
15				53.9	51.5							
16	25	64.9	5.3	1.8	3.6	1.1	4.6	1.5	7.9	2.6	7.7	2.5
17			37.5	35.0	30.3							
18			69.3	56.9	49.0							
19			C	E	K							
20			0	0	0							
21	25	84.0	-6.3	-6.0	-5.8							

	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 0.60	0 0	A883 A887	A884 A882	1 2	
13				1	2							
14				43.5	41.9							
15				12.5	10.8							
16	21	62.5	0.6	1.3	-0.1	0.7	0.3	1.0	1.2	1.9	1.1	1.8
16	25	62.6	0.8	1.5	-0.1	0.7	0.3	1.1	1.3	2.0	1.2	1.9
16	29	62.6	-0.1	0.7	-0.8	0.0	-0.3	0.5	0.5	1.3	0.3	1.1
16	33	62.7	-0.1	0.7	-0.8	0.0	-0.3	0.5	0.5	1.3	0.3	1.1
16	37	62.7	-0.1	0.7	-0.8	0.0	-0.3	0.5	0.5	1.3	0.3	1.1
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	3.5	4.8	4.7	5.0	4.7	6.2				
21	25	84.0	4.0	5.3	5.2	5.5	5.2	6.7				
21	29	84.0	3.9	5.3	5.2	5.4	5.1	6.6				
21	33	84.0	3.9	5.3	5.2	5.4	5.1	6.6				
21	37	84.0	3.9	5.3	5.2	5.4	5.1	6.6				

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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
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			
13			1		2		3		4		5	
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	1.6	5.0	1.8	7.8	2.6	5.9	2.1	7.0	2.4
16	07	62.4	4.5	1.6	5.0	1.8	7.8	2.6	5.9	2.1	7.0	2.4
16	11	62.4	4.5	1.6	5.0	1.8	7.8	2.6	5.9	2.1	7.0	2.4
16	15	62.5	4.5	1.6	5.0	1.8	7.9	2.6	6.0	2.1	7.0	2.4
16	19	62.6	7.3	2.6	8.2	2.8	10.1	3.1	7.3	2.6	10.0	3.1
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	03	84.0	-6.2	-5.9	-4.4	-4.4	-5.5	-5.5	-4.0	-4.0		
21	07	84.0	-6.2	-5.9	-4.4	-4.4	-5.5	-5.5	-4.0	-4.0		
21	11	84.0	-6.2	-5.9	-4.4	-4.4	-5.5	-5.5	-4.0	-4.0		
21	15	84.0	-6.2	-5.9	-4.4	-4.4	-5.5	-5.5	-4.0	-4.0		
21	19	84.0	-6.1	-5.8	-4.3	-4.3	-5.4	-5.4	-3.9	-3.9		

	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		
		29.5	51.4	2.00	2.00	0.0	0	A887	A882	1		
13			1		2		3		4		5	
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	1.4	9.4	3.0	0.0	-0.8	4.0	1.4	7.9	2.7
16	33	64.7	4.1	1.4	9.4	3.0	0.0	-0.8	4.0	1.4	7.9	2.7
16	37	64.7	4.1	1.4	9.3	3.0	0.0	-0.8	4.0	1.4	7.9	2.7
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	29	84.0	-5.6	-6.1	-6.0	-5.8						
21	33	84.0	-5.6	-6.1	-6.0	-5.8						
21	37	84.0	-5.6	-6.1	-6.0	-5.8						

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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
	URS05900	URS	23.0 47.2	36.0 40.9	47.0 2.00	3.70 2.00	1.43 2.00	153 0	A883 A887	A884 A882	2 1	
13				1		2		3		4		5
14				22.0		19.9		22.0		27.9		28.7
15				48.4		55.0		58.9		59.4		45.2
16	27	65.2	-1.2 52.5	-0.2 57.8	5.6 56.0	6.4 41.5	6.1 43.9	6.9 9.0	8.3 9.0	2.9 3.8	6.9 7.6	48.8 38.4
17				50.0		47.6		41.5		46.6		
18				E		E		C		E		
19				0		0		0		0		
20												
21	27	84.0	10.1	10.2	10.3	10.3						

	1	2	3	4	5	6	7	8	9	10	11	12
	URS05901	URS	23.0 29.5	36.0 51.4	47.0 2.00	3.70 2.00	1.43 2.00	153 0	A883 A887	A884 A882	2 2	
13				1		2		3		4		5
14				22.0		19.9		22.0		27.9		28.7
15				48.4		55.0		58.9		59.4		45.2
16	31	65.2	-1.2 33.0	-0.2 39.7	5.7 38.6	6.7 34.1	6.2 7.2	7.2 9.4	8.4 9.4	2.9 3.9	6.9 7.9	48.8 38.4
17				63.2		60.5		51.7		44.8		
18				C		C		E		K		
19				0		0		0		0		
20												
21	31	84.0	19.7	19.1	19.3	19.5						

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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
	URS05902	URS	23.0	36.0	47.0	3.70	1.43	153	A883	A884	2	
13				1		2		3		4		5
14				22.0		19.9		22.0		27.9		28.7
15				48.4		55.0		58.9		59.4		45.2
16	35	65.3	-1.2	-0.2	5.7	6.7	6.1	7.1	8.8	9.8	2.9	3.9
16	39	65.3	-1.3	-0.3	5.9	6.9	6.3	7.3	8.7	9.7	2.9	3.9
17			61.6		48.9		41.2		34.5		29.3	
18			69.3		56.5		48.4		45.5		48.0	
19			A		C		E		K		K	
20			0		0		0		0		0	
21	35	84.0	19.4		19.7		19.9		20.0		20.0	
21	39	84.0	19.3		19.6		19.9		20.0		19.9	

	1	2	3	4	5	6	7	8	9	10	11	12
	URS06000	URS	23.0	41.5	57.4	3.08	1.56	153	A883	A884	1	
13				1		2		3		4		5
14				28.3		27.7		32.7		39.1		43.6
15				68.9		60.5		53.2		49.8		53.3
16	04	66.7	-0.3	0.0	2.9	2.6	8.7	6.0	10.2	6.6	8.6	6.0
16	08	66.8	-0.3	0.0	2.9	2.6	8.8	6.1	10.2	6.6	8.7	6.0
16	12	66.9	5.8	4.6	4.9	4.0	8.8	6.1	10.3	6.7	8.7	6.0
16	16	66.9	5.9	4.6	5.0	4.1	8.9	6.1	10.4	6.7	8.9	6.1
17			61.6		48.9		41.2		34.5		29.3	
18			69.3		56.5		48.4		45.5		48.0	
19			A		C		E		K		K	
20			0		0		0		0		0	
21	04	84.0	-1.5	-1.2	-1.0	-0.9	-0.9	-0.9	-1.1	-1.1	-1.4	
21	08	84.0	-1.5	-1.2	-1.0	-0.9	-0.9	-0.9	-1.1	-1.1	-1.4	
21	12	84.0	-1.5	-1.2	-0.9	-0.8	-0.9	-0.9	-1.1	-1.1	-1.3	
21	16	84.0	-1.5	-1.2	-1.0	-0.9	-0.9	-0.9	-1.1	-1.1	-1.4	

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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
URS06100	URS	23.0 24.8	24.7 56.6 56.7	56.6 2.00	0.88 2.00	0.64 2.00	12 0	A883 A887	A884 A882	2 1	
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 -0.4	0.6 -0.7	0.5 -0.8	0.9 -0.6	1.9 0.0	0.0	-1.1		
16	07	65.1	1.2 -0.4	0.7 -0.7	0.5 -0.8	1.0 -0.5	1.9 0.0	0.0	-1.1		
16	15	65.2	1.4 -0.3	0.8 -0.6	0.6 -0.7	1.2 -0.4	2.3 0.2	0.0	-1.1		
16	19	65.2	2.1 0.1	1.3 -0.3	1.1 -0.4	1.1 -0.4	2.5 0.3	0.6	-0.7		
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	84.0	-6.9	-6.6	-6.4						
21	07	84.0	-6.9	-6.6	-6.4						
21	15	84.0	-6.9	-6.6	-6.4						
21	19	84.0	-6.9	-6.6	-6.4						
21	23	84.0	-11.2	-10.9	-10.7						

1	2	3	4	5	6	7	8	9	10	11	12
URS06101	URS	23.0 29.5	24.7 51.4	56.6 2.00	0.88 2.00	0.64 2.00	12 0	A883 A887	A884 A882	2 1	
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	11	65.1	1.3 -0.3	0.7 -0.6	0.6 -0.7	1.1 -0.4	2.0 0.1	0.0	-1.0		
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	84.0	-6.2	-6.8	-6.6	-6.5					

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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
	URS06400	URS	23.0	45.6	40.8	2.16	0.60	163	A883	A884	2	
13			1		2		3		4		5	6
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	2.4	2.1	3.1	3.1	4.0	1.3	2.3	1.5	2.5
16	05	63.9	0.6	1.4	1.2	2.0	2.1	2.8	0.5	1.3	0.5	1.3
16	09	64.0	0.6	1.4	1.2	2.0	2.1	2.8	0.5	1.3	0.5	1.3
16	13	64.1	0.6	1.4	1.2	2.0	2.1	2.8	0.5	1.3	0.5	1.3
16	17	64.1	0.7	1.5	1.4	2.2	2.5	3.2	0.6	1.4	0.6	1.4
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	84.0	12.9	12.9	13.0	13.1						
21	05	84.0	4.7	4.7	4.8	4.8						
21	09	84.0	4.7	4.7	4.8	4.8						
21	13	84.0	4.5	4.5	4.6	4.6						
21	17	84.0	4.8	4.8	4.9	4.9						

	1	2	3	4	5	6	7	8	9	10	11	12
	URS064X0	URS	23.0	45.6	40.8	2.16	0.60	163	A883	A884	1	
13			1		2		3		4		5	6
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
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	84.0	-11.4	-11.4	-11.3	-11.3						

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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
	URS06500	URS	23.0	32.4	63.1	1.18	0.60	175	A883	A884	1	
13												
14												
15												
16	20	66.6	4.5	3.0	6.1	3.8	6.8	4.1	5.2	3.3	4.6	3.0
17												
18												
19												
20												
21	20	84.0	-3.5	-3.2	-3.0	-2.9	-2.9	-2.9	-3.1	-3.1	-3.4	

	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	
13												
14												
15												
16	03	63.1	5.6	6.3	5.4	6.1	7.5	8.1	8.1	8.6	8.2	8.7
16	07	63.1	5.5	6.2	5.3	6.0	7.5	8.1	8.1	8.6	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
16	15	63.3	5.6	6.3	5.3	6.0	7.5	8.1	8.1	8.6	8.2	8.8
17												
18												
19												
20												
21	03	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3		
21	07	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3		
21	11	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3		
21	15	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3		

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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
	MAU24200	MAU	29.0	59.8	-18.9	1.62	1.24	55	A883	A884	1		
13			1		2		3		4		5		6
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
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
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
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
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
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		
20			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				

		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		
13			1		2		3		4		5		6
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
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
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
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
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		
20			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				

MARGE DE 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 46.6	-18.8 -18.8	2.72 2.72	1.14 1.14	65 65	A883 A887	A884 A882	2 2	
13				1		2		3		4		5
14				49.0		49.2		46.3		43.4		44.0
15				-12.3		-18.0		-21.2		-23.2		-18.0
16	01	63.4	12.4	12.0	12.8	12.3	15.3	13.9	15.0	13.7	13.4	12.7
16	05	63.4	7.9	7.7	9.5	8.8	12.7	10.7	12.4	10.6	10.5	9.5
16	09	63.4	7.9	7.7	9.5	8.8	12.7	10.7	12.4	10.6	10.5	9.5
16	13	63.5	7.9	7.7	9.5	8.8	12.7	10.7	12.4	10.6	10.5	9.5
16	17	63.5	8.0	7.8	9.6	8.9	12.9	10.8	12.6	10.7	10.6	9.6
17				49.0		49.2		46.3		43.4		44.0
18				-12.3		-18.0		-21.2		-23.2		-18.0
19				P		P		P		P		P
20				0		0		0		0		0
21	01	84.0	7.8	8.6	10.2	8.2	7.6	9.2				
21	05	84.0	4.0	4.8	6.5	4.5	3.8	5.4				
21	09	84.0	4.0	4.8	6.5	4.5	3.8	5.4				
21	13	84.0	4.0	4.8	6.5	4.5	3.8	5.4				
21	17	84.0	4.0	4.8	6.5	4.5	3.8	5.4				

	1	2	3	4	5	6	7	8	9	10	11	12
	MYT09800	F	29.0	45.1 45.1	-12.8 -12.8	0.60 0.60	0.60 0.60	0	A883 A887	A884 A882	1 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		44.7								
21	32	84.0		44.7								
21	36	84.0		44.7								

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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
	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		
13				1								
14				45.0								
15				-12.8								
16	40	63.6	18.3	19.3								
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	21.0	20.5	20.7	22.3	20.4	20.4	20.7			

	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	
			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	15.3	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	37.8	38.8	38.9	36.1						
21	26	84.0	40.5	41.5	41.6	38.7						
21	30	84.0	40.4	41.4	41.6	38.7						
21	34	84.0	40.5	41.5	41.6	38.8						

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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
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				
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	15.3	16.3	18.1	19.1	18.3	19.3	16.2	17.2			
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	18.4	19.6	18.5	19.9	18.2	19.3					

		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				
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	7.9	6.7	7.4	7.8	8.4	11.6	11.6	12.2	12.1	10.7 10.9
16	07	62.8	7.3	7.9	6.7	7.4	7.7	8.3	11.6	11.6	12.2	12.1	10.7 10.9
16	11	62.9	7.3	8.0	6.8	7.5	7.6	8.3	11.7	11.9	12.5	12.6	11.1 11.4
16	15	63.0	8.5	9.2	7.6	8.4	8.1	8.8	11.9	12.3	12.6	12.9	11.2 11.7
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 9.4
17			48.0		44.6		56.5		61.2		61.8		63.3 64.9
18			39.7		39.8		38.2		36.6		31.3		27.1 30.3
19			K		K		C		C		E		E K
20			0		0		0		0		0		0 0
21	03	84.0	9.8	9.1	9.5	8.6	10.5	9.6	9.2	9.7	9.9	9.9	
21	07	84.0	9.8	9.1	9.6	8.6	10.5	9.6	9.3	9.7	9.9	9.9	
21	11	84.0	11.1	10.4	10.8	9.9	11.8	10.9	10.5	10.9	11.2	11.2	
21	15	84.0	12.4	11.6	12.1	11.2	13.0	12.2	11.8	12.2	12.4	12.4	
21	19	84.0	13.1	12.4	12.9	11.9	13.8	13.0	12.6	13.0	13.2	13.2	

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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
	PAK12700	PAK	38.0	69.6	29.5	2.30	2.16	14	A883	A884	1	
13												
14												
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
16	06	64.0	4.7	5.6	1.8	2.8	4.3	5.2	5.4	6.3	7.8	8.7
16	10	64.0	4.8	5.6	1.8	2.7	4.3	5.1	5.4	6.2	7.9	8.5
17												
18												
19												
20												
21	02	84.0	16.0	15.1	16.4	16.7	17.1	16.8				
21	06	84.0	14.5	13.6	14.9	15.1	15.6	15.2				
21	10	84.0	9.6	8.7	10.0	10.2	10.7	10.3				

	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	
13												
14												
15												
16	12	63.5	-0.1	0.8	0.1	1.0	-1.4	-0.4	-0.6	0.3	-0.6	0.3
16	14	63.6	1.5	2.5	6.2	7.2	2.0	3.0	2.1	3.1	5.1	6.1
17												
18												
19												
20												
21	12	84.0	9.2	10.5	10.0	10.7	10.4	10.1				
21	14	84.0	17.8	19.1	18.6	19.4	19.0	18.8				

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
	PAK28100	PAK	38.0	65.2	27.9	1.52	1.42	28	A883	A884	1	
13												
14												
15												
16	18	63.0	2.5	3.4	6.4	7.3	7.2	8.1	8.8	9.6	5.6	6.5
16	22	63.1	2.8	3.8	13.5	14.2	13.0	13.7	12.5	13.2	6.1	7.0
17												
18												
19												
20												
21	18	84.0	12.8	14.2	13.0	13.6	14.3	15.0				
21	22	84.0	15.7	17.2	15.9	16.5	17.3	18.0				

	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	
13												
14												
15												
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												
18												
19												
20												
21	20	84.0	17.7	18.6	17.6	18.9	18.9	20.4				
21	24	84.0	23.3	24.3	23.2	24.5	24.5	26.0				

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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
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	1			
13			1		2		3		4		5	
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
16	08	64.3	3.0	4.0	4.8	5.7	2.5	3.5	7.0	7.9	6.8	7.7
17		70.3		79.8		79.1		75.1		72.8		70.0
18		31.2		35.6		32.7		37.2		36.7		34.0
19		E		C		C		E		C		
20		0		0		0		0		0		
21	04	84.0	20.0	20.6	20.0	20.3	20.0	20.0	20.3			
21	08	84.0	13.6	14.3	13.6	13.9	13.6	13.6	14.0			

	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	
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	5.0	2.3	3.0	4.5	5.1	4.3	4.9	5.1	5.6
16	16	63.7	6.2	6.6	4.6	5.2	6.4	6.8	6.4	6.8	6.8	7.1
17		73.1										
18		6.0										
19		N										
20		0										
21	12	84.0	5.4									
21	16	84.0	5.7									

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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
	URS06600	URS	44.0 64.8	64.3 38.3	44.6 2.00	4.56 2.00	2.48 2.00	169 0	A883 A887	A884 A882	2 1	
13				1		2		3		4		5
14			53.9		62.4		71.6		69.0		87.3	
15			37.3		35.2		37.3		59.1		49.2	
16	20	65.4	7.7	8.1	9.1	9.3	7.5	7.9	16.7	14.3	8.9	9.1
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	84.0	7.0	7.0	7.1		7.3		7.1			

	1	2	3	4	5	6	7	8	9	10	11	12
	URS06601	URS	44.0 73.8	64.3 41.4	44.6 2.00	4.56 2.00	2.48 2.00	169 0	A883 A887	A884 A882	2 2	
13				1		2		3		4		5
14			53.9		62.4		71.6		69.0		87.3	
15			37.3		35.2		37.3		59.1		49.2	
16	24	65.4	7.8	8.2	10.2	10.3	8.5	8.8	17.1	14.7	14.5	13.3
16	32	65.5	8.1	9.1	12.1	13.0	17.9	18.6	19.2	19.8	1.7	2.7
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	24	84.0	7.5	7.4	7.8		7.6					
21	32	84.0	20.8	20.7	21.1		20.9					

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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
	URS06602	URS	44.0	64.3	44.6	4.56	2.48	169	A883	A884	2	
13												
14												
15												
16												
17												
18												
19												
20												
21												

	1	2	3	4	5	6	7	8	9	10	11	12
	URS06603	URS	44.0	64.3	44.6	4.56	2.48	169	A883	A884	2	
13												
14												
15												
16												
17												
18												
19												
20												
21												
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
	URS06700	URS	44.0	62.4	58.5	3.20	1.52	169	A883	A884	1	
			73.8	41.4	2.00		2.00	0	A887	A882	2	
13			1		2		3		4		5	
14			50.9		47.3		48.8		61.5		74.3	
15			51.9		62.3		67.3		50.8		53.5	
16	05	66.4	11.4	9.0	12.6	9.5	12.3	9.4	12.9	9.6	13.4	9.8
16	09	66.4	11.4	7.7	12.6	8.1	12.3	8.0	12.9	8.2	13.4	8.3
17			81.2		87.1		65.4		71.0			
18			50.8		48.6		40.9		47.2			
19			E		E		E		E			
20			0		0		0		0			
21	05	84.0		1.7		1.6		2.0		1.8		
21	09	84.0		-0.5		-0.5		-0.2		-0.3		

	1	2	3	4	5	6	7	8	9	10	11	12
	URS06701	URS	44.0	62.4	58.5	3.20	1.52	169	A883	A884	1	
			58.0	59.0	2.00		2.00	0	A887	A882	1	
13			1		2		3		4		5	
14			50.9		47.3		48.8		61.5		74.3	
15			51.9		62.3		67.3		50.8		53.5	
16	13	66.5	11.2	9.5	12.4	10.1	12.4	10.1	11.7	9.8	12.2	10.0
17			70.4		61.5		54.4		48.9		47.0	
18			59.8		50.8		47.7		50.4		58.7	
19			C		E		C		E		C	
20			0		0		0		0		A	
21	13	84.0	3.1	3.4	3.5	3.4	3.2	3.2	0	2.9	0	

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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
	URS06702	URS	44.0	62.4	58.5	3.20	1.52	169	A883	A884	1		
			73.8	41.4	2.00	2.00	0	A887	A882	1			
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	13.4	8.5	15.9	9.0	15.3	8.9	13.7	8.6	13.8	8.6	16.4 9.1
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	10	84.0	-0.1	-0.2	0.2	0.0							

		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		
			73.8	41.4	2.00	2.00	2.00	0	A887	A882	1		
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	17.3	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	84.0	32.7	32.7	33.0	32.9							

		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		
			64.8	38.3	2.00	2.00	2.00	0	A887	A882	1		
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	17.3	18.2	17.2	18.1	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		E			
20				0		0		0		0			
21	30	84.0	27.0	27.0	27.1	27.3	27.3	27.1					

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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
	URS06900	URS	44.0	70.8	38.5	1.36	0.74	161	A883	A884	2	
			64.8	38.3	2.00		2.00	0	A887	A882	2	
13			1		2		3		4		5	
14			67.9		71.9		75.1		74.9		70.3	
15			37.0		36.6		37.3		38.5		41.3	
16	12	64.1	4.2	1.4	1.1	-0.2	-0.8	-1.4	1.6	0.1	4.7	1.6
16	16	64.1	6.2	2.4	5.0	2.0	3.7	1.4	5.7	2.3	6.9	2.7
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	84.0	-6.3	-6.3	-6.2		-6.0		-6.2			
21	16	84.0	-5.8	-5.8	-5.7		-5.5		-5.7			

	1	2	3	4	5	6	7	8	9	10	11	12
	URS07000	URS	44.0	73.9	41.0	1.34	0.84	5	A883	A884	2	
			73.8	41.4	2.00		2.00	0	A887	A882	1	
13			1		2		3		4		5	
14			78.2		74.2		80.3		73.8		69.3	
15			41.1		43.3		42.2		38.4		39.5	
16	18	64.5	8.9	8.5	12.3	10.6	8.7	8.3	4.0	4.5	7.5	7.4
16	22	64.6	9.8	9.1	12.8	10.9	10.5	9.6	4.2	4.7	7.9	7.7
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	18	84.0	4.0	4.0	4.3		4.2					
21	22	84.0	4.1	4.0	4.4		4.2					

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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
	URS07100	URS	44.0	63.1	42.0	2.64	0.84	170	A883	A884	2	
				73.8	41.4	2.00	2.00	0	A887	A882	I	
13			1		2		3		4		5	6
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
16	38	64.5	14.0	15.0	9.3	10.3	9.8	10.8	18.7	19.7	16.1	17.1
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	34	84.0	32.9		32.9		33.2		33.1			
21	38	84.0	32.0		32.0		32.3		32.1			

	1	2	3	4	5	6	7	8	9	10	11	12
	URS07200	URS	44.0	70.1	61.5	2.38	0.66	173	A883	A884	1	
				58.0	59.0	2.00	2.00	0	A887	A882	2	
13			1		2		3		4		5	6
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	15.7	16.0	16.1	14.0	14.4	13.8	14.2	16.0	16.1
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	
21	07	84.0	13.4		13.7		13.8		13.7		13.5	13.2

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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	
	URS07300	URS	44.0 58.0	54.3 59.0	63.5 2.00	1.58 2.00	0.66 2.00	3 0	A883 A887	A884 A882	1 2		
13				1		2		3		4		5	6
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	11.3	11.6	12.2	12.4	13.0	13.1	13.6	13.1	13.6	13.4 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	03	84.0	13.4	13.7	13.8	13.7	13.5	13.2					

	1	2	3	4	5	6	7	8	9	10	11	12	
	AFG24500	AFG	50.0 67.0	70.2 34.3	35.5 1.89	1.32 1.19	1.13 1.19	53 18	A883 A887	A884 A882	1 1		
13				1		2		3		4		5	6
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	2.8	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	7.0	7.0	6.4	7.0					
21	07	84.0	8.4	6.8	6.9	7.0	6.4	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	6.4	7.0					

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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
	AFG24600	AFG	50.0	64.5	33.1	1.44	1.40	21	A883	A884	1	
				67.0	34.3	1.89	1.19	18	A887	A882	1	
13			1		2		3		4		5	6
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	-0.1	0.8	0.0	0.9	2.8	3.6	5.1	5.8	7.6	8.0
16	05	63.4	-0.3	0.5	-0.1	0.7	2.8	3.4	5.0	5.4	7.5	7.5
16	09	63.4	-0.3	0.5	-0.1	0.7	2.8	3.4	5.0	5.4	7.5	7.4
16	13	63.4	-0.3	0.6	-0.1	0.8	3.0	3.8	5.4	6.0	8.9	9.1
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	01	84.0	9.3	7.7	7.8	7.9	7.2	7.9				
21	05	84.0	6.2	4.6	4.7	4.8	4.2	4.8				
21	09	84.0	6.2	4.6	4.7	4.8	4.1	4.8				
21	13	84.0	8.8	7.3	7.4	7.4	6.8	7.5				

	1	2	3	4	5	6	7	8	9	10	11	12
	CLN21900	CLN	50.0	80.6	7.7	1.18	0.60	106	A883	A884	1	
				80.6	7.7	1.18	0.60	106	A887	A882	1	
13			1		2		3		4			
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						

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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
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	A882	2		
13			1		2		3		4		5	6
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	9.3	6.0	7.0	3.0	4.0
16	19	64.6	3.7	4.2	2.9	3.5	7.5	7.5	5.4	5.7	2.5	3.1
16	21	64.6	4.4	4.9	3.5	4.1	8.5	8.2	5.8	6.1	2.8	3.4
17		80.2	82.0	84.2	88.0	88.0	88.0	83.0				
18		28.8	30.1	29.1	27.9	27.9	26.5	27.5				
19		K	K	K	K	K	K	K				
20		0	0	0	0	0	0	0				
21	17	84.0	21.2	19.6	20.3	20.6	19.3	20.1				
21	19	84.0	6.1	4.5	5.2	5.5	4.2	5.0				
21	21	84.0	6.1	4.5	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		
		75.9	33.4	1.52	1.08	33	A887	A882	A882	1		
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	19	64.3	3.8	4.8	3.3	4.3	8.3	9.3	6.0	7.0	3.0	4.0
16	21	64.4	3.7	4.2	2.9	3.5	7.5	7.5	5.4	5.7	2.5	3.1
17		73.9	73.6	72.5	74.6	80.3	80.3	79.0				
18		30.0	33.1	35.9	37.0	35.7	35.7	31.2				
19		E	E	E	C	C	C	E				
20		0	0	0	0	0	0	0				
21	19	84.0	6.7	8.5	3.4	4.0	7.1	4.2				
21	21	84.0	8.5	10.3	5.2	5.8	8.9	6.0				

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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
	IND03900	IND	56.0	72.7	11.2	1.26	0.60	107	A883	A884	1	
				72.7	11.2	1.26	0.60	107	A887	A882	2	
13					1		2		3			
14				71.9			73.7		73.0			
15				12.3			10.9		8.3			
16	01	63.2		3.8	4.8	3.3	4.3	8.3		9.3		
16	09	63.2		3.7	4.2	2.9	3.5	7.5		7.5		
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		30.4		29.1		28.4				
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	
				73.0	25.0	1.82	1.48	58	A887	A882	1	
13					1		2		3		4	
14				67.8		69.5		73.5		78.2		76.8
15				24.0		27.0		30.0		27.0		24.2
16	08	63.7		8.8	8.7	4.0	4.6	-0.6	0.3	3.0	3.7	8.6
16	16	63.8		8.8	9.7	3.9	4.9	-0.7	0.3	3.0	4.0	8.6
17				67.8		69.5		73.5		78.2		73.1
18				24.0		27.0		30.0		27.0		24.2
19				E		E		K		K		K
20				0		0		0		0		0
21	08	84.0		5.4		5.9		6.0		5.9		6.5
21	16	84.0		17.5		18.1		18.1		18.6		17.8

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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
	IND04100	IND	56.0	78.4	16.0	2.08	1.38	35	A883	A884	2		
			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	13.2	13.9	3.1	4.1	1.8	2.8	13.6	14.3	13.9	14.6	
17			73.6		78.3		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	7.6	7.5	8.1		7.8					
21	24	84.0	16.4	15.8	15.7	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		
			77.8	11.1	1.36	1.28	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	10.4	10.4	3.3	4.1	1.8	2.7	12.1	11.8	11.3	11.2	
16	11	63.5	13.2	13.9	3.1	4.1	1.8	2.8	13.6	14.3	13.9	14.6	
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	19.9	19.7	19.9	21.6		20.7					
21	11	84.0	19.8	19.6	19.8	21.5		20.6					

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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
	IND04500	IND	56.0	76.2	19.5	1.58	1.58	21	A883	A884	2	
			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	4.5	5.4	4.1	5.0	3.2	4.1	4.9	5.8	6.5	7.4
16	14	63.7	4.4	5.3	4.0	4.9	3.1	4.0	4.9	5.8	6.5	7.4
17			74.0		72.6		74.4		80.0		80.2	
18			16.7		19.9		22.0		21.6		18.8	
19			N		K		K		N		N	
20			0		0		0		0		0	
21	06	84.0	13.0		12.8		13.0		12.4		12.2	
21	14	84.0	13.4		13.2		13.4		12.9		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	0.7	5.5	4.2	6.6	4.8	4.2	3.4	-0.5	-0.2
16	06	63.3	0.6	1.0	5.5	4.9	6.6	5.6	4.2	3.9	-0.5	0.0
16	10	63.3	0.6	0.7	5.5	4.2	6.7	4.8	4.2	3.4	-0.5	-0.2
17			118.0		128.2		112.3		90.7		86.5	94.6
18			48.0		43.3		22.9		26.5		32.6	46.5
19			F		K		N		K		E	
20			0		0		0		0		0	
21	02	84.0	-1.9		-2.0		-1.2		-1.2		-1.1	-1.2
21	06	84.0	-0.1		-0.1		0.7		0.6		0.7	0.7
21	10	84.0	-1.9		-2.0		-1.2		-1.2		-1.1	-1.2

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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
	CHN15401	CHN	62.0	83.9	40.5	2.75	2.05	177	A883	A884	1		
13													
14													
15													
16													
17													
18													
19													
20													
21													

		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		
13													
14													
15													
16													
17													
18													
19													
20													
21													
21													
21													
21													

PLAN 3 07SEP88

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
	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
14				90.0		99.0		92.4		89.0		86.0
15				36.3		30.0		26.9		27.5		28.0
16	13	63.0	2.7	2.5	0.9	1.1	0.0	0.3	0.4	0.7	-0.4	0.0
17				90.0		99.0		92.4		89.0		86.0
18				36.3		30.0		26.9		27.5		28.0
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	-0.4	-0.4	-0.4		

	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	3.3	2.9	5.9	4.7	5.4	4.4	0.8	1.0	1.8	1.8
16	08	63.5	3.4	3.3	5.9	5.1	6.2	5.3	4.2	3.9	3.1	3.0
16	12	63.6	5.9	4.4	7.6	5.3	7.1	5.1	3.2	2.7	2.4	2.1
17				118.0	128.2	112.3	90.7	86.5	94.6			
18				48.0	43.3	22.9	26.5	32.6	46.5			
19				F	K	N	K	K	E			
20				0	0	0	0	0	0			
21	04	84.0	-1.4	-1.4	-0.6	-0.7	-0.6	-0.7				
21	08	84.0	-0.3	-0.3	0.5	0.4	0.5	0.4				
21	12	84.0	-1.8	-1.9	-1.1	-1.1	-1.0	-1.0				

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
	CHN15700	CHN	62.0	102.3	27.8	2.56	1.58	127	A883	A884	A882	2		
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	1.3	3.1	3.2	3.6	3.6	6.1	5.4	2.6	2.8	5.5	5.0
16	07	65.1	0.9	1.3	3.0	3.0	3.5	3.4	6.1	5.3	2.5	2.6	5.5	4.9
16	11	65.2	1.1	1.5	3.1	3.2	3.6	3.6	5.7	5.2	2.5	2.7	5.5	5.0
17			118.0	128.2	112.3	90.7	86.5		94.6					
18			48.0	43.3	22.9	26.5	32.6		46.5					
19			F	K	N	K	K		E					
20			0	0	0	0	0		0					
21	03	84.0	0.5	0.4	1.2	1.2	1.2	1.3		1.2				
21	07	84.0	0.1	0.0	0.8	0.8	0.8	0.9		0.8				
21	11	84.0	0.5	0.4	1.2	1.2	1.2	1.3		1.2				

		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	A882	1		
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	8.2	9.2	9.4	10.4	8.7	9.7	4.7	5.7	1.3	2.3	7.1	8.1
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	28.6	28.5	28.8	29.6	27.3		28.5					

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
	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	3.2	4.2	3.2	4.2	2.0	3.0	3.7	4.7	0.3	1.3	2.2
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	23.0	24.6	23.4	23.9	24.2	24.0					

		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	9.1	7.5	8.4	5.6	6.6	6.1	7.0	3.8	4.8	8.7
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	17.2	17.2	16.6	17.2	17.6	17.6	16.4				

		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	10.6	11.6	11.6	12.6	11.4	12.4	11.8	12.8	6.5	7.5	10.8
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	23.4	24.6	23.4	24.1	24.1	23.0	23.0	23.3			

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
	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	A883	A884	2		
13			101.8	99.1	97.5	98.1						
14			21.1	22.1	24.0	28.1						
15												
16	24	65.0	8.6	9.4	4.7	5.6	2.1	3.1	5.4	6.3	10.7	11.4
17			101.8	99.1	97.5	98.1	106.0	105.6				
18			21.1	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	13.5	13.1	13.2	13.8	13.7	12.5				

	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	A883	A884	1		
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												
16	18	64.3	1.6	2.3	1.9	2.6	2.2	2.8	2.2	2.8	2.3	2.9
16	20	64.3	1.6	1.9	1.9	2.1	2.2	2.4	2.2	2.4	2.2	2.4
16	22	64.3	1.7	1.7	2.0	1.9	2.2	2.1	2.3	2.2	2.3	2.2
16	24	64.3	2.3	2.9	2.8	3.4	3.1	3.6	3.3	3.8	3.2	3.7
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	3.7	4.3	5.4	5.3	4.5	4.8				
21	20	84.0	0.1	0.7	1.8	1.7	0.9	1.2				
21	22	84.0	-1.4	-0.8	0.2	0.2	-0.6	-0.3				
21	24	84.0	3.7	4.3	5.3	5.3	4.5	4.8				

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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
IND03700	IND	68.0 93.0	93.0 25.5	25.5 1.46	1.46 1.13	1.13 40	40	A883 A887	A884 A882	2 1		
13			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	02	64.0	1.6	2.3	1.9	2.6	2.2	2.8	2.2	2.8	2.3	2.9
16	10	64.0	1.6	1.9	1.9	2.1	2.2	2.4	2.2	2.4	2.2	2.9
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	0.9	3.4	2.2	1.7	1.3	2.5				
21	10	84.0	0.9	3.4	2.2	1.7	1.3	2.5				

	1	2	3	4	5	6	7	8	9	10	11	12
IND04200	IND	68.0 79.3	79.3 27.7	27.7 2.14	2.14 1.16	1.16 147	147	A883 A887	A884 A882	2 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	1.6	2.3	1.9	2.6	2.2	2.8	2.2	2.8	2.3	2.9
16	22	63.8	1.6	1.9	1.9	2.1	2.2	2.4	2.2	2.4	2.2	2.9
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	84.0	-4.8	-3.9	-4.2	-3.9	-4.4	-4.1				
21	22	84.0	-5.2	-4.3	-4.7	-4.4	-4.9	-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
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	
13		1 74.1		2 75.2		3 78.2		4 81.5		5 84.3	
14		22.6		25.0		26.9		25.2		23.0	
15										17.8	
16	05	63.5 13	7.2 5.8	6.9 5.7	5.6 4.4	5.7 4.5	0.9 0.4	1.6 1.0	1.7 0.8	2.3 1.4	2.5 0.6
16										3.0 1.2	9.0 7.7
17		74.1		75.2		78.2		81.5		84.3	
18		22.6		25.0		26.9		25.2		23.0	
19		K		K		K		K		N	
20		0		0		0		0		0	
21	05	84.0 13	2.9 2.0	4.0 3.2	3.3 2.5	3.7 2.9	3.1 2.3	3.3 2.5			

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	
			84.7	20.5	1.60	0.86	30	A887	A882	2	
13			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	17	63.6	5.8	5.6	0.7	1.3	0.6	1.2	5.1	5.0	3.9
16	23	63.7	4.3	3.5	1.0	1.1	0.5	0.7	4.6	3.7	3.0
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	1.7	4.3	3.6	2.8				
21	23	84.0	-0.7	-1.7	0.9	0.2	-0.6				

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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
IND04700	IND	68.0 93.3	93.3 11.1	1.92 1.92	0.60 0.60	96 96	A883 A887	A884 A882	1 2			
13			1		2		3		4			
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	7.5	8.5	10.3	11.3	10.0	11.0		
16	15	63.6	6.1	7.1	7.6	8.6	10.3	11.3	10.0	11.0		
17		93.8		94.2		93.8		92.2				
18		14.8		13.4		6.8		11.5				
19		N		N		P		N				
20		0		0		0		0				
21	07	84.0	23.8	23.9	23.2	22.6						
21	15	84.0	30.5	30.6	29.8	29.2						

	1	2	3	4	5	6	7	8	9	10	11	12
IND04800	IND	68.0 86.2	86.2 25.0	1.56 1.56	0.90 0.90	120 120	A883 A887	A884 A882	2 1			
13			1		2		3		4		5	6
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	6.1	7.1	7.5	8.5	10.3	11.3	10.0	11.0	3.9	4.1
16	12	63.8	6.1	7.1	7.6	8.6	10.3	11.3	10.0	11.0	3.0	2.6
17		83.3		83.8		88.6		89.8		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	84.0	-0.4	0.8	-2.2	-3.4	-0.4	0.3				
21	12	84.0	-2.6	-1.3	-4.4	-5.6	-2.6	-1.9				

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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
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			
13			1		2		3		4		5	6
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	6.9	5.4	5.5	4.6	6.8	5.4	5.8	4.8	-2.3	-1.7
16	18	63.7	0.0	0.9	-1.9	-1.0	-1.5	-0.6	-1.6	-0.7	0.7	1.5
16	20	63.7	0.3	0.5	-1.6	-1.1	-1.5	-1.0	-1.6	-1.1	0.7	0.9
16	22	63.8	0.6	0.6	-1.3	-1.0	-1.4	-1.0	-1.6	-1.2	0.7	0.7
16	24	63.8	0.3	0.4	-1.4	-1.0	-0.9	-0.6	-0.8	-0.5	0.2	0.3
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	1.5	-0.2	1.3	0.3	1.4		1.4		-0.9	
21	14	84.0	8.1	6.4	7.9	6.9	8.0		8.0		5.7	
21	18	84.0	0.8	-0.9	0.6	-0.4	0.7		0.7		-1.6	
21	20	84.0	0.0	-1.7	-0.2	-1.2		-0.1		-0.1	-2.4	
21	22	84.0	0.0	-1.7	-0.2	-1.2		-0.1		-0.1	-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			
13			1		2		3		4		5	6
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	6.2	6.1	9.5	8.4	2.1	2.6	1.2	1.8	3.7	4.0
16	19	63.9	2.8	2.9	7.6	6.4	1.8	2.1	1.0	1.4	2.1	2.3
16	21	63.9	4.2	4.0	8.3	6.8	1.9	2.2	1.1	1.5	3.9	3.8
16	23	64.0	4.0	4.3	8.3	7.6	1.9	2.4	1.1	1.7	3.6	3.9
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		K		P	
20			0		0		0		0		0	0
21	17	84.0	3.2	5.4	3.9	3.2	3.7		3.7		2.5	
21	19	84.0	1.0	3.3	1.7	1.1	1.5		1.5		0.3	
21	21	84.0	1.0	3.3	1.7	1.1	1.5		1.5		0.3	
21	23	84.0	3.2	5.4	3.9	3.2	3.7		3.7		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
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		
13			1		2		3					
14		114.6		114.2		115.0						
15		4.0		4.6		4.9						
16	12	62.5	11.2	12.2	11.7	12.6	11.3	12.3				
16	14	62.6	9.1	10.1	9.7	10.7	9.1	10.1				
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	23.0	22.4	22.0							
21	07	84.0	22.9	22.3	21.9							

	1	2	3	4	5	6	7	8	9	10	11	12
LA028400	LA0	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		
13			1		2		3		4		5	
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
16	04	63.9	4.6	4.3	3.2	3.2	5.0	4.6	3.5	3.5	4.2	4.0
16	06	63.8	4.2	4.0	3.2	3.2	5.2	4.8	3.5	3.5	4.2	4.0
16	08	63.8	4.6	4.3	3.2	3.2	5.2	4.8	3.5	3.5	4.3	4.1
16	10	63.9	3.3	3.4	-0.9	-0.3	3.6	3.6	3.4	3.4	4.3	4.2
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		
20		0		0		0		0		0		
21	02	84.0	1.5	0.5	1.0	-0.4	0.7		1.4			
21	04	84.0	2.1	1.1	1.6	0.3	1.3		2.0			
21	06	84.0	2.2	1.1	1.6	0.3	1.4		2.1			
21	08	84.0	2.2	1.1	1.6	0.3	1.4		2.1			
21	10	84.0	2.3	1.3	1.8	0.5	1.5		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
	MNG24800	MNG	74.0	102.2	46.6	3.60	1.13	169	A883	A884	1		
13													
14													
15													
16	25	64.1	-1.6	-0.8	5.6	5.7	7.5	7.2	6.5	6.4	4.5	4.8	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	3.5	4.0	4.4	1.6 2.2
17													
18													
19													
20													
21	25	84.0	11.9	13.1	14.6	15.7	12.7						
21	29	84.0	3.7	5.0	6.4	7.6	4.6						
21	33	84.0	2.3	3.6	5.0	6.1	3.2						
21	37	84.0	11.9	13.1	14.6	15.7	12.7						
21	39	84.0	11.9	13.1	14.6	15.7	12.7						

		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		
13													
14													
15													
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	3.6	3.3	3.1	3.3	3.1	-0.1	0.3	-0.7 -0.2
16	09	63.7	0.3	0.7	3.9	3.6	5.7	4.8	5.7	4.8	-0.1	0.3	-0.8 -0.3
16	13	63.8	5.0	5.3	8.3	7.9	10.1	9.1	5.5	5.7	2.8	3.3	4.4 4.8
17													
18													
19													
20													
21	01	84.0	3.2	3.3	2.2	2.7	2.7						
21	05	84.0	0.2	0.3	-0.7	-0.2	-0.3						
21	09	84.0	0.2	0.3	-0.7	-0.2	-0.3						
21	13	84.0	4.3	4.4	3.4	3.9	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
URS07400	URS	74.0	88.8	57.6	3.08	1.68	162	A883	A884	2		
		37.7	55.8	2.00	2.00	0	A887	A882	2			
13			1		2		3		4		5	6
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
16	30	68.0	10.9	11.5	8.6	9.4	15.8	15.7	10.7	11.3	16.3	16.1
16	34	68.0	10.2	10.9	8.4	9.2	15.8	15.8	10.7	11.4	16.3	16.2
16	38	68.1	7.6	8.3	5.6	6.4	13.2	13.1	9.9	10.4	14.2	13.9
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	84.0	12.6	12.9	13.0		13.1		12.9			
21	30	84.0	12.4	12.8	12.9		12.9		12.8			
21	34	84.0	12.5	12.9	13.0		13.1		12.9			
21	38	84.0	9.8	10.1	10.3		10.3		10.1			

	1	2	3	4	5	6	7	8	9	10	11	12
URS07500	URS	74.0	94.0	51.7	1.52	0.60	172	A883	A884	2		
		92.8	56.1	2.00	2.00	0	A887	A882	2			
13			1		2		3		4		5	6
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
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		
20		0		0		0		0		0		
21	32	84.0	5.1	3.8	5.1	2.3	3.4		5.2			

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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
	URS07600	URS	74.0	98.0	63.2	1.84	0.69	170	A883	A884	2		
			92.8	56.1	2.00	2.00	0	A887	A882	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	84.0	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	80.0	111.8	38.0	2.60	1.74	124	A883	A884	1		
			106.0	32.5	5.00	3.70	150	A887	A882	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	4.8	11.0	7.7	12.0	8.0	7.8	6.2	3.1	3.0	4.9 4.4
16	19	64.9	-0.9	-8.0	-0.3	-7.9	0.3	-7.9	-0.6	-8.0	-1.0	-8.0	1.3 -7.8
16	23	65.0	-0.8	-8.0	-0.6	-8.0	-0.5	-8.0	-1.6	-8.1	-0.5	-8.0	1.0 -7.8
17			118.0	125.3	114.9	90.7	97.5		102.8				
18			48.0	43.6	22.2	32.0	44.9		20.4				
19			F	K	N	K	E		N				
20			0	0	0	0	0		0				
21	15	84.0	-0.3	-0.3	0.2	0.3	0.1		0.3				
21	19	84.0	-17.3	-17.2	-16.7	-16.6	-16.8		-16.7				
21	23	84.0	-17.3	-17.2	-16.7	-16.6	-16.8		-16.7				

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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
	CHN15900	CHN	80.0	109.4	27.3	2.14	1.72	107	A883	A884	2			
			106.0	32.5	5.00	3.70	150	A887	A882	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	-7.7	-0.3	-7.9	-0.9	-8.0	1.4	-7.7	0.5	-7.8	-0.3	-7.9
16	20	64.6	1.5	-7.7	-0.3	-7.9	-1.9	-8.2	1.0	-7.8	-1.1	-8.1	-0.3	-7.9
16	22	64.6	1.6	-7.7	0.2	-7.9	-0.8	-8.0	1.7	-7.7	-0.1	-7.9	0.0	-7.9
17			118.0	125.3	114.9	90.7	97.5		102.8					
18			48.0	43.6	22.2	32.0	44.9		20.4					
19			F	K	N	K	E		N					
20			0	0	0	0	0		0					
21	18	84.0	-17.3	-17.3	-16.8	-16.7	-16.9		-16.7					
21	20	84.0	-17.3	-17.3	-16.8	-16.7	-16.9		-16.7					
21	22	84.0	-17.3	-17.3	-16.8	-16.7	-16.9		-16.7					

		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				
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	3.7	7.1	7.9	6.2	7.0	3.0	3.9	7.1	7.9		
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	12.0	11.5	11.6	11.5	15.0							

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	
		CHN16400	CHN	80.0	112.2	37.4	1.06	0.76	111	A883	A884	1	12
13					111.5		114.1		113.6		110.3		110.3
14					39.6		40.7		35.6		34.5		37.6
15													
16	05	64.2		5.8	6.7	5.0	5.9	2.0	3.0	2.2	3.2	5.1	6.0
17				111.5		114.1		113.6		110.3		114.1	
18				39.6		40.7		35.6		34.5		37.6	
19				K		K		K		K		K	
20				0		0		0		0		0	
21	05	84.0		15.0		14.3		14.5		14.4		15.5	

		1	2	3	4	5	6	7	8	9	10	11	
		CHN16500	CHN	80.0	111.4	41.8	1.58	1.20	15	A883	A884	1	12
13					120.0		112.0		105.3		107.6		111.1
14					45.5		45.1		41.6		37.8		39.5
15													
16	09	63.6		5.6	6.1	9.3	9.3	7.3	7.6	4.7	5.3	6.8	7.2
17				120.0		112.0		105.3		107.6		111.1	
18				45.5		45.1		41.6		37.8		39.5	
19				F		F		C		K		K	
20				0		0		0		0		0	
21	09	84.0		6.1		6.7		6.1		6.5		7.7	

		1	2	3	4	5	6	7	8	9	10	11	
		CHN17600	CHN	80.0	113.7	33.9	1.20	0.80	141	A883	A884	1	12
13					116.1		116.6		115.2		111.9		110.2
14					36.1		34.0		31.3		32.5		34.5
15													
16	21	64.3		-0.1	0.1	0.3	0.4	-1.1	-0.8	-0.2	0.0	-1.2	-0.9
17				116.1		116.6		115.2		111.9		110.2	
18				36.1		34.0		31.3		32.5		34.5	
19				K		K		K		K		K	
20				0		0		0		0		0	
21	21	84.0		-2.3		-1.2		-2.0		-1.1		-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
	CHN17700	CHN	80.0	111.8	30.8	1.42	0.82	160	A883	A884	2		
13				1		2		3		4		5	
14				109.2		109.5		116.0		116.0		113.6	
15				29.1		33.2		31.0		29.6		29.1	
16	24	64.7		-0.6	-0.3	-0.2	0.1	1.2	1.2	0.8	0.9	1.4	1.4
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		-1.9	-1.8	-1.2	-1.5	-0.4	-1.2				

		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		
13				1		2		3		4		5	
14				109.2		113.6		113.7		111.5		108.9	
15				29.1		29.8		25.2		24.7		27.0	
16	12	64.4		4.8	5.7	2.8	3.8	8.7	9.5	7.8	8.7	6.0	6.9
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		14.6	13.7	14.1	14.6	14.6	14.6	14.1			

		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		
13				1		2		3		4		5	
14				105.6		108.0		104.5		109.7		111.3	
15				23.1		21.5		24.5		21.3		26.3	
16	14	64.1		4.1	4.6	4.6	5.1	2.7	3.4	5.2	5.6	5.2	5.6
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		6.1	5.9	4.9	5.5	4.5	5.6				

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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
CHN18700	CHN	80.0	106.6	26.7	1.14	0.94	179	A883	A884	2		
		106.6	26.7	1.14	0.94	179	A887	A882	A882	1		
13												
14												
15												
16	10	64.0	0.5	1.2	1.0	1.7	4.9	5.2	5.5	5.7	4.1	4.5
17												
18												
19												
20												
21	10	84.0	3.8	4.0	3.3	3.7	4.2	4.6			6.9	6.8

	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	A882	2		
13												
14												
15												
16	17	64.2	-0.1	0.0	-0.2	-0.1	-0.3	-0.2	-1.3	-1.0	0.6	0.6
17												
18												
19												
20												
21	17	84.0	-2.6	-2.3	-1.7	-2.7	-1.4	-1.4				

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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
	INS02800	INS	80.0	101.5	0.0	3.00	1.20	133	A883	A884	2	
13												
14												
15												
16	02	63.3	7.4	5.2	0.2	0.4	2.5	2.2	4.6	3.7	7.3	5.2
16	04	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.4	5.2
16	06	63.3	7.5	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.3	5.2
16	08	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.5	5.3
17												
18												
19												
20												
21	02	84.0	-0.3	2.8	1.5	-0.2	1.1	0.2	0.8	-1.9	0.4	0.9
21	04	84.0	-0.3	2.9	1.5	-0.2	1.1	0.2	0.8	-1.9	0.4	1.0
21	06	84.0	-0.3	2.8	1.5	-0.2	1.1	0.2	0.8	-1.9	0.4	0.9
21	08	84.0	-0.3	2.9	1.5	-0.2	1.1	0.2	0.8	-1.9	0.4	1.0

	1	2	3	4	5	6	7	8	9	10	11	12
	INS03000	INS	80.0	112.3	-8.1	3.14	1.46	169	A883	A884	1	
13												
14												
15												
16	18	64.2	1.8	-9.2	0.6	-9.3	1.2	-9.2	1.9	-9.2	2.6	-9.1
16	20	64.2	1.9	-9.2	0.6	-9.3	1.2	-9.2	1.9	-9.2	2.6	-9.1
16	22	64.2	1.9	-9.2	0.6	-9.3	1.2	-9.2	1.9	-9.2	2.6	-9.1
16	24	64.3	5.3	-8.2	3.9	-8.2	4.4	-8.2	5.4	-8.2	6.3	-8.1
17												
18												
19												
20												
21	18	84.0	-17.3	-14.1	-15.5	-17.2	-15.9	-16.8	-16.2	-18.9	-16.6	-16.0
21	20	84.0	-17.3	-14.1	-15.5	-17.2	-15.9	-16.8	-16.2	-18.9	-16.6	-16.0
21	22	84.0	-17.3	-14.1	-15.5	-17.2	-15.9	-16.8	-16.2	-18.9	-16.6	-16.0
21	24	84.0	-16.4	-13.3	-14.6	-16.4	-15.0	-15.9	-15.4	-18.0	-15.8	-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
	INS03200	INS	80.0	112.3	-0.3	2.66	2.32	109	A883	A884	2	
13			1		2		3		4		5	6
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	-8.2	6.7	-8.1	3.8	-8.2	4.8	-8.2	4.6	-8.2
16	19	64.1	0.4	-11.0	2.7	-10.9	1.1	-10.9	1.3	-10.9	0.5	-11.0
16	21	64.1	4.8	-10.4	6.5	-10.4	3.6	-10.4	3.8	-10.4	3.1	-10.5
16	23	64.1	0.7	-9.3	3.0	-9.1	1.3	-9.2	1.5	-9.2	0.8	-9.3
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	17	84.0	-16.4	-13.2	-14.6	-16.3	-15.0	-15.9	-15.3	-18.0	-15.7	-15.1
21	19	84.0	-19.1	-16.0	-17.3	-19.1	-17.7	-18.6	-18.0	-20.7	-18.5	-17.9
21	21	84.0	-18.7	-15.6	-16.9	-18.7	-17.3	-18.2	-17.7	-20.3	-18.1	-17.5
21	23	84.0	-17.3	-14.2	-15.5	-17.2	-15.9	-16.8	-16.2	-18.9	-16.7	-16.1

	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	
13			1		2		3		4		5	6
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	8.0	6.9	7.3	7.6	7.9	9.3	9.2	9.7	9.6
16	18	63.3	6.5	6.2	0.7	1.3	-1.1	-0.4	3.0	3.4	8.4	7.5
16	20	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.4	8.3	7.5
16	22	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.4	8.4	7.5
16	24	63.4	7.6	7.0	1.0	1.6	-1.0	-0.3	3.3	3.6	9.8	8.4
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	
20			0		0		0		0		0	
21	16	84.0	5.9	6.6	7.0	6.6	6.5	7.3				
21	18	84.0	2.1	2.8	3.2	2.8	2.7	3.5				
21	20	84.0	2.1	2.8	3.2	2.8	2.7	3.5				
21	22	84.0	2.1	2.8	3.2	2.8	2.7	3.5				
21	24	84.0	2.2	2.9	3.2	2.9	2.8	3.6				

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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
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			
13			1		2		3		4		5	
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	3.5	9.7	7.7	9.6	7.7	9.1	7.4	4.5	4.4
16	06	63.6	3.4	3.5	9.6	7.7	9.5	7.6	9.0	7.4	4.5	4.4
16	08	63.7	3.5	3.6	9.8	7.8	9.8	7.8	9.4	7.6	4.6	4.5
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	1.0	2.9	0.8		2.2		2.5			
21	06	84.0	1.0	2.9	0.8		2.2		2.5			
21	08	84.0	1.0	2.9	0.8		2.2		2.5			

	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	
15			22.8		21.6		16.0		12.0		8.5	
16	03	63.5	-1.4	-0.9	-1.1	-0.7	4.6	3.7	6.9	5.1	6.1	4.6
16	07	63.5	-1.4	-0.9	-1.1	-0.7	4.6	3.7	6.9	5.1	6.1	4.6
16	11	63.5	-1.7	-0.9	-1.6	-0.9	5.3	5.2	9.2	7.8	11.0	8.8
16	15	63.6	4.0	3.8	-0.1	0.4	9.4	7.1	11.9	8.1	7.8	6.3
17			102.2		105.3		108.0		111.9		104.7	
18			22.4		23.4		21.5		8.7		8.6	
19			N		N		N		P		P	
20			0		0		0		0		0	
21	03	84.0	0.1	0.0	0.5		1.1		-1.7		-1.1	
21	07	84.0	0.1	0.0	0.5		1.2		-1.7		-1.1	
21	11	84.0	3.4	3.3	3.8		4.4		1.6		2.2	
21	15	84.0	1.7	1.6	2.1		2.8		-0.1		0.5	

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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		
		CHN16000	CHN	92.0	122.8	45.3	2.50	1.45	150	A883	A884	A882	1		
13					1		2		3		4		5		6
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	5.1	6.7	5.4	2.0	2.1	1.2	1.4	3.3	3.1	
16	07	65.1	0.3	0.6	7.3	5.5	7.7	5.7	2.5	2.4	1.6	1.7	4.2	3.6	
16	11	65.2	1.0	1.1	8.2	5.8	8.8	6.0	2.9	2.6	2.1	2.0	5.1	4.1	
17			124.3	117.0	93.2	98.0	114.4	106.0							
18			45.4	23.1	33.4	46.9	51.1	20.7							
19			F	N	K	E	E	N							
20			0	0	0	0	0	0							
21	03	84.0	-0.8	-0.3	-0.3	-0.5	-0.8	-0.2							
21	07	84.0	-1.2	-0.7	-0.7	-1.0	-1.2	-0.7							
21	11	84.0	-1.6	-1.1	-1.1	-1.3	-1.6	-1.1							

		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	A882	1		
13					1		2		3		4		5		6
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	4.7	1.8	2.2	3.1	3.3	6.9	6.1	5.3	5.0	0.7	1.2	
16	04	64.5	4.6	4.5	0.5	1.0	2.8	3.0	5.4	5.1	2.9	3.1	0.0	0.6	
16	06	64.5	4.8	4.6	2.1	2.4	3.0	3.2	6.8	6.0	5.4	5.1	0.7	1.2	
17			124.3	117.0	93.2	98.0	114.4	106.0							
18			45.4	23.1	33.4	46.9	51.1	20.7							
19			F	N	K	E	E	N							
20			0	0	0	0	0	0							
21	02	84.0	0.8	1.3	1.2	1.0	0.8	1.3							
21	04	84.0	0.8	1.3	1.3	1.0	0.8	1.0							
21	06	84.0	0.8	1.3	1.2	1.0	0.8	1.0							

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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
	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		
13												6
14			110.0		2							
15			15.0		20.0							
16	01	64.0	4.6	4.9	3.2	3.7	4.1	4.4	0.0	0.7	6.0	6.0
16	05	64.0	3.9	3.9	2.6	2.8	2.3	2.6	-1.3	-0.6	4.4	4.3
16	09	64.0	4.6	4.1	3.1	3.0	3.3	3.2	-0.3	0.2	5.9	5.0
17			124.3	117.0	93.2	98.0	114.4		106.0			
18			45.4	23.1	33.4	46.9	51.1		20.7			
19			F	N	K	E	E		N			
20			0	0	0	0	0		0			
21	01	84.0	3.0	3.5	3.4	3.2	3.0		3.5			
21	05	84.0	0.6	1.1	1.0	0.8	0.6		1.1			
21	09	84.0	-0.5	0.0	-0.1	-0.3	-0.5		0.0			

	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		
13												6
14			118.8		2							
15			40.7		40.8							
16	24	64.5	4.3	5.3	0.4	1.4	1.5	2.5	3.4	4.4	1.5	2.5
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	23.5	22.7	22.0	22.2	22.4		21.7			

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
		CHN16700	CHN	92.0	124.3	43.7	1.98	0.72	156	A883	A884	2		
13														
14														
15														
16														
17														
18														
19														
20														
21														

		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		
13														
14														
15														
16														
17														
18														
19														
20														
21														

		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		
13														
14														
15														
16														
17														
18														
19														
20														
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
	CHN17000	CHN	92.0	119.5	33.0	1.34	0.64	155	A883	A884	1		
13				1		2		3		4		5	
14				119.1		116.4		121.3		122.4		121.5	
15				35.2		34.8		34.1		31.0		30.6	
16	12	64.4	1.3	1.8	1.3	1.8	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	
18				35.2		34.8		34.1		31.0		30.6	
19			K	K	K	M		K		K		K	
20			0	0	0	0		0		0		0	
21	12	84.0	2.5	3.1	2.5	2.8	2.3	2.3	1.9				

		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		
13				1		2		3		4		5	
14				116.1		114.9		116.1		119.2		119.6	
15				29.8		33.1		34.6		32.6		31.1	
16	10	64.2	2.9	3.5	4.0	4.5	4.9	5.3	4.2	4.7	3.9	4.4	4.1 4.6
17				116.1		114.9		116.1		119.2		119.6	
18				29.8		33.1		34.6		32.6		31.1	
19			K	K	K	K		K		K		N	
20			0	0	0	0		0		0		0	
21	10	84.0	4.5	4.5	4.9	4.5	4.5	4.3	4.3	4.8			

		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		
13				1		2		3		4		5	
14				120.9		118.8		118.0		119.6		122.8	
15				27.0		27.5		29.1		31.1		30.9	
16	14	64.3	2.7	2.7	2.3	2.4	2.4	2.5	3.9	3.7	3.3	3.2	3.8 3.6
17				120.9		118.8		118.0		119.6		122.8	
18				27.0		27.5		29.1		31.1		30.9	
19			N	N	N	K		M		N			
20			0	0	0	0		0		0		0	
21	14	84.0	0.3	0.8	0.2	0.2	0.3	-0.3	-0.3	-0.2			

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
	CHN17300	CHN	92.0	115.7	27.4	1.14	0.94	99	A883	A884	A887	A882	1	2
13														
14														
15														
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
17														
18														
19														
20														
21		08	84.0	1.6	1.4	1.7	2.4	1.8						

		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	A887	A882	2	1
13														
14														
15														
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
17														
18														
19														
20														
21		15	84.0	0.8	0.2	1.0	0.6	0.6						

		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	A887	A882	2	1
13														
14														
15														
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
17														
18														
19														
20														
21		21	84.0	1.8	4.2	1.2	2.4	1.7						

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PAG. 18

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

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	
13											
14											
15											
16	19	63.8	1.7	2.6	1.0	1.9	4.5	5.3	4.6	5.4	5.0
											5.8
17											
18											
19											
20											
21	19	84.0	9.1	10.0	10.4	9.5	9.6		10.5		

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	
13			1	2	3	4		5		6	
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
17			4.4				4.4		4.9		4.4
18			117.7	125.5	124.9	120.7	111.4	104.2	102.7	105.6	
19			38.5	32.1	23.5	15.2	10.2	15.3	22.9	31.8	
20			K	M	N	N	N	N	N	K	
21	13	84.0	0	0	0	0	0	0	0	0	
		0.1	-0.1	0.0	0.2	0.4	0.3	0.3	0.2		

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		
		AUS00400	AUS	98.0	121.8	-24.9	3.60	1.90	54	A883	A884	2			
13					1		2		3		4		5		6
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	9.3	11.9	10.8	12.3	11.1	12.5	11.2	7.3	7.5	10.0	9.5	
16	07	63.1	9.7	9.3	11.9	10.8	12.3	11.1	12.5	11.2	7.3	7.5	10.0	9.5	
16	11	63.1	9.8	9.4	12.0	10.9	12.3	11.1	12.6	11.2	7.3	7.5	10.0	9.5	
16	15	63.2	1.7	2.3	8.6	8.0	9.0	8.3	9.2	8.4	5.9	6.0	5.2	5.4	
16	19	63.2	-1.2	-0.5	6.4	6.1	7.2	6.6	7.4	6.8	4.8	4.8	2.7	3.1	
16	23	63.3	-1.1	-0.2	6.7	6.9	7.4	7.4	7.6	7.6	5.0	5.4	3.1	3.7	
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		K
20					0		0		0		0		0		0
21	03	84.0	5.2	5.5	5.6	6.0	5.0	6.8	5.8	5.6	6.8	6.8	8.1		
21	07	84.0	5.2	5.5	5.6	6.0	5.0	6.8	5.8	5.6	6.8	6.8	8.1		
21	11	84.0	5.3	5.5	5.7	6.0	5.0	6.8	5.8	5.7	6.8	6.8	8.1		
21	15	84.0	3.4	3.7	3.8	4.2	3.2	5.0	4.0	3.8	4.9	4.9	6.3		
21	19	84.0	2.0	2.3	2.4	2.8	1.8	3.6	2.6	2.4	3.5	3.5	4.9		
21	23	84.0	4.7	5.0	5.1	5.5	4.5	6.3	5.3	5.1	6.2	7.6			

		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			
13					1		2		3		4		5		6
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	2.5	5.9	6.3	9.5	9.2	3.2	3.9	6.0	6.4	7.6	7.7	
16	05	64.4	1.8	2.5	5.9	6.3	9.5	9.2	3.2	3.9	5.9	6.3	7.6	7.7	
16	09	64.4	1.7	2.5	5.8	6.2	9.4	9.1	3.1	3.8	5.9	6.3	7.6	7.7	
16	13	64.4	1.7	2.4	5.8	6.2	9.4	9.1	3.1	3.8	5.9	6.3	7.5	7.6	
16	17	64.5	-1.6	-0.7	5.3	5.7	8.2	8.1	2.7	3.3	2.4	3.1	6.3	6.5	
16	21	64.5	-1.7	-0.8	5.3	5.7	8.1	8.0	2.6	3.3	2.3	3.0	6.3	6.5	
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		K
20					0		0		0		0		0		0
21	01	84.0	5.2	5.5	5.6	6.0	5.0	6.8	5.8	5.7	6.8	6.8	8.1		
21	05	84.0	5.2	5.5	5.6	6.0	5.0	6.8	5.8	5.6	6.8	6.8	8.1		
21	09	84.0	5.2	5.5	5.6	6.0	5.0	6.8	5.8	5.7	6.8	6.8	8.1		
21	13	84.0	5.1	5.4	5.5	5.9	4.9	6.7	5.7	5.5	6.7	6.7	8.0		
21	17	84.0	4.6	4.9	5.0	5.4	4.4	6.2	5.2	5.0	6.2	6.2	7.5		
21	21	84.0	4.6	4.9	5.0	5.4	4.4	6.2	5.2	5.0	6.1	6.1	7.5		

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
	AUS00600	AUS	98.0	135.4	-30.3	2.00	1.40	44	A883	A884	1	
13				1	2		3		4		5	6
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
16	06	63.3	4.6	5.6	5.5	6.5	7.0	8.0	4.4	5.4	5.8	6.8
16	10	63.3	4.7	5.7	5.7	6.7	7.3	8.3	4.6	5.6	6.0	7.0
16	14	63.4	4.8	5.8	5.8	6.8	7.3	8.3	4.6	5.6	6.0	7.0
16	18	63.4	-0.9	0.1	-1.7	-0.7	-0.7	0.3	-0.9	0.1	-1.1	-0.1
16	22	63.5	-0.9	0.1	-1.8	-0.8	-0.7	0.3	-0.9	0.1	-1.1	-0.1
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	84.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	32	84.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.7	21.8	23.2
21	36	84.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.8	21.9	23.2
21	40	84.0	20.3	20.6	20.7	21.1	20.1	21.9	20.9	20.8	21.9	23.2
21	26	84.0	19.6	19.9	20.0	20.4	19.4	21.2	20.2	20.0	21.1	22.5
21	30	84.0	19.6	19.9	20.0	20.4	19.4	21.2	20.2	20.0	21.1	22.5

	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	
13				1	2		3		4		5	6
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	6.7	9.0	8.7	7.6	7.6	8.4	8.3	7.7	8.7
16	18	63.7	2.6	3.3	4.8	5.3	3.5	4.1	4.4	4.9	3.6	4.2
16	20	63.7	1.9	2.6	8.4	8.3	7.4	7.5	8.5	8.3	7.2	7.3
16	22	63.7	0.6	1.4	4.8	5.3	3.6	4.2	4.3	4.8	3.6	4.2
16	24	63.8	9.0	9.2	11.4	11.2	10.6	10.5	11.3	11.1	10.1	10.1
17			122.0	120.0	126.0	126.0	117.0	117.0	125.0			
18			21.0	5.0	6.0	6.0	11.0	7.5	15.0			
19			N	P	P	P	N	P	P	N		
20			0	0	0	0	0	0	0	0		
21	16	84.0	4.7	6.3	4.7	5.2	4.9	5.7				
21	18	84.0	4.7	6.2	4.7	5.1	4.8	5.6				
21	20	84.0	4.6	6.2	4.6	5.0	4.7	5.6				
21	22	84.0	4.6	6.2	4.6	5.1	4.8	5.6				
21	24	84.0	7.2	8.8	7.2	7.6	7.3	8.2				

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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
INS03500	INS	104.0	124.3	-3.2	3.34	1.94	82	A883	A884	1		
			115.2	-1.7	9.14	3.43	170	A887	A882	2		
13			1		2		3		4		5	6
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	6.1	10.0	6.7	7.8	5.7	13.8	7.7	14.0	7.8
16	05	63.3	8.5	6.1	9.4	6.5	7.7	5.7	13.3	7.6	13.3	7.6
16	09	63.3	8.5	6.1	9.3	6.4	7.7	5.7	13.3	7.6	13.5	7.7
16	13	63.4	8.4	5.7	8.7	5.9	7.6	5.4	8.6	5.8	5.5	4.3
17			91.2		104.0		118.0		140.8		120.0	
18			3.8		-1.4		4.4		-1.0		-10.0	
19			P		P		P		P		P	
20			0		0		0		0		0	0
21	01	84.0	5.1	7.4	6.3	4.7	5.7	4.6	5.7	3.2	-1.3	6.1
21	05	84.0	5.1	7.4	6.3	4.6	5.7	4.6	5.7	3.1	-1.3	6.1
21	09	84.0	5.1	7.4	6.3	4.7	5.7	4.6	5.7	3.2	-1.3	6.1
21	13	84.0	4.6	6.9	5.8	4.2	5.2	4.1	5.3	2.7	-1.8	5.7

	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		
13			1		2		3		4		5	6
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	4.0	3.7	3.2	4.0	3.4	6.1	4.7	9.1	6.2
16	07	63.8	5.0	4.0	3.7	3.2	3.9	3.3	6.1	4.7	9.0	6.1
16	11	63.9	5.0	4.1	3.7	3.2	3.9	3.3	6.1	4.7	9.0	6.2
16	15	63.9	5.2	4.2	3.9	3.3	3.8	3.3	6.1	4.7	8.8	6.1
16	19	64.0	12.7	7.4	9.6	6.5	1.5	1.5	5.5	4.4	4.4	3.7
17			91.2		104.0		118.0		140.8		120.0	
18			3.8		1.4		4.4		-1.0		-10.0	
19			P		P		P		P		P	
20			0		0		0		0		0	0
21	03	84.0	4.8	7.1	6.0	4.4	5.4	4.3	5.4	2.9	-1.6	6.7
21	07	84.0	4.8	7.1	6.0	4.4	5.4	4.3	5.4	2.9	-1.6	6.7
21	11	84.0	4.9	7.2	6.1	4.5	5.5	4.4	5.6	3.0	-1.5	6.8
21	15	84.0	4.9	7.2	6.1	4.5	5.5	4.4	5.5	3.0	-1.5	6.8
21	19	84.0	5.0	7.3	6.1	4.5	5.6	4.5	5.6	3.0	-1.4	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
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	
13				1	2	3	4	5				6
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	7.3	3.0	3.4	-1.2	-0.4	7.2	6.7	8.4	7.5
16	03	64.2	2.3	2.3	1.3	1.5	4.8	4.2	10.2	7.2	5.1	4.4
16	05	64.2	8.1	6.2	2.3	2.3	-0.4	0.1	8.1	6.2	8.5	6.4
16	07	64.2	2.4	2.4	1.4	1.6	5.1	4.4	10.3	7.2	5.1	4.4
16	09	64.3	7.7	6.0	2.5	2.5	-0.2	0.2	8.2	6.3	8.5	6.4
16	11	64.3	2.4	2.4	1.4	1.6	5.3	4.6	10.3	7.2	5.1	4.4
16	13	64.3	7.8	-13.5	3.6	-13.6	1.8	-13.6	9.6	-13.5	8.5	-13.5
16	15	64.4	5.4	-16.5	4.3	-16.5	4.4	-16.5	10.2	-16.5	7.4	-16.5
17				142.0	131.9	129.3	123.5	123.8	142.3	148.8	139.7	130.4
18				45.5	37.3	34.7	25.8	24.3	26.4	45.6	35.7	33.6
19				K	K	K	N	N	N	K	M	M
20				5	5	5	5	5	5	5	5	5
21	01	84.0	2.5	4.6	4.7	3.1	2.9	3.1	2.1	5.2	5.2	3.3
21	03	84.0	-0.2	1.9	2.0	0.4	0.2	0.4	-0.6	2.5	2.5	0.6
21	05	84.0	-0.3	1.9	2.0	0.3	0.2	0.4	-0.6	2.5	2.5	0.6
21	07	84.0	-0.2	1.9	2.0	0.4	0.2	0.4	-0.6	2.5	2.5	0.6
21	09	84.0	-0.3	1.9	2.0	0.3	0.2	0.4	-0.6	2.5	2.5	0.6
21	11	84.0	-0.2	1.9	2.0	0.4	0.2	0.4	-0.6	2.5	2.5	0.6
21	13	84.0	-23.2	-21.0	-20.9	-22.6	-22.7	-22.5	-23.5	-20.4	-20.4	-22.3
21	15	84.0	-26.2	-24.0	-23.9	-25.6	-25.7	-25.5	-26.5	-23.4	-23.4	-25.3

	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	
13				1	2	3	4	5				6
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
16	04	63.6	-2.0	-1.5	-1.5	-1.0	-1.8	-1.3	0.7	0.9	-0.1	0.2
16	06	63.6	-3.0	-2.4	-2.6	-2.0	-3.0	-2.4	-0.6	-0.2	-1.5	-1.0
16	08	63.7	1.3	1.4	1.9	1.8	1.2	1.3	2.8	2.5	1.5	1.5
16	10	63.7	-0.7	-0.3	-0.4	-0.1	-1.0	-0.6	0.7	0.9	-0.4	-0.1
16	12	63.7	0.6	0.8	-0.6	-0.2	-0.9	-0.5	2.3	2.2	1.4	1.4
17				126.3	131.9	125.1	129.1	126.9	124.7	126.6	127.2	127.9
18				33.1	37.3	34.1	35.1	37.5	38.0	37.9	38.3	38.3
19				M	K	K	K	K	K	K	K	K
20				0	0	0	0	0	0	0	0	0
21	02	84.0	-0.7	-1.5	0.0	1.3	1.3	-0.9	0.7	0.4	0.5	0.1
21	04	84.0	-0.7	-1.5	0.0	1.3	1.3	-0.9	0.7	0.4	0.5	0.1
21	06	84.0	-0.7	-1.5	0.0	1.3	1.3	-0.9	0.7	0.4	0.5	0.1
21	08	84.0	-0.7	-1.5	0.0	1.4	1.3	-0.9	0.7	0.4	0.5	0.1
21	10	84.0	-0.7	-1.5	0.0	1.3	1.3	-1.0	0.7	0.3	0.4	0.1
21	12	84.0	-0.8	-1.5	0.0	1.3	1.2	-1.0	0.7	0.3	0.4	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
	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	1		
13			1		2		3		4		5	6
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	-16.9	1.6	-16.9	0.2	-17.0	0.1	-17.0	0.7	-16.9
16	16	64.0	2.5	-14.0	3.5	-14.0	3.7	-14.0	3.8	-14.0	0.0	-14.0
16	18	64.0	7.3	7.6	8.1	8.3	7.6	7.9	7.1	7.5	5.1	5.7
16	20	64.0	2.2	3.0	1.2	2.0	-2.3	-1.4	-2.5	-1.6	1.0	1.8
16	22	64.0	4.8	5.3	4.2	4.8	-0.1	0.7	-0.9	0.0	1.1	1.9
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		M		K	M
20			0		0		0		0		0	0
21	14	84.0	-22.9	-23.2	-25.2	-25.5	-24.7	-23.4	-23.4	-26.9	-24.7	
21	16	84.0	-19.8	-20.2	-22.2	-22.5	-21.7	-20.4	-20.4	-23.9	-21.7	
21	18	84.0	10.2	9.8	7.8	7.5	8.3	9.6	9.6	6.1	8.3	
21	20	84.0	10.0	9.6	7.7	7.3	8.1	9.4	9.4	5.9	8.1	
21	22	84.0	9.4	9.0	7.1	6.7	7.6	8.9	8.9	5.3	7.5	

	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	
			137.0	50.5	2.00	2.00	2.00	0	A887	A882	2	
13			1		2		3		4		5	6
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	0.7	1.9	2.1	4.1	3.8	11.7	7.9	2.3	2.4
16	23	66.1	2.4	2.9	3.9	4.2	6.3	6.2	14.5	10.8	4.5	4.7
16	27	67.2	19.1	20.1	19.6	20.6	16.0	17.0	13.1	14.1	16.1	17.1
16	31	67.2	19.1	20.1	19.4	20.4	15.0	16.0	15.3	16.3	16.1	17.1
16	35	67.3	19.1	20.1	19.7	20.7	16.1	17.1	15.7	16.7	16.1	17.1
16	39	67.4	3.8	4.8	3.4	4.4	2.0	3.0	9.3	10.3	6.4	7.4
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	84.0	-0.4	-0.3	0.1	-0.1						
21	23	84.0	2.6	2.6	3.1	2.9						
21	27	84.0	34.9	34.9	35.4	35.2						
21	31	84.0	34.8	34.9	35.4	35.1						
21	35	84.0	35.3	35.4	35.8	35.6						
21	39	84.0	26.9	27.0	27.5	27.2						

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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
URS07800	URS	110.0	108.2	53.4	2.16	0.78	10	A883	A884	1		
		110.0	60.0	2.00	2.00		0	A887	A882	2		
13												
14												
15												
16												
17												
18												
19												
20												
21												

	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												
14												
15												
16	01	62.5	4.1	4.3	6.4	6.2	17.9	11.4	17.4	11.3	12.0	9.6
16	05	62.5	3.7	4.0	5.7	5.6	16.3	11.1	16.7	11.2	10.7	9.0
16	09	62.6	3.7	4.0	5.8	5.7	16.3	11.1	16.7	11.2	10.8	9.0
16	13	62.6	3.6	3.9	5.7	5.6	15.4	10.9	14.9	10.7	10.5	8.9
17												
18												
19												
20												
21	01	84.0	2.9	4.1	5.0	2.6	3.1	4.1	2.4	3.4	2.3	
21	05	84.0	2.8	4.1	5.0	2.6	3.1	4.1	2.4	3.4	2.3	
21	09	84.0	2.8	4.1	5.0	2.6	3.1	4.1	2.4	3.4	2.3	
21	13	84.0	2.8	4.1	5.0	2.6	3.1	4.0	2.4	3.3	2.3	

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PAG. 25

MARGE DE 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		
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	10.2	12.9	11.3	18.7	13.6	16.5	12.9	13.5	11.6
17		-158.0	-160.0	-158.0								
18		20.0	23.0	22.5								
19		D	D	D								
20		0	0	0								
21	17	84.0	5.3	4.8	5.1							

	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		
13			1									
14		144.7										
15		13.4										
16	02	63.4	7.1	5.9								
16	06	63.4	7.1	5.8								
16	10	63.4	7.2	6.0								
16	14	63.5	7.2	6.0								
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	02	84.0	0.4	1.7	2.5	0.1	0.7	1.6	-0.1	0.9	-0.2	
21	06	84.0	0.1	1.4	2.3	-0.1	0.4	1.4	-0.3	0.7	-0.4	
21	10	84.0	0.4	1.7	2.5	0.1	0.7	1.6	-0.1	0.9	-0.1	
21	14	84.0	0.4	1.7	2.5	0.1	0.7	1.6	0.0	0.9	-0.1	

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PAG. 26

MARGE DE 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	13.1	0.60	0.60	0	A883	A884	2		
		-157.5		21.0	2.02	0.60	115	A887	A882	1		
13												
14												
15												
16	18	63.5	7.3	6.8								
17												
18												
19												
20												
21	18	84.0	2.5	2.1	2.3							

	1	2	3	4	5	6	7	8	9	10	11	12
MRA33200	USA	122.0	145.9	16.9	1.20	0.60	76	A883	A884	1		
		151.1	11.6	6.48	3.49	179	A887	A882	2			
13												
14												
15												
16	03	63.5	-3.5	-2.6	4.5	4.7	2.6	3.1				
16	07	63.5	-3.6	-2.7	4.5	4.7	2.6	3.1				
16	11	63.6	-3.6	-2.7	4.5	4.7	2.6	3.1				
16	15	63.6	-3.6	-2.7	4.5	4.7	2.6	3.1				
17												
18												
19												
20												
21	03	84.0	2.8	4.1	5.0	2.6	3.1	4.0	2.4	3.3	2.3	
21	07	84.0	2.8	4.1	5.0	2.6	3.1	4.0	2.4	3.3	2.3	
21	11	84.0	2.8	4.1	5.0	2.6	3.1	4.0	2.4	3.3	2.3	
21	15	84.0	2.8	4.1	5.0	2.6	3.1	4.0	2.4	3.3	2.3	

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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
MRA33201	USA	122.0	145.9	16.9	1.20	0.60	76	A883	A884	1		
		-157.5	21.0	2.02	0.60	115	A887	A882	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	9.2	7.6	7.7	6.2	6.6				
17		-158.0	-160.0	-158.0								
18		20.0	23.0	22.5								
19		D	D	D								
20		0	0	0								
21	19	84.0	5.6	5.2	5.4							

	1	2	3	4	5	6	7	8	9	10	11	12
AUS00700	AUS	128.0	145.0	-38.1	1.83	1.39	134	A883	A884	2		
		133.6	-24.4	6.75	5.90	172	A887	A882	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	1.8	2.8	1.9	2.9	3.0	4.0	1.3	2.3	3.2	4.2
16	08	63.4	1.9	2.9	2.0	3.0	3.0	4.0	1.3	2.3	3.3	4.3
16	12	63.4	1.8	2.6	1.9	2.7	2.8	3.6	1.1	2.0	3.1	3.9
16	16	63.5	6.7	7.2	8.1	8.4	9.9	9.9	5.8	6.4	7.7	8.1
16	20	63.5	6.6	7.1	8.0	8.3	9.8	9.8	5.8	6.4	7.6	8.0
16	24	63.6	7.0	8.0	8.5	9.5	11.7	12.7	6.6	7.6	8.0	9.0
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	84.0	21.9	22.1	22.2	22.7	21.5	23.5	21.9	21.7	23.2	24.7
21	08	84.0	21.9	22.1	22.2	22.7	21.5	23.5	21.9	21.7	23.2	24.7
21	12	84.0	7.4	7.6	7.7	8.1	7.0	8.9	7.4	7.2	8.7	10.1
21	16	84.0	7.4	7.6	7.7	8.1	7.0	8.9	7.4	7.2	8.7	10.1
21	20	84.0	7.3	7.6	7.7	8.1	6.9	8.9	7.3	7.2	8.7	10.1
21	24	84.0	23.5	23.7	23.9	24.3	23.1	25.1	23.5	23.3	24.8	26.3

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
	AUS00800	AUS	128.0	145.9	-21.5	2.90	2.00	120	A883	A884	2	
13			1		2		3		4		5	6
14			139.3		142.8		149.0		141.1		149.2	153.4
15			-17.3		-24.4		6.78		-29.0		-24.2	-21.2
16	02	63.8	7.2	7.9	4.1	4.9	2.8	3.7	3.1	4.0	10.3	10.7
16	06	63.7	7.2	7.9	4.1	4.9	2.8	3.7	3.0	3.9	10.3	10.7
16	10	63.8	7.3	8.0	4.2	5.0	2.8	3.7	3.1	4.0	10.4	10.8
16	14	63.9	7.0	7.2	4.1	4.7	2.7	3.4	3.0	3.7	10.0	9.6
16	18	63.9	7.3	7.7	8.3	8.6	2.7	3.5	3.0	3.8	11.3	11.0
16	22	64.0	7.3	7.8	8.5	8.8	2.7	3.5	3.0	3.8	11.4	11.1
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	K
20			0		0		0		0		0	0
21	02	84.0	9.8	10.1	10.2	10.6	9.4	11.4	9.8	9.6	11.1	12.6
21	06	84.0	9.8	10.1	10.2	10.6	9.4	11.4	9.8	9.6	11.1	12.6
21	10	84.0	9.9	10.2	10.3	10.7	9.5	11.5	9.9	9.7	11.2	12.7
21	14	84.0	5.5	5.8	5.9	6.3	5.1	7.1	5.5	5.3	6.8	8.3
21	18	84.0	7.3	7.5	7.6	8.0	6.9	8.9	7.3	7.1	8.6	10.1
21	22	84.0	7.4	7.6	7.7	8.1	7.0	8.9	7.3	7.2	8.7	10.1

	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	
13			1		2		3		4		5	6
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	5.4	6.4	5.8	6.8	3.9	4.9
16	07	64.1	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9
16	11	64.2	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.9	4.9
16	15	64.2	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5	5.5
16	19	64.3	5.1	6.0	4.8	5.8	6.3	7.2	6.5	7.4	4.5	5.5
16	23	64.3	5.1	6.0	4.8	5.8	6.4	7.3	6.6	7.5	4.5	5.5
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	K
20			0		0		0		0		0	0
21	28	84.0	20.3	20.6	20.7	21.1	19.9	21.9	20.3	20.1	21.6	23.1
21	32	84.0	20.3	20.6	20.7	21.1	19.9	21.9	20.3	20.1	21.6	23.1
21	36	84.0	20.3	20.6	20.7	21.1	19.9	21.9	20.3	20.1	21.6	23.1
21	40	84.0	20.3	20.6	20.7	21.1	19.9	21.9	20.3	20.1	21.6	23.1
21	26	84.0	15.6	15.9	16.0	16.4	15.2	17.2	15.6	15.4	16.9	18.4
21	30	84.0	15.6	15.9	16.0	16.4	15.2	17.2	15.6	15.4	16.9	18.4

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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
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	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	2.3	2.8	3.5	1.3	2.1	3.0	3.7	2.8	3.5
16	17	64.8	15.0	12.8	14.9	12.8	12.0	11.1	16.0	13.3	14.1	12.4
16	21	64.9	15.3	13.0	15.1	12.9	12.1	11.2	16.3	13.4	14.3	12.5
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	6.3	7.3	5.6	6.3	7.0					
21	17	84.0	6.5	7.5	5.7	6.4	7.1					
21	21	84.0	6.5	7.5	5.7	6.4	7.1					

	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	0.60	0	A887	A882	A882	2	
13			1		2		3		4		5	
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	36.2									
21	07	84.0	36.2									
21	11	84.0	36.2									
21	15	84.0	36.2									

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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
NCL10000	F	140.0	166.0	-21.0	1.14	0.72	146	A883	A884	1		
		166.0	-21.0	1.14	0.72	146	A887	A882	A882	2		
13			1		2		3					
14		164.0		167.2		167.5						
15		-19.7		-20.8		-23.0						
16	02	63.8	-1.9	-5.9	-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	-14.2							
21	06	84.0	-12.9	-12.8	-14.2							
21	10	84.0	-12.9	-12.8	-14.2							

	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	A882	2		
13			1		2		3					
14		164.0		167.2		167.5						
15		-19.7		-20.8		-23.0						
16	14	63.9	-1.9	-5.9	-2.8	-6.2	-3.3	-6.4				
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						

MARGE DE 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	
13												
14												
15												
16												
16												
16												
16												
16												
16												
16												
16												
17												
18												
19												
20												
21												
21												
21												
21												
21												
21												
21												
21												

	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	
13												
14												
15												
16												
16												
16												
16												
17												
18												
19												
20												
21												
21												
21												
21												

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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
	URS08100	URS	140.0	168.5	65.5	1.96	0.60	168	A883	A884	1	
			168.5	65.5	2.00	2.00		0	A887	A882	2	
13				1		2		3		4		5
14			-179.2		179.5		158.1		176.3		174.3	
15			65.5		62.6		67.8		68.0		61.7	
16	22	68.1	32.3	32.9	28.0	28.9	12.9	13.9	33.1	33.6	28.7	29.5
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	84.0	33.8	33.9	33.9	33.6						

	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	8.3	6.6	5.6	11.6	8.1				
16	07	62.9	12.2	8.3	6.7	5.7	11.7	8.1				
16	11	63.0	12.2	8.3	6.7	5.7	11.7	8.1				
16	15	63.0	12.5	8.4	6.7	5.7	11.8	8.2				
17			166.9	169.8	168.3							
18			-15.0	-20.0	-17.7							
19			P	N	N							
20			0	0	0							
21	26	84.0	2.2	0.0	3.6							
21	30	84.0	2.2	0.0	3.6							
21	34	84.0	2.2	0.0	3.6							
21	38	84.0	2.2	0.0	3.6							

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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
		WAL10200	F	140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	
					-176.8	-14.0	0.74	0.60	29	A887	A882	2	
13					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		-1.5	-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	
13					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		-1.5	-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							

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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
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	2			
13			1									
14			166.6									
15			19.3									
16	01	63.6	17.8	3.6								
16	05	63.7	17.5	3.6								
16	09	63.7	17.4	3.6								
16	13	63.7	17.3	3.6								
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	84.0	-6.0	-4.8	-3.9	-6.2	-5.8	-4.6	-6.3	-5.2	-6.3	
21	05	84.0	-6.0	-4.8	-3.9	-6.2	-5.8	-4.6	-6.3	-5.2	-6.3	
21	09	84.0	-6.0	-4.8	-3.9	-6.2	-5.8	-4.6	-6.3	-5.2	-6.3	
21	13	84.0	-5.9	-4.7	-3.8	-6.1	-5.7	-4.4	-6.2	-5.1	-6.2	

	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	84.0	14.2	14.7	14.3	14.7	14.4	14.6				

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
MRL33300	USA	146.0 153.1	166.7 11.5	7.9 7.87	1.50 3.64	1.50 1	177 A883	A884 A887	1 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	13.4	17.1	17.1	13.6	14.1	14.0	14.5	15.6	15.9
16	06	63.3	12.8	13.4	17.1	17.1	13.6	14.1	14.0	14.5	15.6	15.9
16	10	63.4	13.2	13.8	17.3	17.3	13.8	14.3	14.1	14.6	15.9	16.2
16	14	63.5	13.3	13.9	17.3	17.4	13.8	14.4	14.1	14.6	16.0	16.3
17			134.6		138.6		144.5		145.0		146.0	
18			7.5		9.5		13.0		20.0		4.0	
19			P		P		N		P		D	
20			0		0		0		0		N	
21	02	84.0	14.2	15.4	16.3	14.1	14.8		16.0	14.1	15.1	14.1
21	06	84.0	14.2	15.4	16.3	14.1	14.8		16.0	14.1	15.1	14.1
21	10	84.0	14.5	15.8	16.6	14.4	15.1		16.3	14.4	15.4	14.4
21	14	84.0	14.6	15.8	16.7	14.5	15.1		16.3	14.5	15.5	14.5

	1	2	3	4	5	6	7	8	9	10	11	12
MRL33301	USA	146.0 -157.5	166.7 21.0	7.9 1.63	1.50 0.67	1.50 131	177 A883	A884 A887	1 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	16.4	19.6	19.6	16.9	17.3	18.5	18.7	19.0	19.1
17			-155.0		-158.0		-160.0		-158.0		-156.0	
18			19.0		20.0		23.0		22.5		21.5	
19			N		D		D		D		D	
20			0		0		0		0		0	
21	18	84.0	16.6	17.1	16.7		17.2		16.5		16.5	

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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
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			
13			1		2		3		4		5	
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
16	05	63.8	6.3	7.3	4.8	5.8	10.2	11.2	10.5	11.5	9.7	10.7
16	09	63.8	6.2	7.2	4.7	5.7	10.1	11.1	10.5	11.5	9.7	10.7
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	N	N	N		
20		0	0	0	0	0	0	0	0	0		
21	01	84.0	27.0	26.4	26.7	26.7	26.5	27.0				
21	05	84.0	26.6	25.9	26.3	26.3	26.1	26.6				
21	09	84.0	26.6	25.9	26.3	26.3	26.1	26.6				

	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		
		-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	11.8	16.3	12.3	15.3	11.9	17.6	12.6	18.6	12.9
16	06	64.6	14.9	11.8	16.2	12.2	15.2	11.9	17.6	12.6	18.5	12.8
16	10	64.7	14.9	11.8	16.2	12.2	15.2	11.9	17.6	12.6	18.5	12.8
16	14	64.8	14.9	11.8	16.2	12.2	15.2	11.9	17.5	12.6	18.5	12.8
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	02	84.0	6.8	5.1	3.9	7.0		8.2				
21	06	84.0	6.8	5.1	3.9	7.0		8.2				
21	10	84.0	6.8	5.1	3.9	7.0		8.2				
21	14	84.0	6.8	5.1	3.9	7.0		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
CKH05300	NZL	158.0	-163.0	-11.2	1.76	0.72	30	A883	A884	2			
		-161.0	-19.8	1.00	0.60	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	7.9	7.6	7.5	7.6	7.5	
16	08	64.3	3.6	4.1	4.1	4.6	8.0	7.9	7.6	7.5	7.5	7.5	
16	12	64.4	3.6	4.1	4.1	4.6	8.0	7.9	7.6	7.5	7.5	7.5	
16	16	64.5	3.7	4.2	4.3	4.8	8.3	8.1	8.0	7.9	7.9	7.8	
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	4.2	4.9	6.3	5.3	4.2	5.0	6.5			
21	08	84.0	5.2	4.2	4.9	6.3	5.3	4.2	5.0	6.5			
21	12	84.0	5.2	4.2	4.9	6.3	5.3	4.2	5.0	6.5			
21	16	84.0	5.4	4.3	5.1	6.4	5.4	4.4	5.2	6.6			

		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			
		-169.8	-19.0	0.60	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										

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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	
			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		
16	05	63.4	15.4	13.3	15.3	13.2	15.2	13.2	16.1	13.6		
16	09	63.4	15.5	13.3	15.4	13.3	15.2	13.2	16.1	13.6		
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	01	84.0	10.1	10.7	9.6	10.2						
21	05	84.0	6.6	7.3	6.2	6.8						
21	09	84.0	6.6	7.3	6.2	6.8						
21	13	84.0	6.8	7.4	6.4	7.0						

	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	
				-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	22.5							
21	24	84.0	21.2	20.4	22.5							

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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
SM005700	SM0	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		
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	9.2	7.7	7.7	9.5	9.0	6.7	6.9		
16	07	63.7	9.7	9.2	7.7	7.7	9.5	9.0	6.7	6.9		
16	11	63.8	9.7	9.2	7.7	7.7	9.5	9.0	6.7	6.9		
16	15	63.8	9.7	9.2	7.7	7.7	9.5	9.0	6.7	6.9		
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	7.7	5.5	7.7	4.5						
21	07	84.0	7.7	5.5	7.7	4.5						
21	11	84.0	7.7	5.5	7.7	4.5						
21	15	84.0	7.7	5.5	7.7	4.5						

	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	6.5	6.3	6.5						
16	05	62.4	5.5	5.4	5.5	5.4						
16	09	62.5	5.5	5.4	5.5	5.4						
16	13	62.6	5.5	5.4	5.5	5.4						
17			-170.7		-171.0		-169.6		-162.4		-162.0	
18			-14.3		-11.0		-14.2		6.1		5.8	
19			N		N		N		N		N	
20			0		0		0		0		0	
21	01	84.0	4.9	4.8	4.6	5.3	4.7					
21	05	84.0	2.9	2.8	2.6	3.3	2.7					
21	09	84.0	2.9	2.8	2.6	3.3	2.7					
21	13	84.0	2.9	2.8	2.6	3.3	2.8					

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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
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												
14												
15												
16	17	62.6	5.6	5.7	5.6	5.7						
17												
18												
19												
20												
21	17	84.0	4.1	4.0	5.5	4.3	2.8	4.1	4.5			

	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												
14												
15												
16	01	61.2	12.6	10.8	13.5	11.2	13.3	11.1	0.4	1.2		
16	05	61.3	8.2	8.0	9.0	8.5	8.8	8.4	-3.4	-2.5		
16	09	61.3	8.2	8.0	9.0	8.5	8.8	8.4	-3.5	-2.6		
16	13	61.3	8.2	8.0	9.0	8.5	8.7	8.3	-3.5	-2.6		
17												
18												
19												
20												
21	02	84.0	4.9	4.7	4.6	5.3	4.7	4.0				
21	06	84.0	4.9	4.7	4.6	5.3	4.7	4.0				
21	10	84.0	4.9	4.7	4.6	5.3	4.7	4.0				
21	14	84.0	4.9	4.7	4.6	5.3	4.7	4.0				

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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
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	8.1	9.5	8.6	9.2	8.4	-3.1	-2.2		
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	18	84.0	4.4	4.3	5.8	4.6	3.1	4.4	4.8			

	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	8.0	4.5	5.2	10.1	10.2	12.7	12.1	12.4	11.9
16	08	63.3	7.5	8.0	4.6	5.3	10.1	10.2	12.7	12.1	12.4	11.9
16	12	63.4	7.6	8.1	4.6	5.3	10.2	10.2	13.1	12.4	13.0	12.3
16	16	63.5	7.7	8.7	4.6	5.6	10.3	11.3	13.2	14.1	13.2	14.1
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	N				
20			0	0	0	0	0	0				
21	04	84.0	7.6	7.4	8.9	9.2	7.3					
21	08	84.0	7.6	7.4	8.9	9.2	7.3					
21	12	84.0	7.6	7.4	8.9	9.2	7.3					
21	16	84.0	21.0	20.8	22.2	22.6	20.7					

ANNEX 2

SPECIAL REQUIREMENTS

AUSTRALIA (AUS004/5/6/7/9)

- 1) Both feeder-link receive beams shall use the "fast roll off" characteristic defined in the Region 2 plan satellite reference antenna pattern (Appendix 30A, Annex 3, Figure 5).

Note
No. _____ Note
reflected

X

COOK ISLANDS (CKH052)

- 2) It requires one additional feeder link from New Zealand.

X

COOK ISLANDS (CKH053)

- 3) It requires one additional feeder link from the Cook Islands.

X

FEDERAL REPUBLIC OF GERMANY

- 4) The Federal Republic of Germany intends to keep its feeder-link characteristics as precoordinated for its TV-SAT System according to Resolution No. 102 for the final BSS feeder-link plan. The subject is presently under discussion with the Administration of Switzerland.

X

For the first planning exercise during the ORB-88, however, the IFRB may use the feeder link data for the Federal Republic of Germany as presently contained in the IFRB requirement file.

DENMARK (DNK089/90/91)

- 5) It is required that the feeder-link beam DNK090 be used for both DNK089 and DNK090 down-link beams.
- 6) Furthermore, it is required, that the down-link beam DNK091 (channels 27, 35) to the Faeroe Islands be fed from the Faeroe Islands by up-link channels 24 and 36 respectively.
- 7) In addition, it is required that the down-link beam DNK090 (channels 24 and 36) also be fed from Iceland (beam ISL050) and the Faeroe Islands (beam DNK091) by up-link channels 23 and 35 respectively.
- 8) For down-link channels in the beam DNK090 it is required, that these channels be fed from any optional up-link channel in beams DNK091 and ISL050 in addition to any up-link channel in beams DNK090, FNLL104, NOR121 and S139. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above.

X

X

X

X

- 9) In addition to the standard requirements for feeder link for the beam DNK091, it is required that this beam (channels 27 and 35) also be fed from Norway (beam NOR121) and Denmark (beam DNK090) by the up-link channels 28 and 36 respectively. Similarly, it is required that the beam DNK091 (channels 27 and 35) can also be fed from Finland (beam FNL104) and Sweden (beam S139) by the up-link channels 26 and 34 respectively. X
- 10) For down-link channels in the beam DNK091 it is required, that these channels be fed from any optional up-link channel in beams DNK090, FNL104, NOR121 and S139, in addition to any up-link channel in beams DNK090 and ISL050. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above. X ✓
- 11) Finally, it is required, that the down-link beam DNK091 (channels 27 and 35) also be fed from the continental Denmark (beam DNK090) by any of the channels 12, 16 and 20. One set of up- and down-link combinations has been indicated for calculation purposes. X

FINLAND (FNL103/104)

- 12) It is required that the feeder-link beam FNL104 be used for both FNL103 and FNL104 down-link beams. X
- 13) In addition, it is required that the down-link beam FNL104 (channels 22 and 26) also be fed from Iceland (beam ISL050) and the Faeroe Islands (beam DNK091) by up-link channels 23 and 27 respectively. X
- 14) For down-link channels in beam FNL104, there is a requirement to feed these channels from any optional up-link channel in beams DNK091 and ISL050 in addition to any up-link channel in beams DNK090, FNL104, NOR121 and S139. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above. X

ICELAND (ISL049/50)

- 15) In addition to the standard requirement for feeder link for the down-link beam ISL050, it is required that this beam (channels 23, 31 and 39) also be fed from Denmark (beam DNK090), Norway (beam NOR121) and Sweden (beam S139) by up-link channels 24, 32 and 40 respectively. Similarly, it is required that the down-link beam ISL050 (channels 23, 31 and 39) also be fed from Finland (beam FNL104), Sweden (beam S139) and Norway (beam NOR121) by up-link channels 22, 30 and 38 respectively. X
- 16) For down-link channels in the beam ISL050, there is a requirement to feed these channels from any optional up-link channel in beams DNK090, FNL104, NOR121 and S139 in addition to any up-link channel in beams DNK091 and ISL050. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above. X

Note No.	Not reflected
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IRAN (IRN109)

- 17) Channels required in 14 GHz and 17 GHz.

X

LAOS

- 18) Requirement for an additional common beam with Kampuchea and Burma

X

MAYOTTE (MYT09800)

- 19) Two sets of feeder-link beams.

MONGOLIA (MNG248)

- 20) The following characteristics have to be considered:

X

Diam.antenna earth station: 7 m
e.i.r.p./channel : 89 dBW
Temp. Sat. Receiver : 3000 K

NEW CALEDONIA (NCL100)

- 21) Two sets of feeder-links beams.

NEW ZEALAND (NIU054)

- 22) It requires one additional feeder link from New Zealand

X

NEW ZEALAND (TKL058)

- 23) It requires one additional feeder link from New Zealand

X

NORWAY (NOR120/121)

- 24) It is required that the feeder-link beam NOR121 be used for both NOR120 and NOR121 down-link beams.

X

- 25) In addition, it is required that the down-link beam NOR121 (channels 28 and 32) also be fed from the Faeroe Islands (beam DNK091) and Iceland (beam ISL050) by up-link channels 27 and 31 respectively.

X

- 26) For down-link channels in the beam NOR121 there is a requirement to feed these channels from any optional up-link channel in beams DNK091 and ISL050, in addition to any up-link channel in beams DNK090, FNL104, NOR121 and S139. For planning exercises, it is, however, sufficient to test those feeder-link channels which have been mentioned above.

X

REUNION (REU097)

- 27) Two sets of feeder-link beams.

PAKISTAN

- 28) Considering that Pakistan has already planned a satellite network (PAKSAT) in 14.5 - 14.8 GHz (feeder link), the coordination process which is underway and some administrations have already conveyed their coordination agreement and further considering that Pakistan's northern areas have heavy rain attenuation (8-11 dB at 12 GHz). It is requested that some channels in 14.5 - 14.8 GHz be allocated to Pakistan.

Five up-links in 14.5 - 14.8 GHz corresponding to channel Nos. 2, 6, (National Beams) + (three Spot Beams corresponding to 4, 8, 12, and six up-links in 17.3 - 18.1 GHz corresponding to 10, 14, 18, 20, 22 and 24 channel numbers.

SWEDEN (S138/139)

- 29) It is required that the feeder-link beam S139 be used for both S138 and S139 down-link beams. X
- 30) In addition, it is required that the down-link beam S139 (channels 30 and 40 also be fed from Iceland (beam ISL050) by up-link channels 31 and 39 respectively. X
- 31) For down-link channels in the beam S139 there is a requirement to feed these channels from any optional up-link channel in beams DNK091 and ISL050 in addition to any up-link channel in beams DNK090, FNL104, NOR121 and S139. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above. X

SUDAN

- 32) We understand that it would be possible to transmit anywhere within the test points, preferably from big cities from where earth stations can be easily fed. Also, we would like the possibility of having 15 feeder channels transmitted from one location (e.g. Khartoum) as an additional facility to be arranged possibly through a footnote. X

USSR (URS059/60/61/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81)

BYELORUSSIA (BLR062)

UKRANE (UKR063)

- 33) The following characteristics have to be considered: X

Diam.antenna earth station: 7 m
e.i.r.p./channel : 89 dBW
Temp. Sat. Receiver : 3000 K

- 34) Multiple feeder-link beams required.

Note No.	Not reflected
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UNITED STATES - CAROLINE ISLANDS (CAR338)
- GUAM (GUM331)
- MARIANA ISLANDS (MRA332)
- MARSHALL ISLANDS (MRL333)
- PALMYRA ISLANDS (PLM337)
- AMERICAN SAMOA (SMA335)
- WAKE ISLAND (WAK334)

35) Two sets of feeder-link beams

36) The following characteristic has to be considered:

e.i.r.p./channel: 87 dBW

X

WALLIS (WALL02)

37) Two sets of feeder-link beams

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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 212-E
7 September 1988
Original: English

SUB-WORKING
GROUP 5-A-2

NOTE FROM THE CHAIRMAN OF SUB-WORKING GROUP 5-A-1
TO THE CHAIRMAN OF SUB-WORKING GROUP 5-A-2

During the meeting of Sub-Working Group 5-A-1 held on Tuesday, 6 September 1988, the following points of interest to Sub-Working Group 5-A-2 were raised:

1. Power control

In conditions of severe fading on a feeder link, the use of power control may cause a great level of interference to other feeder links using opposite polarization. This situation would be caused by the increased depolarization due to rain on the faded feeder link using power control. In fact, power control restores the interfering signal theoretically to its clear sky value but depolarization due to rain causes part of this signal to be changed to the opposite polarization.

Sub-Working Group 5-A-2 is requested to examine the problem and suggest guidelines on the usage of power control so as to avoid the associated inconveniences described above.

2. e.i.r.p value

It has been agreed that the first planning exercise will be carried out for clear sky propagation conditions with uniform e.i.r.p values:

84 dBW for the 17 GHz band; and

82 dBW for the 14 GHz band (ref. Document 182).

However, some administrations requested higher e.i.r.p values to compensate for rain attenuation. These requirements could render the compatibility with other feeder links more difficult.

Sub-Working Group 5-A-2 is requested to examine the problem and suggest appropriate e.i.r.p values for the forthcoming planning exercises.

L. TOMATI
Chairman of Sub-Working Group 5-A-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 213-E
12 September 1988
Original: English

COMMITTEE 5

SUMMARY RECORD

OF THE

FIFTH MEETING OF COMMITTEE 5

(BROADCASTING SATELLITE SERVICE (BSS)
MATTERS AND ASSOCIATED PROCEDURES)

Thursday, 8 September 1988, at 0900 hrs

Chairman: Mr. D. SAUVET-GOICHON (France)

Subjects discussed:

Documents

- | | | |
|----|---|-----|
| 1. | Approval of the summary record
of the third meeting of Committee 5 | 162 |
| 2. | Second report of Working Group 5-A
to Committee 5 | 203 |
| 3. | First and second reports of
Working Group 5-B to Committee 5 | 173 |

1. Approval of the summary record of the third meeting of Committee 5
(Document 162)

The summary record was approved.

2. Second report of Working Group 5-A to Committee 5 (Document 203)

2.1 The Chairman of Working Group 5-A, presenting the second report orally, said that the text of the report was contained in Document 203, which would shortly be available. He stressed that the analysis for purposes of the feeder-link development plan for Regions 1 and 3, to be made available to all administrations, was for consultation only; further draft planning would have to take into account some later requirements submitted by administrations so as to add them to the software and appraise their impact on the Plan. All requests submitted hitherto were in the computer and the details were available to the Conference. Working Group 5-A proposed that it should concentrate on those changes required in order to enhance the Plan, ensuring that any requested modifications were acceptable to all administrations, so as to ensure an orderly development of the Plan. Sub-Working Group 5-A-1 ad hoc 1 had been formed; its composition and terms of reference were set out in Document 203. Procedures had been established to ensure that any modifications received would be documented and that the IFRB would be given accurate details, in accordance with the procedure outlined in Document DT/31(Rev.1). In view of Working Group 5-B's considerable documentation task, he suggested that Working Group 5-A should be mandated to prepare the text related to Annex 3 to Appendix 30A.

2.2 Mr. Brooks (IFRB) said that the results of the first planning exercise would be found in Document 211 and Addendum 1, to be circulated shortly.

2.3 The Chairman proposed that Working Group 5-A should be asked to work on the text of Annex 3 to Appendix 30A and that Working Group 5-B should be mandated to check the text, once approved, with regard to the procedure for its embodiment in that Appendix. Accordingly, Working Group 5-A would be requested to produce the text within one week at most, even if some items had to appear within square brackets.

It was so agreed.

3. First report of Working Group 5-B to Committee 5 (Document 173)

3.1 The Chairman of Working Group 5-B, introducing the first report contained in Document 173, drew attention to two corrections to be made to the English text: in the first sentence of section 2, the words "Taking Document 39 as a basis" should be deleted, and, at the end of the second indent, the parentheses should be deleted from the word "near" and the words "must also be" replaced by "may also have to be".

Presenting the second report orally, he said that Sub-Working Group 5-B-1 had been established and would base its work on Document DL/5, which listed the Regulations in force, the relevant internal IFRB Rules of Procedure and those proposals from administrations that referred to specific provisions of the Appendix. Working Group 5-B had completed its work on RR 480 and proposed its replacement by RARC BC-R2(2)-88 Recommendation COM5/A, annexed to Document 14; the Delegation of France had reserved its position on the subject, regarding which a fresh document would be issued no later than the end of the following week.

The Working Group's most difficult discussion had been the correction of possible minor errors in the text of Appendix 30. The Argentine Delegation had disputed, in Document 135, the Conference's competence to make corrections - a contention supported by some administrations and disputed by others. Accordingly, Sub-Working Group 5-B-1 had been instructed first of all to study the application of Appendix 30 with a view to identifying the issues of concern in order to seek a solution which implied no amendment of the Radio Regulations, and to report to Working Group 5-B. Document 40 had been taken as a basis for consideration of Resolution 505. One administration had called for a footnote to Article 8 of the Radio Regulations for the purpose of carrying out experiments between 1 517 and 1 521 MHz. All administrations had agreed that the actual allocations should be made at the next competent Conference - for example, a special allocation conference for the frequency range 0.5 - 3 GHz - to be convened by the 1989 Plenipotentiary Conference.

It was generally agreed that the CCIR should continue its studies and receive clear instructions, both on frequency band limits for that kind of service and on the question of sharing, especially on a geographical basis. Sub-Working Group 5-B-2 would try to draw up a text for a suitable Resolution. With regard to agenda item 11 (satellite HDTV), the general conclusion was that Region 1 should have the same potential as Regions 2 and 3 in the development of that service. The Working Group had based its task on Document 42; various frequency ranges had been proposed, but the range 11.7 - 23 GHz was to be viewed as setting the outer limits. All administrations deemed a world-wide allocation desirable, although some thought it not essential; in any case, the question of feeder-links, which concerned both Resolution 505 and HDTV, would have to be taken into account. Sub-Working Group 5-B-2 had the task of drafting a text for a suitable Resolution.

3.2 The Chairman said he felt encouraged to hope that the work on two topics - Note 480 and Resolution 2 (SAT-R2) - would be completed very shortly and that a deadline of one week could be set for the issue of some initial documents. He thanked the Chairmen of Working Groups 5-A and 5-B for their reports.

The meeting rose at 0925 hours.

The Secretary:

G. MESIAS

The Chairman:

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

Corrigendum 1 to
Document 214-E
23 September 1988
Original: English

COMMITTEE 6

SUMMARY RECORD
OF THE
THIRD MEETING OF COMMITTEE 6

After paragraph 7.10, insert the following:

"Paragraph 4.6

Approved."

CONF\ORB-2\DOC\214C1E.TXS

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 214-E
13 September 1988
Original: English

COMMITTEE 6

SUMMARY RECORD

OF THE

THIRD MEETING OF COMMITTEE 6

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

Thursday, 8 September 1988, at 1400 hrs

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

<u>Subjects discussed:</u>	<u>Documents</u>
1. Approval of the summary records of the first and second meetings of Committee 6	123, 137
2. Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	147
3. Note from the Chairman of Committee 3 to the Chairmen of Committees 4, 5 and 6	160
4. General schedule of the work of the Conference	115(Rev.)
5. First report of Working Group 6-A to Committee 6	175
6. First report of Working Group 6-B to Committee 6	159
7. Note and first report from the Chairman of Working Group 6-C to Committee 6	188, 181

1. Approval of the summary records of the first and second meetings of Committee 6 (Document 123, 137)

1.1 Summary record of the first meeting (Document 123).

The summary record was approved, as amended by the Delegation of the United States (see Corr.1 to Document 123).

1.2 Summary record of the second meeting (Document 137)

The summary record was approved as amended by the Delegations of Canada, New Zealand and the United States and the Vice-Chairman of the IFRB (see Corr.1 to Document 137).

1.2.1 The Delegation of Turkey, referring to paragraph 1.24, said his Delegation hoped that the IFRB would consult the administrations concerned before a new document was submitted in place of Document 111.

2. Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6 (Document 147)

2.1 The Chairman of Group 6-B ad hoc 1, referring to a comment by the delegate of France about time limits for replies to the questions and comments annexed to Document 147, said that his first report had been drafted and, subject to the Group's consideration at its next meeting, would be submitted to Committee 6 as quickly as possible.

On that understanding, the Committee took note of Document 147 and agreed to transmit it to Working Group 6-B.

3. Note from the Chairman of Committee 3 to the Chairmen of Committees 4, 5 and 6 (Document 160)

The Committee took note of Document 160.

4. General schedule of the work of the Conference (Document 115(Rev.))

The Committee took note of Document 115(Rev.), particularly the dates of 28 and 30 September for the end of the work of the Working Groups and the Committee respectively.

5. First report of Working Group 6-A to Committee 6 (Document 175)

5.1 The Chairman of Working Group 6-A introduced the draft report contained in Document 175, pointing out that it had not yet been formally approved by the Working Group.

5.2 The Chairman explained, in reply to a question by the delegate of Côte d'Ivoire asking the reason why the Working Group 6-A had only one meeting, that the delay in convening its meeting was due to the time required to coordinate meeting schedules so as to avoid overlapping.

5.3 The delegate of India wished to know which body of Committee 6 was competent to discuss a possible change to Article 10 of the Radio Regulations, mentioned in Document 175.

5.4 The Chairman of Working Group 6-A said that he would raise that point at the Working Group's next meeting, with a view to reporting to Committee 6.

The Committee took note of the draft report contained in Document 175.

6. Report by the Chairman of Working Group 6-B (Document 159)

6.1 The Chairman of Working Group 6-B said that the Group had held three meetings and that the work was proceeding satisfactorily. Mr. Sonneson (Sweden), who had been designated to preside over both Sub-Working Groups 6-B-1 and the ad hoc Group dealing with proposals relating to Appendices 3 and 4, had indicated that the chairmanship of the latter Group should be reassigned, and Mr. Christensen (Luxembourg) had undertaken the task. The concept of coordination under Article 11 at the network level had been discussed, and Document DT/19(Rev.) embodied the basic principles involved; another ad hoc Group, presided over by Mr. Williams (United States), would be set up to deal with that subject. TUR, LBY and LUX should be added to the list of participants at the end of paragraph 5 of Document 159. The Group was still discussing the question of proposals to amend Article 14, and it was considered that close coordination between the Working Group of the Plenary and Committee 6 was required with respect to Appendices 3 and 4.

6.2 The delegate of Venezuela said that her country's name should be deleted from the list of participants of 6-B ad hoc 1, since its small delegation could not supply members to attend the meeting..

6.3 In reply to the delegates of Argentina and Côte d'Ivoire, who pointed out, in connection with paragraph 6, that no decision had been reached in the Working Group on the competence of WARC ORB(2) to amend Article 14 of the Radio Regulations, the Chairman of Working Group 6-B said that the paragraph reflected the Group's decision at its first meeting on 1 September 1988. Discussions were still continuing at Working Group level.

The Committee took note of Document 159.

7. Note and first report by the Chairman of Working Group 6-C
(Documents 181, 188)

Document 181, draft note from the Chairman of Committee 6 to the Chairman of Committee 4 on proposed definitions dealing with the Allotment Plan was approved.

First report of Working Group 6-C

7.1 The Chairman of Working Group 6-C introduced the Document 188, drawing special attention to three decisions taken by the Group on RR 858, RR 863 and RR 884, in paragraphs 4.4, 4.5 and 4.6 and 1), 2) and 3) of the Annex, respectively, and to two points on which the Group sought the Committee's advice, set out in paragraphs 4.3 and 6.

Paragraph 4.3

7.2 The delegate of the United States said that the purpose of his Administration's proposal USA/56/10 was to simplify administrative procedures and to reduce the workload of administrations and the IFRB in the application of Article 14. The pfd trigger values concerned were mentioned in the JIWP Report, and his Delegation considered that the proposal was fully consistent with item 4 of the Conference agenda, since it clearly pertained to space services, although it did touch on terrestrial services; that aspect, however, seemed to be covered by item 12, which allowed for consequential amendments to the Radio Regulations necessitated by the decisions of the Conference. The delegate of Papua New Guinea endorsed those views.

7.3 The delegate of the USSR said that he drew the opposite conclusions from the sources cited by the United States delegate. Since the proposal related to terrestrial services, it could not be considered by WARC ORB(2).

7.4 The delegate of Canada stressed that the question at issue related to pfd trigger values and to the proposal in Document 56(Corr.3) to change the values suggested in the JIWP Report.

7.5 The Vice-Chairman of the IFRB pointed out that the issue concerned Article 8 of the Radio Regulations as well as Article 14, and consequently the competence of the Conference to modify provisions of Article 8 other than those relating to the 10.7 - 11.7 GHz band and RR 480 is to be considered. Another problematical question was whether the Conference could modify Article 14 to introduce pfd trigger values, for the invocation of the need to seek prior agreement under Article 14.

7.6 The Chairman suggested that the Committee should seek legal advice on the issue of competence from the General Secretariat and that discussions on the subject should continue in Working Group 6-B.

It was so agreed.

Paragraph 4.4

Approved.

Paragraph 4.5

7.7 The delegate of the Federal Republic of Germany suggested that the intention of the Canadian Administration might be more accurately conveyed by placing the words "except Canada" at the beginning of the last sentence of MOD 863. The delegates of the United Kingdom and France agreed that the text should be clarified.

7.8 The delegate of Canada said that the purpose of the amendment was to ensure that the 14.5 - 14.8 GHz band should be available in Canada for the fixed-satellite service.

7.9 The delegate of the USSR said that his Delegation's interpretation of the amendment was that Canada renounced the right to use the band. The suggested change in the wording was unacceptable, particularly in view of the discussions under way in Committee 5 concerning feeder links in Regions 1 and 3, necessitating additional measures to protect allotments in the Plan.

7.10 The Chairman suggested that the issue should be referred back to Working Group 6-C for discussion in the light of the debate.

It was so agreed.

The meeting rose at 1530 hours.

The Secretary:

K. ARASTEH

The Chairman:

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

Corrigendum 1 to
Document 215(Rev.1)-E
27 September 1988
Original: English

MINUTES

OF THE

THIRD PLENARY MEETING

1. New paragraph 2.5bis

Please add the following new paragraph after paragraph 2.5:

"2.5bis The delegate of Indonesia expressed his concern that decisions taken in Committee 4 had been rediscussed at the Working Group level. He referred in particular to the question of subregional systems for which a decision to accommodate them through procedures had been taken in Committee 4."

2. Please replace paragraph 2.10 by the following paragraph:

"2.10 The delegate of Indonesia said that with a view to avoiding misunderstandings, it was necessary that some clarification be given in regard to the background of the decision concerning subregional systems which had been taken with the benefit of all in mind."

3. At the end of the intervention by the Delegation of the United Kingdom in paragraph 2.17 please add the following sentences:

"Thereafter, as had been agreed by Committee 4, it would be necessary to overlay procedures for the accommodation of subregional systems. But it would also be necessary to ensure that those procedures would be effective in operation."

4. In the statement by the delegate of Colombia (paragraph 2.19) please amend the first sentence as follows:

"My Administration ... solely on the basis of the oral report by the Chairman of Committee 4 and without supporting documents ..."

(This amendment applies to the English and French versions only.)

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 215(Rev.1)-E
16 September 1988
Original: English

PLENARY MEETING

MINUTES

OF THE

THIRD PLENARY MEETING

Thursday, 8 September 1988, at 1610 hrs

Chairman: Prof. Dr. I. STOJANOVIC (Yugoslavia)

Subjects discussed:

Documents

- | | | |
|----|---|-----|
| 1. | Approval of the minutes of the first
Plenary Meeting | 112 |
| 2. | Oral reports by the Chairmen of Committees
on the progress of their work | - |
| 3. | Terms of reference of Committee 5 | 208 |

1. Approval of the minutes of the first Plenary Meeting (Document 112)

The minutes of the first Plenary Meeting, as contained in Document 112, were approved.

2. Oral reports by Chairmen of Committees on the progress of their work

2.1 Speaking on behalf of the Chairman of Committee 2, the Vice-Chairman said that the Working Group of Committee 2 had examined the credentials of 63 delegations and had found them all to be in order. The delegations concerned were listed in Document 194. The Working Group would meet again to examine any further credentials deposited with the Secretariat of the Committee. He said that he would look into the matter, raised by the delegate of Turkey, of the credentials of the Turkish Delegation which had been deposited on the second day of the Conference but were not included in the list in Document 194.

2.2 The Chairman of Committee 3 said that he had nothing to report except that all substantive committees had been requested to provide periodic reports to enable the Plenary to be informed of the financial implications of their decisions.

2.3 The Chairman of Committee 4 informed the Plenary that Working Group 4-A, chaired by Dr. Ito of Japan, had completed its work on the technical parameters for the Plan, and Group 4 ad hoc 1, chaired by Mr. N'Diongue of Senegal, had concluded its consideration of the definition of existing systems and the technical possibility of having such systems together with national systems. The Committee was thus ready to prepare a first draft of the Allotment Plan. In addition to its decisions on technical parameters and on the definition of existing systems, the Committee had decided that there should be a world-wide Plan with a single coverage per country, made up of a Part A containing the allotments (national requirements) and a Part B containing existing systems. The interaction between Parts A and B would be governed by regulatory procedures associated with the Plan.

2.4 The delegate of Colombia regretted that the ITU tradition of opening the membership of groups to interested delegations had not been upheld, with the result that Colombia had been prevented from contributing technical expertise to Sub-Working Group 4-B-1. Colombia was to have represented the Andean countries, and its membership of the Group had been supported by a number of other delegations, notably those of Cameroon, Sweden and Ecuador. Not only would the inclusion of Colombia have allowed for the contribution of technical experience resulting from the exercise carried out by the Andean Administrations, a relatively major technical and financial contribution on the part of developing countries, but also it would have improved the balance of the Group as reflecting the overall membership of the ITU. In particular, only two of the eleven members of the Group were from countries which did not have their own satellite in operation, a situation shared by some 80% of the Union Membership. Refusing to allow Colombia to participate in the Group ran counter to the aim of ensuring equitable access for all countries. His remarks, however, implied no criticism of the members of the Group or of its Chairman.

2.5 The Chairman of Working Group 4-B recalled that the membership of that Group had been restricted to eleven to ensure its efficient functioning and that it had been considered as a group of Experts, not a group representing particular countries or administrations. It was, moreover, not customary for the ITU to take account of subregional divisions. Working Group 4-B and Committee 4 itself would examine and take decisions on the work produced by the Sub-Working Group.

2.6 The delegate of Nigeria, supported by the delegate of Tanzania, referred to the decisions taken in Committee 4 and stressed that the African Administrations would need a regional allotment for their regional satellite project, in addition to their national allotments. The delegate of Tanzania also recalled the broad support expressed for including subregional systems in the Plan.

2.7 The delegate of Japan stressed the importance of conducting an analysis to identify incompatibilities between Parts A and B of the Plan with a view to improving it, and recalled the decision taken in Committee 4 to that effect.

2.8 The Chairman of Committee 4 regretted that subjects already discussed and decided upon in Committee 4 were being reopened in Plenary. He reiterated that subregional systems would be dealt with through procedures associated with the Plan. Administrations had not so far been asked to submit subregional system requirements. If this opportunity were to be given now, the outcome could very well be imagined. While sympathizing with the concerns of developing countries and their need for subregional systems, he pointed out that it was necessary to be realistic in order to establish a feasible Plan.

2.9 The delegate of Colombia said that, as many delegates had stated earlier, experiments should be made to determine whether it was feasible to include subregional systems in the Plan before a final decision was taken. The majority had spoken in favour of including subregional systems in the first phase of the Plan. The present Plenary was not competent to take a decision on the matter; the subject should be fully discussed in Committee 4.

2.10 The delegate of Indonesia supported the decisions taken in Committee 4 and asked for a clarification of their status, with a view to avoiding misunderstandings. He stressed that decisions taken should be for the benefit of all.

2.11 The Secretary-General recalled the initiatives he had long taken in promoting the common use of satellite systems to meet domestic requirements and reiterated his support for subregional systems. The decisions of the First Session of the Conference and those taken recently in Committee 4, to limit the Allotment Plan to national systems and to take account of subregional systems through procedures, were, however, necessary for the establishment of a Plan that would guarantee in practice equitable access, on a long term basis.

2.12 The delegate of Colombia, supported by the delegates of Côte d'Ivoire and Viet Nam, questioned whether the decisions of the First Session were indeed binding and stressed the need to test experimentally whether the inclusion of subregional systems was incompatible with the establishment of a feasible Plan.

2.13 The Secretary-General drew attention to the specific provision in the Conference agenda that the establishment of the Allotment Plan and the associated procedures be according to the principles and methods established by the First Session.

2.14 The delegate of Senegal noted his Administration's interest in the African subregional system. It appeared from the discussions at the present session that the great majority of administrations were in favour of abiding by the decision of the First Session. The decision to establish an Allotment Plan on the basis of national requirements and to deal with subregional systems through procedures was in accordance with the wishes of that session. Insistence on considering subregional systems at the initial stage might prevent the establishment of any feasible Plan.

2.15 The delegate of France said that a balance had to be achieved between what was desirable and what was possible and any decision should be based on all available information. He suggested that, in addition to Plan A, a Plan A' including subregional systems should be drawn up and tested for incompatibilities.

2.16 Speaking on a point of order the delegate of the USSR said that the Plenary should not enter into a substantive discussion of the work of Committee 4 as the background documents to such a discussion were not included on the agenda of the meeting.

2.17 The delegate of the United Kingdom called for an end to the discussion on the Allotment Plan. Subregional systems had to, and would, be considered but the first step was the establishment of an initial Plan.

2.18 The Chairman proposed that the report of the Chairman of Committee 4 be noted and the decision taken in Committee 4 to draw up an Allotment Plan in two parts, A and B, consisting of national requirements and existing systems respectively, to develop a draft Plan taking into consideration only national requirements, to analyse incompatibilities between the two parts of the Plan, and to deal with subregional systems through procedures endorsed.

It was so agreed.

2.19 The delegate of Colombia made the following statement:

"My Administration wishes to differ from the conclusion drawn by the Chairman, since it considers that the Plenary Meeting is unable, solely on the basis of the oral report by the Chairman of Committee 4 and his supporting documents on the technical aspects, to adopt a decision to exclude subregional systems from the Allotment Plan on the grounds of a presumed incompatibility, which has not been proved to us, between national systems or networks and subregional systems or networks.

The delegate of the Soviet Union is right to say that this Plenary Meeting cannot deal with matters of substance. We may perhaps hear opinions presented by way of illustration, but we can in no circumstances adopt decisions on matters of substance.

The distinguished Delegation of France has just expressed, with characteristic cartesian clarity, what we believe and what is possible: that a draft Allotment Plan A containing the national networks and a draft Allotment Plan A' (containing the subregional networks) may be put together to decide on technical grounds whether or not they are compatible. We believe that they are compatible and we are prepared to demonstrate this on the basis of our own exercises. The body of engineers of which this Conference is constituted cannot refuse to allow such a planning exercise to be conducted on a subject which is of paramount importance to all administrations.

We request this reservation concerning your conclusion, Mr. Chairman, to be placed on record."

2.20 The Chairman of Committee 5 said that the presentation of contributions to the Conference had been completed and the work of the Committee had been organized. Concerning the planning of feeder links, administrations' requirements had been submitted, modified and put into the computer for the first planning exercise, the correct results of which would appear in Document 211(Rev.). An ad hoc Group had been set up to examine those results, and the first draft Plan would be ready by the middle of the following week. Concerning procedures and Articles of the Radio Regulations, a decision was at hand on footnote 480 for Region 2 and the rest of the work was proceeding smoothly, except for the amendment of Appendix 30. There had been a discussion on the competence of the Conference to deal with that subject but work was continuing pending the solution of that problem.

2.21 The delegate of Argentina said that without wishing to re-open the debate he would like to express his Delegation's reservations as indicated in Document 135 hoping, however, that a satisfactory solution would be reached.

2.22 The delegate of Qatar noted that several administrations were mentioned in Document 211 but not his own and he wondered whether that was the reason for issuing a revised version.

2.23 The Chairman of Committee 5 said that some confusion had been caused by the fact that incomplete results of the first planning exercise had been distributed. It was to correct the situation that he proposed to issue a revised document the following day. He invited the delegate of Qatar to discuss his problem with him after the meeting.

2.24 The Chairman of Committee 6 said that the Committee had held three meetings, was making good progress and had encountered no major problems.

2.25 The Chairman of Committee 7 had nothing to report since the Editorial Committee had not yet dealt with any texts.

2.26 The Chairman of the Technical Working Group of the Plenary said that his Group had met five times since the previous Plenary Meeting and had completed work on some of the items on its agenda. Firstly, it had finished its work on modifications to Appendix 29 and had transmitted a text to the Editorial Committee. A rise in the threshold level had been agreed but one delegation had reserved its position on the proposal to increase it from 4% to 6%; the details were to be found in Document 204. Secondly, agreement had been reached on the eventual planning of the bands between 18.1 and 30 GHz; a Resolution had been drafted which delayed any planning to a later stage when more information and experience was available on the systems using those bands. A text had been passed to the Editorial Committee on that subject too and details were in Document 206. Thirdly, the Group had discussed possible changes to Appendix 28, especially the modification of Table 2. Work had been concluded that day and a document was under preparation.

While awaiting information from Committee 6, the Working Group had started to look at the technical issues which would eventually be addressed in regard to Appendices 3 and 4. A list of the relevant technical issues had been identified and was given in Document 210 informing Committee 6 of that action. Any preliminary information from Committee 6 on action taken with regard to Appendices 3 and 4 would be most useful.

3. Terms of reference of Committee 5 (Document 208)

3.1 The Chairman of Committee 5 said that it had been thought useful, for the Committee's work, for it to be authorized to examine some Recommendations and Resolutions connected with satellite broadcasting issues under item 13 of the Conference's agenda. He was therefore proposing a modification to the terms of reference of Committee 5, based on those of Committee 6 on the same item.

The proposed addition to the terms of reference, as given in Document 208, was approved.

The meeting rose at 1750 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 215-E
14 September 1988
Original: English

PLENARY MEETING

MINUTES

OF THE

THIRD PLENARY MEETING

Thursday, 8 September 1988, at 1610 hrs

Chairman: Prof. Dr. I. STOJANOVIC (Yugoslavia)

Subjects discussed:

Documents

- | | | |
|----|---|-----|
| 1. | Approval of the minutes of the first
Plenary Meeting | 112 |
| 2. | Oral reports by the Chairmen of Committees
on the progress of their work | - |
| 3. | Terms of reference of Committee 5 | 208 |

1. Approval of the minutes of the first Plenary Meeting (Document 112)

The minutes of the first Plenary Meeting, as contained in Document 112, were approved.

2. Oral reports by Chairmen of Committees on the progress of their work

2.1 Speaking on behalf of the Chairman of Committee 2, the Vice-Chairman said that the Working Group of Committee 2 had examined the credentials of 63 delegations and had found them all to be in order. The delegations concerned were listed in Document 194. The Working Group would meet again to examine any further credentials deposited with the Secretariat of the Committee. He said that he would look into the matter, raised by the delegate of Turkey, of the credentials of the Turkish Delegation which had been deposited on the second day of the Conference but were not included in the list in Document 194.

2.2 The Chairman of Committee 3 said that he had nothing to report except that all substantive committees had been requested to provide periodic reports to enable the Plenary to be informed of the financial implications of their decisions.

2.3 The Chairman of Committee 4 informed the Plenary that Working Group 4-A, chaired by Dr. Ito of Japan, had completed its work on the technical parameters for the Plan, and Group 4 ad hoc 1, chaired by Mr. N'Diongue of Senegal, had concluded its consideration of the definition of existing systems and the technical possibility of having such systems together with national systems. The Committee was thus ready to prepare a first draft of the Allotment Plan. In addition to its decisions on technical parameters and on the definition of existing systems, the Committee had decided that there should be a world-wide Plan with a single coverage per country, made up of a Part A containing the allotments (national requirements) and a Part B containing existing systems. The interaction between Parts A and B would be governed by regulatory procedures associated with the Plan.

2.4 The delegate of Colombia regretted that the ITU tradition of opening the membership of groups to interested delegations had not been upheld, with the result that Colombia had been prevented from contributing technical expertise to Sub-Working Group 4-B-1. Colombia was to have represented the Andean countries, and its membership of the Group had been supported by a number of other delegations, notably those of Cameroon, Sweden and Ecuador. Not only would the inclusion of Colombia have allowed for the contribution of technical experience resulting from the exercise carried out by the Andean Administrations, a relatively major technical and financial contribution on the part of developing countries, but also it would have improved the balance of the Group as reflecting the overall membership of the ITU. In particular, only two of the eleven members of the Group were from countries which did not have their own satellite in operation, a situation shared by some 80% of the Union Membership. Refusing to allow Colombia to participate in the Group ran counter to the aim of ensuring equitable access for all countries. His remarks, however, implied no criticism of the members of the Group or of its Chairman.

2.5 The Chairman of Working Group 4-B recalled that the membership of that Group had been restricted to eleven to ensure its efficient functioning and that it had been considered as a group of Experts, not a group representing particular countries or administrations. It was, moreover, not customary for the ITU to take account of subregional divisions. Working Group 4-B and Committee 4 itself would examine and take decisions on the work produced by the Sub-Working Group.

2.6 The delegate of Nigeria, supported by the delegate of Tanzania, referred to the decisions taken in Committee 4 and stressed that the African Administrations would need a regional allotment for their regional satellite project, in addition to their national allotments. The delegate of Tanzania also recalled the broad support expressed for including subregional systems in the Plan.

2.7 The delegate of Japan stressed the importance of conducting an analysis to identify incompatibilities between Parts A and B of the Plan with a view to improving it, and recalled the decision taken in Committee 4 to that effect.

2.8 The Chairman of Committee 4 regretted that subjects already discussed and decided upon in Committee 4 were being reopened in Plenary. He reiterated that subregional systems would be dealt with through procedures associated with the Plan. While sympathizing with the concerns of developing countries and their need for subregional systems, he pointed out that sacrifices were necessary in order to establish a feasible Plan.

2.9 The delegate of Colombia said that, as many delegates had stated earlier, experiments should be made to determine whether it was feasible to include subregional systems in the Plan before a final decision was taken. The majority had spoken in favour of including subregional systems in the first phase of the Plan. The present Plenary was not competent to take a decision on the matter; the subject should be fully discussed in Committee 4.

2.10 The delegate of Indonesia supported the decisions taken in Committee 4 and asked for a clarification of their status, with a view to avoiding misunderstandings. He stressed that decisions taken should be for the benefit of all.

2.11 The Secretary-General recalled the initiatives he had long taken in promoting the common use of satellite systems to meet domestic requirements and reiterated his support for subregional systems. The decisions of the First Session of the Conference and those taken recently in Committee 4, to limit the Allotment Plan to national systems and to take account of subregional systems through procedures, were, however, necessary for the establishment of a Plan that would guarantee in practice equitable access, on a long term basis.

2.12 The delegate of Colombia, supported by the delegates of Côte d'Ivoire and Viet Nam, questioned whether the decisions of the First Session were indeed binding and stressed the need to test experimentally whether the inclusion of subregional systems was incompatible with the establishment of a feasible Plan.

2.13 The Secretary-General drew attention to the specific provision in the Conference agenda that the establishment of the Allotment Plan and the associated procedures be according to the principles and methods established by the First Session.

2.14 The delegate of Senegal noted his Administration's interest in the African subregional system. It appeared from the discussions at the present session that the great majority of administrations were in favour of abiding by the decision of the First Session. The decision to establish an Allotment Plan on the basis of national requirements and to deal with subregional systems through procedures was in accordance with the wishes of that session. Insistence on considering subregional systems at the initial stage might prevent the establishment of any feasible Plan.

2.15 The delegate of France said that a balance had to be achieved between what was desirable and what was possible and any decision should be based on all available information. He suggested that, in addition to Plan A, a Plan A' including subregional systems should be drawn up and tested for incompatibilities.

2.16 Speaking on a point of order the delegate of the USSR said that the Plenary should not enter into a substantive discussion of the work of Committee 4 as the background documents to such a discussion were not included on the agenda of the meeting.

2.17 The delegate of the United Kingdom called for an end to the discussion on the Allotment Plan. Subregional systems had to, and would, be considered but the first step was the establishment of an initial Plan.

2.18 The Chairman proposed that the report of the Chairman of Committee 4 be noted and the decision taken in Committee 4 to draw up an Allotment Plan in two parts, A and B, consisting of national requirements and subregional systems respectively, to develop a draft Plan taking into consideration only national requirements, to analyse incompatibilities between the two parts of the Plan, and to deal with subregional systems through procedures endorsed.

It was so agreed.

2.19 The delegate of Colombia made the following statement:

"My Administration wishes to differ from the conclusion drawn by the Chairman, since it considers that the Plenary Meeting is unable, solely on the basis of the oral report by the Chairman of Committee 4 and his supporting documents on the technical aspects, to adopt a decision to exclude subregional systems from the Allotment Plan on the grounds of a presumed incompatibility, which has not been proved to us, between national systems or networks and subregional systems or networks.

The delegate of the Soviet Union is right to say that this Plenary Meeting cannot deal with matters of substance. We may perhaps hear opinions presented by way of illustration, but we can in no circumstances adopt decisions on matters of substance.

The distinguished Delegation of France has just expressed, with characteristic cartesian clarity, what we believe and what is possible: that a draft Allotment Plan A containing the national networks and a draft Allotment Plan A' (containing the subregional networks) may be put together to decide on technical grounds whether or not they are compatible. We believe that they are compatible and we are prepared to demonstrate this on the basis of our own exercises. The body of engineers of which this Conference is constituted cannot refuse to allow such a planning exercise to be conducted on a subject which is of paramount importance to all administrations.

We request this reservation concerning your conclusion, Mr. Chairman, to be placed on record."

2.20 The Chairman of Committee 5 said that the presentation of contributions to the Conference had been completed and the work of the Committee had been organized. Concerning the planning of feeder links, administrations' requirements had been submitted, modified and put into the computer for the first planning exercise, the correct results of which would appear in Document 211(Rev.). An ad hoc Group had been set up to examine those results, and the first draft Plan would be ready by the middle of the following week. Concerning procedures and Articles of the Radio Regulations, a decision was at hand on footnote 480 for Region 2 and the rest of the work was proceeding smoothly, except for the amendment of Appendix 30. There had been a discussion on the competence of the Conference to deal with that subject but work was continuing pending the solution of that problem.

2.21 The delegate of Argentina said that without wishing to re-open the debate he would like to express his Delegation's reservations as indicated in Document 135 hoping, however, that a satisfactory solution would be reached.

2.22 The delegate of Qatar noted that several administrations were mentioned in Document 211 but not his own and he wondered whether that was the reason for issuing a revised version.

2.23 The Chairman of Committee 5 said that some confusion had been caused by the fact that incomplete results of the first planning exercise had been distributed. It was to correct the situation that he proposed to issue a revised document the following day. He invited the delegate of Qatar to discuss his problem with him after the meeting.

2.24 The Chairman of Committee 6 said that the Committee had held three meetings, was making good progress and had encountered no major problems.

2.25 The Chairman of Committee 7 had nothing to report since the Editorial Committee had not yet dealt with any texts.

2.26 The Chairman of the Technical Working Group of the Plenary said that his Group had met five times since the previous Plenary Meeting and had completed work on some of the items on its agenda. Firstly, it had finished its work on modifications to Appendix 29 and had transmitted a text to the Editorial Committee. A rise in the threshold level had been agreed but one delegation had reserved its position on the proposal to increase it from 4% to 6%; the details were to be found in Document 204. Secondly, agreement had been reached on the eventual planning of the bands between 18.1 and 30 GHz; a Resolution had been drafted which delayed any planning to a later stage when more information and experience was available on the systems using those bands. A text had been passed to the Editorial Committee on that subject too and details were in Document 206. Thirdly, the Group had discussed possible changes to Appendix 28, especially the modification of Table 2. Work had been concluded that day and a document was under preparation.

While awaiting information from Committee 6, the Working Group had started to look at the technical issues which would eventually be addressed in regard to Appendices 3 and 4. A list of the relevant technical issues had been identified and was given in Document 210 informing Committee 6 of that action. Any preliminary information from Committee 6 on action taken with regard to Appendices 3 and 4 would be most useful.

3. Terms of reference of Committee 5 (Document 208)

3.1 The Chairman of Committee 5 said that it had been thought useful, for the Committee's work, for it to be authorized to examine some Recommendations and Resolutions connected with satellite broadcasting issues under item 13 of the Conference's agenda. He was therefore proposing a modification to the terms of reference of Committee 5, based on those of Committee 6 on the same item.

The proposed addition to the terms of reference, as given in Document 208, was approved.

The meeting rose at 1750 hours.

The Secretary-General:

R.E. BUTLER

The Chairman:

Prof. Dr. I. STOJANOVIC

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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Document 216-E
8 September 1988
Original: English

COMMITTEES 4, 6

Republic of Iraq

PROPOSALS FOR THE WORK OF THE CONFERENCE

The Administration of the Republic of Iraq is attending the Second Session of WARC ORB(2) in the great hope and expectation that the Conference will achieve its objectives.

Since 1979, Iraq has been at the forefront of the countries insisting upon and believing in the planning of the GSO as the means of ensuring equitable access for all countries, large and small, to this important resource of mankind.

The Second Session of the Conference is the culmination of all the efforts exerted in pursuance of this cause. The Administration of the Republic of Iraq is fully aware of this fact and hence bears an open mind on most aspects of planning. However, the proposals presented in this document outline some of the important issues on the Conference agenda. We are confident that these proposals are worthy of discussion and possible adoption by the Conference.

1. Existing systems (agenda item 4)

At this stage of the Conference, one of the most important issues that has already been discussed at some length is the inclusion of "existing systems" in the "Allotment Plan". A review of the latest IFRB planning exercise clearly indicates that any attempt to accommodate existing systems in the Plan raises difficulties and results in numerous incompatibilities beyond the acceptable interference limits already agreed by the Conference. This situation will no doubt prejudice the establishment of a successful Plan.

Furthermore, since the proposal outlined in Document DT/28 presents a philosophy for further planning activities which, in our view, may not produce a successful solution to the problem, we submit the following proposals:

IRQ/216/1

Countries with no existing systems as defined by the Report to the Second Session of the Conference, and developing countries in particular, should bear the minimum economic, technical and other burdens as a consequence of incorporating existing systems in the Plan.

IRQ/216/2

It is clear that the inclusion of existing systems in the Plan subjects planning to severe technical and economic constraints, which has prejudiced the establishment of a reasonable Plan. It is therefore proposed that these difficulties should be mitigated by considering the existing systems as the allotment(s) due to the countries concerned. Hence no further allotments, over and above those relating to their existing systems, would be allowed to these countries in the Plan.

2. Improved regulatory procedures (agenda item 2)

IRQ/216/3

2.1 The improved regulatory procedures in the frequency bands not subject to allotment planning should aim not only at simplified Regulations in the interest of an easier and less costly coordination process but also, and above all, at ensuring that no country or group of countries can prevent any other country from gaining access to the GSO through indefinite procrastination and lack of cooperation. In other words, the new regulatory procedures should ensure that, after reasonable time and effort, countries which require to access the orbit can expect to complete the coordination process successfully.

2.2 Multinational planning meetings (MPM)

IRQ/216/4

The concept of Multinational Planning Meetings (MPM) was put forward by more than one administration during the First Session of the Conference. It was realized during discussions held, both within and outside the Conference proceedings, that such meetings raised a number of important and complicated problems in relation to their status, the legality of their decisions and, inter alia, the manner in which they would be financed. However, if the MPM were found to be the most efficient means of achieving the required objectives at the Second Session, then the Administration of the Republic of Iraq would support the idea, provided that certain principles were upheld. Among these is that all MPMs should be convened under the auspices and chairmanship of the IFRB and that the conditions laid down in Nos. 1170-1173 of the Radio Regulations should be applicable.

3. The status of the band 10.7 - 11.7 GHz in Article 8 of the Radio Regulations (agenda item 7)

IRQ/216/5

The Administration of the Republic of Iraq supports the idea that the status of the band 10.7 - 11.7 GHz should be changed to permit its use in Region 1 for all modes of FSS operation, whether to take account of the allotment planning process or the improved regulatory procedures to be adopted by the Second Session of the Conference (i.e., footnote 825 of Article 11) of the Radio Regulations should be deleted.

4. Direct satellite sound-broadcasting (agenda item 9)

IRQ/216/6

The Administration of the Republic of Iraq proposes that the Conference should reject any proposal of attempt to allocate frequency bands in the range 0.5 - 2 GHz, (or even near it) to the satellite sound-broadcasting service. The experience of the last few years has clearly demonstrated the extreme congestion of this band due to the existing and planned services, and it is

strongly believed that it is impossible to find the necessary 10 MHz or so bandwidth required to be allocated on an exclusive basis to this service anywhere in this band or even near enough to it. It is, moreover, Iraq's belief that there are many more important services capable of providing stronger justification for further allocations in this band than direct satellite sound-broadcasting to automobile and portable receivers.

5. Multi-user networks

The Conference should ensure that the rights and special needs of multi-administration networks are safeguarded when formulating the improved regulatory procedures for the bands not subject to the allotment planning process. Moreover, the Conference should adopt a Resolution whereby this requirement is embodied as a working principle in the Radio Regulations.

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Document 217-E
8 September 1988
Original: English

COMMITTEE 5

Malta

PROPOSALS FOR THE WORK OF THE CONFERENCE

MODIFICATION OF RR 858 AND RR 863

MLT/217/1

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~~.

Reasons: Malta submitted its requirements for feeder links in the 17 GHz band.

MLT/217/2

MOD 863

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~~.

Reasons: Malta submitted its requirements for feeder links in the 17 GHz band.

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Document 218-E
8 September 1988
Original: English

COMMITTEE 4

Note by the Secretary-General

IFRB NOTE ON TEST POINTS FOR ALLOTMENT PLANNING

At the request of the Chairman of the IFRB, I have the honour to transmit to the Conference a note on test points for allotment planning.

R.E. BUTLER
Secretary-General

Annex: 1

IFRB NOTE ON TEST POINTS FOR ALLOTMENT PLANNING

1. The Board, in analyzing the test points submitted by administrations for the allotment planning process, noted that some of the test points are outside the national territory of the administration. The administrations and the test points concerned are listed in Annex 1 of Document 28. Having noted that Committee 4 decided to limit the Allotment Plan to national coverage, the Board requested the administrations concerned to inform it of the test points on their territory to be used in the preparation of the draft Plan.
 2. The position of certain test points very close to or at the border of a country is difficult to verify. All test points will be published by the Board in a Conference document; they should be verified by the administrations. In the absence of any indication to the contrary during the Conference, the Board will assume that agreement exists with the administrations concerned.
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Document 219-E
12 September 1988
Original : French

BUDGET CONTROL COMMITTEE

Note by the Secretary-General

SITUATION OF THE CONFERENCE ACCOUNTS

AS AT 11 SEPTEMBER 1988

I herewith submit for consideration by the Budget Control Committee, an estimate of Conference expenditure as at 11 September 1988.

The figures show a margin of 79,000 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

ANNEX 1

Situation of accounts for WARC ORB on 11 September 1988

Title	Budget approved by the A.C.	Budget adjust. at 01.09.88	Expendit. actual commit. estim.	on 11.09.88 total
col.	1	2	3	4
- in thousands of Swiss francs -				
Subhead II Staff expenditure				
Salaries and related expenses	1480	1635	1	1393
Travel (recruitment)	150	150	0	91
Insurance	39	39	1	15
	1669	1824	2	1499
				1501
Subhead III Premises and equipment costs				
Premises, furniture, machines	90	90	2	132
Document production	50	50	87	207
Office supplies and expenses	50	50	15	35
PTT	120	120	53	40
Technical installations	20	20	0	18
Sundry and unforeseen	12	12	2	10
	342	342	159	442
				601
Subhead IV Other expenditure				
Final Acts of the Conference	72	72	0	72
Subhead VI Intersessional work and post-conference work up to 31.12.1988				
Staff expenses	459	461	308	157
Supernumerary staff	18	18	0	15
Other staff costs	56	56	27	9
Insurance	77	74	48	24
Computer facilities	200	200	150	43
Mission expenses	27	27	22	3
Premises, furniture, machines	50	50	76	9
Information meeting	30	30	10	0
	917	916	641	260
				901
TOTAL SECTION 11.5	3000	3154	802	2273
				3075

Margin in relation to the budget

79

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Document 220-E
8 September 1988
Original: English

Source: Document DT/28

COMMITTEE 4

NOTE ON THE CONSIDERATION OF EXISTING SYSTEMS

The idea in this document is to provide elements for a possible compromise solution to the problems related to the consideration of existing systems.

By examining the latest results available on planning exercises considering requirements and existing systems, without entering into the merits of whether or not existing systems should constitute allotments in the Plan, it becomes clear that the chances to have existing systems included in the Plan as allotments would be very small. A possible solution to this problem would be to divide the Plan into two parts. A part A, containing the allotments (national requirements) and another part B, containing the set of existing systems. In its part A, the Plan would contain one allotment (single coverage through one or more beams or orbital positions) per country. These allotments would be those resulting from the planning process adopted by the Conference.

Initially, a draft Plan will be developed, taking into consideration only the national requirements. This would guarantee the access to the orbit for all national requirements (part A of the Plan). An analysis will be done to identify incompatibilities between part A and B of the Plan.

The Conference will try to resolve these incompatibilities aiming at a possible improvement of such a Plan, which can be adopted by the Conference as the Allotment Plan.

The interaction between parts A and B of the Plan will be governed by regulatory procedures associated with the Plan.

S. PINHEIRO
Chairman of Committee 4

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Document 221-E
8 September 1988
Original: English

Source: Document 181

COMMITTEE 4

NOTE FROM THE CHAIRMAN OF COMMITTEE 6 TO THE CHAIRMAN OF COMMITTEE 4

1. Committee 6, as part of its terms of reference, has to review definitions under agenda item 5. Several proposals have been submitted under Article 1 of the Radio Regulations or in a new appendix for the Allotment Plan. The latter definitions apply more directly to the work of Committee 4 under agenda item 1. Accordingly, Committee 6 requests Committee 4 to treat these proposals identified in the annex in conjunction with the Allotment Plan.

J.F. BROERE
Chairman of Committee 6

Annex: 1

ANNEX

URS/7/11 (MOD RR 18 and 19)

IND/141/29 (MOD RR 18 and 19)

AUS/49/10 (Service area)

AUS/49/11 (International satellite system)

AUS/49/12 (Regional satellite system)

AUS/49/13 (Domestic satellite system)

AUS/49/14 (Multi-administration satellite system)

VEN/88/13 (Allotment Plan)

The attention of Committee 4 is also drawn to Proposal D/70/1
(Allotment within the FSS Allotment Plan).

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Document 222-E
9 September 1988
Original: English

WORKING GROUP 6-B

United States of America

ADDITIONAL PROPOSAL TO WARC ORB(2) REGARDING AGENDA ITEM 4

Introduction

As a means of simplifying and clarifying Section I of Article 11, the United States of America recommends that the following two provisions be amended as shown:

Proposal

USA/222/1

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 its existing or planned space radiocommunication services, it shall, within four months after the date of the weekly circular publishing the complete information listed in Appendix 4, send its comments on the particulars of the potential for interference to its existing or planned space system 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.

Reasons: To permit a technical analysis of the possible interference.

USA/222/2

MOD 1049 § 3 (1) An administration receiving technical 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.

Reasons: To further elaborate the burden-sharing provisions of the Radio Regulations and to permit a technical analysis of the possible interference.

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Document 223-E
9 September 1988
Original: English

WORKING GROUP 4-C

REPORT OF WORKING GROUP 4-C AD HOC 1 CONCERNING PROCEDURES FOR COMBINING ALLOTMENTS FOR SUBREGIONAL SYSTEMS

1. The Drafting Group was asked to prepare a text for consideration by Working Group 4-C concerning procedures for converting two or more allotments into a subregional system, based on proposals submitted by CAN (59), USA (12, 56), F (29) and J (53).

2. Discussions in Working Group 4-C indicated that there were several procedures by which administrations may implement subregional systems including:

- a) modification of the Plan;
- b) inclusion of additional requirements;
- c) combination of all or part of their national allotments.

The Drafting Group's task was to develop approach c).

3. Principles

3.1 Administrations wishing to combine all or part of their allotments with a view to providing for a subregional system may do so in accordance with the following principles and procedures.

3.2 These subregional systems shall have assignments for a fixed term which may be extended or reduced on a decision of the members of the system.

3.3 The members of the subregional system shall obtain the agreement of the affected administrations in accordance with [Annex].

3.4 That part of the national allotments used for the subregional system shall be suspended.

3.5 Suspended national allotments shall be protected as other allotments.*

3.6 The subregional system will receive the same protection as allotments in the Plan.*

* The IFRB will not take into consideration mutual interference between the subregional system and its members' suspended national allotments.

3.7 The IFRB will be informed immediately of the withdrawal of an administration from the subregional system.

4. Guidelines for the procedures are as follows.

4.1 Administrations participating in the subregional system will appoint one of their number to represent their interests with the ITU on this matter.

4.2 The representative administration will provide full details of the system to the IFRB. This information will include inter alia a statement of undertaking to participate from each of its constituent members, a clear indication of the nature and composition of the subregional system and the duration of the agreement. The information will also include notices for each assignment.

4.3 The subregional system will be implemented by one of the following methods:
[].

4.4 The representative administration may at any stage in the procedure described, or before applying it, request the assistance of the Board along the lines of RR 1184 to RR 1188.

4.5 The Board, in addition to providing this assistance will take the action prescribed by [].

4.6 The initial information published by the Board on the subregional system will include a clear description of the individual full or partial allotments which have been suspended. Thereafter the Board will publish on a [biannual] basis a summary of all subregional systems planned and in operation along with those that have expired since the last summary.

4.7 The Board shall also cause an entry to be made in the MIFR to indicate the nature and duration of the subregional system.

4.8 When a subregional system is terminated, the representative administration 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 MIFR.

4.9 At the termination of the subregional system all frequency assignments derived from the system will be cancelled. At the same time all reference to the subregional system and to the suspension of individual participants' allotments in the Plan will be cancelled.

J. ZAVATTIERO
Chairman of Working Group 4-C ad hoc 1

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Document 224-E
9 September 1988
Original: English

Source: Document DT/38

SUB-WORKING GROUP 5-A-2

NOTE OF THE CHAIRMAN OF SUB-WORKING GROUP 5-A-2

The attached propagation model for Regions 1 and 3 is presented for information, taken from the Report to the Second Session of the Conference.

T. KOMOTO
Chairman of Sub-Working Group 5-A-2

PROPAGATION MODEL FOR FEEDER LINKS

6.2.2.17 Propagation

The propagation model for feeder links is based on the value of rain attenuation exceeded for one per cent of the worst month.

6.2.2.17.1 Attenuation

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 two bands, i.e. 17.7 GHz and 14.65 GHz.

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:

$$h_R = C \cdot h_F$$

where:

$$C = 0.6 \text{ for } 0^\circ \leq |\zeta| < 20^\circ$$

$$C = 0.6 + 0.02 (|\zeta| - 20) \text{ for } 20^\circ \leq |\zeta| < 40^\circ$$

$$C = 1 \text{ for } |\zeta| \geq 40^\circ$$

Step 3 - The slant-path length, L_s , below the rain height is:

$$L_s = \frac{2 (h_R - h_o)}{\left(\sin^2 \theta + 2 \left(\frac{h_R - h_o}{R_e} \right)^{1/2} + \sin \theta \right)} \text{ (km)}$$

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:

$$r_{0.01} = \frac{90}{90 + 4 L_G}$$

Step 6 - The specific attenuation, γ_R , is determined from:

$$\gamma_R = k (R_{0.01})^\alpha \text{ (dB/km)}$$

where:

$R_{0.01}$ is given in Table 6-4, frequency dependent coefficients k and α in Table 6-5 and rain climatic zones in Figures 6-4 and 6-5* respectively.

TABLE 6-4

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 6-5

Frequency dependent coefficients

Frequency (GHz)	k	α
14.65	0.0327	1.149
17.7	0.0531	1.110

Frequency dependent coefficients are calculated using the following formulas and Table 6-6,

$$k = [k_H + k_V + (k_H - k_V) \cos^2 \theta \cos 2\tau]/2$$

$$\alpha = [k_H \alpha_H + k_V \alpha_V + (k_H \alpha_H - k_V \alpha_V) \cos^2 \theta \cos 2\tau]/2k$$

where θ is the path elevation angle and τ is the polarization tilt angle relative to the horizontal ($\tau = 45^\circ$ for circular polarization).

The formulas for k and α are general. In the case of circular polarization, the third terms in both equations are equal to zero, so that for circular polarization, the formulas for k and α may be written:

$$k = (k_H + k_V)/2$$

$$\alpha = (k_H \alpha_H + k_V \alpha_V)/2k$$

* These figures are replaced by Document 174.

TABLE 6-6

Regression coefficients for estimating
specific attenuation

Frequency (GHz)	k_H	k_V	α_H	α_V
12	0.0188	0.0168	1.217	1.200
15	0.0367	0.0335	1.154	1.128
20	0.0751	0.0691	1.099	1.065

Step 7 - The attenuation exceeded for 1% of the worst month is:

$$A_{1\%} = 0.223 \gamma_R L_s r 0.01 \text{ (dB)}$$

6.2.2.17.2 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:

$$\text{XPD} = 30 \log f - 40 \log (\cos \theta) - V \log A_p \text{ (dB) for } 5^\circ \leq \theta \leq 60^\circ$$

where

$$V = 20 \text{ for } 14.5 - 14.8 \text{ GHz}$$

and

$$V = 23 \text{ for } 17.3 - 18.1 \text{ GHz}$$

where

A_p : 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 $\theta - 60^\circ$ in the above equation.

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 225-E
9 September 1988
Original: English

WORKING GROUP OF THE PLENARY

REPORT OF SUB-WORKING GROUP 2 OF THE WORKING GROUP OF THE PLENARY

The meeting of the Sub-Working Group 2 of the Working Group of the Plenary considered the proposals for additions and modifications to Appendix 4 as contained in Attachment 2 of Document 56 (United States) and Annex 2 of Document 187 (France).

It was agreed that the material proposed for addition to Appendix 4 be accounted for by the inclusion of a single, new paragraph under Section F, which would become the second paragraph of that section and would read as follows:

"Administrations attention is also drawn to techniques for assessing potential interference which may facilitate reaching an agreement between administrations under the provisions of this appendix. These techniques may be found in the relevant CCIR texts."

J.B. POTTS
Chairman of Sub-Working Group 2
of the Working Group of the Plenary

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 226-E
9 September 1988
Original: English

PLENARY MEETING

THIRD REPORT OF THE WORKING GROUP OF THE PLENARY TO THE PLENARY

Based on the consideration of Documents 3 and 12, the Working Group of the Plenary approved the amendments to Table II of Appendix 28 to the Radio Regulations which have been submitted to the Editorial Committee for subsequent submission to the Plenary Meeting (see Document 227).

R. RYVOLA
Chairman of the Working Group
of the Plenary

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 227-E
9 September 1988
Original: English

COMMITTEE 7

THIRD SERIES OF TEXTS FROM THE WORKING GROUP OF THE PLENARY TO THE EDITORIAL COMMITTEE

The attached texts as adopted by the Working Group of the Plenary are hereby submitted to the Editorial Committee.

R. RYVOLA
Chairman of the Working Group of the Plenary

TABLE II

Parameters required for the determination of coordination distance for a receiving earth station

Band 9

SUP

ADD

Band 10

SUP

ADD

Space Radiocommunication Service Designation		Near Earth	Deep Space	Space Research
Frequency Bands (GHz)		1.700-1.710	2.290-2.300	paired
Modulation at Earth Station (2)		-	-	-
Interference Parameters and Criteria	p0 (%)	0.1	0.001	
	n	2	1	
	p (%)	0.05	0.001	
	J (dB)	-	-	
	M ₀ (n ₀) (dB)	-	-	
	W (dB)	-	-	
Terrestrial Station Parameters	B (dBW) ln B (*)	62(4)(6)	62(4)(6)	
	P _r (dBW) ln B	10(4)(6)	10(4)(6)	
	ΔG' (°)	10 (6)	10 (6)	
	Reference Bandwidth (?)	B (Hz)	1	1
Permissible Interference Power	P _r (n) (dBW) ln B	-220	-222	

Near Earth	Unpaired; Synchronous	Near Earth	Deep Space	Space Research
1.700-1.710	2.200-2.290	2.290-2.300		
-	-	-	-	-
0.1	0.001	0.001		
1 (9)	1	1		
0.1 (9)	0.001	0.001		
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
25 (4)	25 (4)			
10 (4)	10 (4)	10 (4)		
10 (6)	10 (6)	10 (6)		
10 (6)	10 (6)	10 (6)		
1	1	1		
-216	-216	-222		

Near Earth	Deep Space	Space Research
8.400-8.500		
-	-	-
0.1	0.001	
2	1	
0.05	0.001	
-	-	-
-	-	-
-	-	-
-	-	-
25 (4)	25 (4)	
-17 (4)	-17 (4)	
0	0	
1	1	
-220	-220	

(9) n is taken to be 1 for earth station supporting low orbit satellites. For earth stations supporting geostationary satellites, n takes on a value of 2 and p becomes 0.05.

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Document 228-E
9 September 1988
Original: English

Source: Document DT/35

COMMITTEE 4

TERMS OF REFERENCE OF SUB-WORKING GROUP 4-B-1 (PLANNING)

Prepare for consideration of Committee 4, taking into account the requirements submitted by the administrations and the decisions taken by Committee 4, an Allotment Plan for the fixed-satellite service in the bands:

4 500 - 4 800 MHz and 6 725 - 7 025 MHz; and

10.70 - 10.95 GHz, 11.20 - 11.45 GHz and 12.75 - 13.25 GHz.

In preparing this Allotment Plan, the Group should consider and analyse alternatives to improve the results obtained.

Composition

T.S. HUNGIN (KEN)
A. ALLAN (ALG)
R.J.E. CROLL (G)
M. MONNOT (F)
V.V. TIMOFEEV (URS)
K.S. MOHANAVELU (IND)
C. HAKOISHI (J)
F. HE (CHN)
E. MILLER (USA)
R.R. BOWEN (CAN)
J.M. FORTES (B), Chairman

S. PINHEIRO
Chairman of Committee 4

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 229-E
9 September 1988
Original: English

SUB-WORKING GROUP 6-B-1

REPORT OF THE CHAIRMAN OF 6-B-1 AD HOC 1 CONCERNING THE ROLE OF THE BOARD AT ADVANCE PUBLICATION STAGE

ADD 1047A

An administration sending information under RR 1042 and RR 1043 may request the assistance of the Board in identifying, 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.

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 planned network for which complete Appendix [4] information has been sent to the Board could affect or be affected by the proposed network.

Y. HENRI
Chairman, 6-B-1 ad hoc 1

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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 230(Rev.3)-F/E/S
29 septembre 1988

COMMISSION 4
COMMITTEE 4
COMISION 4

Remplacer les pages 13 et 17 par les suivantes

Replace pages 13 and 17 by the following

Sustitúyanse las páginas 13 y 17 por las siguientes

S. PINHEIRO

Président de la Commission 4
Chairman of Committee 4
Presidente de la Comisión 4

Annexe
Annex
Anexo

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 23

1	2	3	4	5	6	7	8	9	10	11
112	IRN	IRN00000	1	1	1	30.50 36.65 25.28 39.23 39.72 38.28 31.03 26.90 25.85 33.97	48.07 61.10 61.50 44.60 47.98 56.75 61.83 63.25 55.05 45.40	25 280 10 850 400 900 485 1040 10 120	E C E K K C E E C K	
113	IRQ	IRQ00000	1	1	1	33.33 32.75 36.80 37.17 35.80 33.08 31.80 29.92 29.23 31.23	44.40 38.93 42.08 44.77 46.33 46.00 47.87 48.63 44.55 41.83	33 625 545 1000 1000 100 100 222 200 200	E E K K K E E E E	
114	ISL	ISL00000	1	1	1	64.15 65.05 66.05 65.65 65.70 66.25 65.25 64.25 63.40 64.85	-21.80 -22.40 -23.50 -20.30 -18.10 -15.30 -14.40 -15.20 -19.05 -19.55	30 30 30 200 30 30 30 30 20 600	E G G E G G G G E G	
115	ISR	ISR00000	1	1	1	29.50 31.20 33.20 32.40 31.30	34.80 34.30 35.20 35.50 35.30	0 100 0 -125 -400	D G L K G	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 24

1	2	3	4	5	6	7	8	9	10	11
116	J	J 00000	1	1	1	45.53 34.70 25.77 24.43 20.42 24.78 24.28	141.95 129.30 123.52 122.93 136.07 141.33 153.98	5 5 5 5 5 5 5	K M N N N N D	
117	JMC	JMC00000	1	1	1	17.87 18.50	-77.35 -77.83	0 0	N N	
118	JOR	JOR00000	1	1	1	32.00 29.50 32.60 32.00 32.50 30.50	35.83 35.08 36.00 35.00 39.00 38.00	0 0 0 0 0 0	E E E E C	
119	KEN	KEN00000	1	1	1	3.83 -1.50 -4.67 -1.00 4.17 4.50	41.90 41.60 39.20 33.90 34.00 36.40	0 0 0 0 0 0	J J J K K J	
120	KIR	KIROIFRB	1	1	1	1.00	173.00	0	N	
121	KOR	KOR00000	1	1	1	33.10 34.08 35.08 36.43 36.12 37.52 37.97 38.30 38.50	126.27 125.12 129.12 127.85 127.48 126.92 124.72 127.23 128.42	34 40 20 180 156 40 20 250 10	M K K K K K K K K	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 31

1	2	3	4	5	6	7	8	9	10	11
154	PAK	PAK00000	1	1	1	35.50 25.17 29.50 24.37 24.00 37.17 35.60 32.70 36.20 30.20	77.50 61.80 61.30 71.00 68.10 75.10 79.80 79.10 71.20 73.80	0 0 0 0 0 0 0 0 0 0	E KK MK E MM MM MM	
155	PHL	PHL0IFRB	1	1	1	21.00 5.00 6.00 11.00 7.50 15.00	122.00 120.00 126.00 126.00 117.00 125.00	0 0 0 0 0 0	N P P N P N	
156	PNG	PNG00000	1	1	1	-1.00 -7.00 -12.00 -9.17 -2.50	150.00 157.00 154.00 141.00 141.00	0 0 0 0 0	P P P P P	
157	PNR	PNR0IFRB	1	1	1	9.50 9.50 7.17 7.00 8.17	-82.83 -77.60 -77.88 -81.88 -83.00	0 0 0 0 0	P P P N P	
158	POL	POL00000	1	1	1	53.92 52.83 50.88 50.12 49.27 49.05 50.50 52.73 54.25 54.83	14.23 14.05 14.83 16.68 19.92 22.83 24.05 23.93 23.32 18.33	25 75 150 500 2000 800 200 200 200 50	E H H H H H H H H	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 32

1	2	3	4	5	6	7	8	9	10	11
159	POR	AZR00000	1	1	1	37.78 38.75 39.42	-25.67 -27.08 -31.17	200 60 900	K K K	
160	POR	MAC00000	1	1	1	22.17	113.57	0	N	
161	POR	MDR00000	1	1	1	32.65 30.03 33.12	-16.93 -16.05 -16.28	210 50 100	H H H	
162	POR	POR00000	1	1	1	41.87 41.82 37.20 37.02 38.87 41.15 37.02	-8.85 -6.75 -7.42 -7.93 -9.27 -8.58 -8.93	30 690 20 20 180 200 20	H H K K K H K	
163	PRG	PRG00000	1	1	1	-22.33 -19.65 -19.33 -23.83 -26.83 -27.17	-62.75 -62.00 -58.72 -54.45 -55.00 -58.30	0 0 0 0 0 0	N P P P P P	
164	PRU	PRU00000	1	1	1	-18.35 -12.30 -9.43 -7.58 -2.75 -0.03 -3.40 -4.43 -6.08 -13.45	-70.38 -69.00 -70.48 -73.98 -70.05 -75.22 -80.32 -81.33 -81.17 -76.12	200 365 365 365 365 365 15 15 15 15	E NN NN NN NN NN P P P P	

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 230(Rev.3)-E

20 September 1988

Original: English

COMMITTEE 4

Note by the Secretary-General

IFRB REPORT

ALLOTMENT PLANNING REQUIREMENTS
SUBMITTED BEFORE 1400 HRS, 15 SEPTEMBER 1988

At the request of the Chairman of Working Group 4-B, I have the honour to transmit to the Conference a copy of the Allotment Planning requirements submitted before 1400 hrs, 15 September 1988.

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

ALLOTMENT PLANNING REQUIREMENTS
SUBMITTED BEFORE 1400 HRS, 15 SEPTEMBER 1988

Explanation of columns

<u>Column</u>	<u>Description</u>
1	Requirement number
2	Administration
3	Beam name
4	Use of 6/4 GHz (0 = no, 1 = yes)
5	Use of 14/11 - 12 GHz (0 = no, 1 = yes)
6	Test point number
7	Test point latitude (degrees North)
8	Test point longitude (degrees East)
9	Height above mean sea-level (metres)
10	Rain-climatic zone
11	Remarks

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 3

1	2	3	4	5	6	7	8	9	10	11
1	AFG	AFG00000	1	1	1	37.33 31.67 35.50 34.42 35.92 29.83 32.33 34.87 29.97 37.17	74.80 65.67 61.33 70.42 64.75 61.00 70.00 71.13 66.33 70.55	0 0 0 0 0 0 0 0 0 0	C C C C C C C C C C	
2	AFS	AFS00000	1	1	1	-33.92 -28.62 -22.92 -26.73 -24.80 -22.35 -25.45 -28.90 -29.85 -46.58	18.42 16.48 14.50 20.62 26.05 30.05 30.97 31.47 31.00 30.93	50 94 50 888 1200 634 312 50 50 50	D E E E E K K K D D	
3	AGL	AGL0IFRB	1	1	1	-17.50 -6.50 -11.00 -17.50 -7.00	12.00 12.50 24.00 23.00 20.00	0 0 0 0 0	E K K K K	
4	ALB	ALB00000	1	1	1	42.63 42.22 41.85 40.50 39.90 39.65 40.12 40.67 42.22 42.52	19.80 19.47 19.45 19.30 19.93 20.20 20.65 21.02 20.48 20.13	2125 20 53 331 140 853 871 1189 1392 2075	K K K L L L L L K K	



O R B (2)
BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 4

1	2	3	4	5	6	7	8	9	10	11
5	ALG	ALG00000	1	1	1	36.10 36.90 36.78 27.70 24.30 24.30 19.55 23.58 30.22 19.92	-2.20 8.45 3.02 -8.17 -1.22 9.45 5.80 11.83 9.42 3.00	5 25 350 440 820 1230 410 1000 325 655	K K K E E E E E E E	
6	ARG	ARG00000	1	1	1	-25.38 -26.25 -26.75 -54.72 -54.83 -49.92 -31.48 -24.47 -21.77 -22.12	-54.12 -53.63 -53.75 -63.82 -68.33 -73.48 -70.60 -68.28 -66.22 -62.83	187 53 45 61 12 3270 3852 3268 2143 103	P P P D D D E E E N	
7	ARG	ARGINSL	1	1	1	-49.92 -47.05 -60.73 -72.87 -68.13	-73.48 -65.85 -44.73 -34.62 -67.07	3270 37 72 105 87	D D A A A	
8	ARS	ARS00000	1	1	1	28.08 31.50 32.33 28.33 26.33 22.17 20.00 16.08 16.33 21.50	34.42 37.00 39.33 48.50 50.25 56.00 55.17 46.67 42.80 39.17	10 300 850 10 10 70 100 940 10 10	C C C C C C C C C A	
9	ATG	ATG0IFRB	1	1	1	17.00	-61.80	0	N	

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ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 5

1	2	3	4	5	6	7	8	9	10	11
10	AUS	AUS00001	1	1	1	-10.58 -27.47 -33.87 -37.22 -42.87 -34.92 -31.95 -21.55 -12.45 -34.37	142.22 153.02 151.22 144.97 147.32 138.60 115.85 114.07 130.82 115.15	58 0 0 0 0 0 0 0 0 0	P P P K F K K K P K	
11	AUS	AUS00002	1	1	1	-31.52 -29.07 -30.40 -29.40	159.07 167.97 163.55 163.40	0 0 0 0	M M M M	
12	AUS	AUS00003	1	1	1	-10.50 -12.20 -11.75 -10.95	105.70 96.82 101.35 101.20	0 0 0 0	H H H H	
13	AUS	AUS00004	1	1	1	-54.47	158.97	0	A	
14	AUS	AUS00005	1	1	1	-66.27	110.42	0	A	
15	AUT	AUT00000	1	1	1	48.05 48.00 49.00 48.25 47.28 46.78 46.40	13.37 17.17 15.00 13.05 9.55 10.92 14.60	1764 134 450 353 425 3260 1130	K K K K K K K	



IRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 6

1	2	3	4	5	6	7	8	9	10	11
16	B	B 00001	1	1	1	2.45 5.12 1.68 -7.57 -9.33 -13.65 -16.25 -16.32 -15.58 -12.33	-54.72 -60.20 -69.83 -73.97 -73.25 -60.68 -60.18 -58.32 -56.08 -55.33	500 2772 180 280 260 300 200 100 170 500	P P P P P P N N P P	
17	B	B 00002	1	1	1	2.45 4.38 -1.18 -3.83 -6.15 -12.98 -17.87 -15.77 -12.33	-54.72 -51.48 -46.10 -32.40 -34.93 -38.48 -39.32 -47.92 -55.33	500 10 10 38 5 8 10 1000 500	P P P N N N N P P	
18	B	B 00003	1	1	1	-12.33 -17.87 -15.77 -22.00 -33.77 -30.22 -27.10 -22.08 -16.32 -15.58	-55.33 -39.32 -47.92 -41.00 -53.38 -57.65 -53.87 -57.95 -58.32 -56.08	500 1000 10 22 35 200 100 100 170	P P N N N N N N P	
19	BAH	BAHOIFRB	1	1	1	27.67 26.67 22.83 20.67 20.67 25.67	-78.70 -77.00 -72.50 -72.90 -73.70 -79.40	0 0 0 0 0 0	N N N N N N	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 7

1	2	3	4	5	6	7	8	9	10	11
20	BDI	BDI00000	1	1	1	-4.82 -4.82 -2.93 -1.97 -2.28	29.08 30.23 31.23 30.83 28.65	2000 1300 1500 1500 1460	K K K K K	
21	BEL	BEL00000	1	1	1	51.10 51.17 49.55 50.67 50.13	2.53 5.83 5.83 4.12 5.15	0 40 400 35 165	E E E E E	
22	BEN	BEN00000	1	1	1	6.28 6.38 7.57 7.90 9.02 9.08 10.17 10.28 12.35 11.70	1.82 2.68 1.70 2.63 1.67 2.73 1.12 3.38 2.85 3.55	6 240 165 384 293 247 410 200 167	P P N N N N N K	
23	BFA	BFA00000	1	1	1	15.00 12.00 9.50 10.33 13.33 14.50	0.00 -2.20 -2.75 -5.50 -4.00 -1.90	0 0 0 0 0 0	E K N N K K	
24	BGD	BGD00000	1	1	1	25.00 23.00 22.00 26.00 24.70 26.70 26.00 22.00 21.50 23.00	92.38 92.38 92.50 88.25 88.00 88.42 90.00 89.00 92.00 89.00	150 150 150 150 200 200 200 150 150 150	N N N N N K N N N N	



O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 8

1	2	3	4	5	6	7	8	9	10	11
25	BHR	BHR00000	1	1	1	26.07	50.60	0	C	
26	BLZ	BLZ00000	1	1	1	18.40 17.52 16.53 16.10 17.15 17.13 16.97	-88.40 -88.20 -88.42 -88.82 -89.07 -88.77 -88.23	3 3 4 4 80 15 3	N N N N N N N	
27	BOL	BOL00000	1	1	1	-20.00 -22.67 -17.00 -11.00 -10.82 -18.00 -14.00	-58.00 -67.50 -68.00 -68.77 -65.40 -57.78 -60.83	180 4200 4000 260 170 255 180	P EEE EE P P P	
28	BOT	BOT00000	1	1	1	-22.17 -18.25 -17.83 -20.83 -23.00 -25.83	20.00 22.22 25.17 27.83 28.00 25.75	1252 997 929 1379 790 1292	E E E E E E	
29	BRB	BRBOIFRB	1	1	1	13.17	-59.60	0	N	
30	BRM	BRMOIFRB	1	1	1	21.67 11.67 10.00 28.17 21.33	101.00 99.60 98.00 97.50 92.40	0 0 0 0 0	N P P K P	
31	BRU	BRUOIFRB	1	1	1	4.50	114.60	0	P	
32	BTN	BTNOIFRB	1	1	1	27.10 26.80 26.90 28.10 27.34 28.27	88.70 90.00 92.10 91.30 92.15 90.10	0 0 0 0 0 0	K K K K K K	

URB CONFERENCE PREPARATION

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 9

1	2	3	4	5	6	7	8	9	10	11
33	BUL	BUL00000	1	1	1	44.17 43.75 44.08 43.70 42.00 41.25 41.33 42.30 43.20 43.82	22.75 24.50 27.25 28.55 28.00 25.30 22.97 22.50 23.00 22.58	100 100 150 100 100 1400 1750 1000 1800 500	K K K K K K KK KK KK KK	
34	CAF	CAF00000	1	1	1	7.50 6.00 2.83 5.00 11.00	15.50 14.60 16.10 27.50 22.50	0 0 0 0 0	N P P PN K	
35	CAN	CAN0EAST	1	1	1	68.40 64.20 47.50 43.70 42.20	-85.00 -65.00 -52.70 -65.00 -83.10	0 0 0 0 0	C C K K K	
36	CAN	CANOCENT	1	1	1	71.20 68.40 42.20 48.40 49.00	-110.00 -85.00 -83.10 -89.20 -110.00	0 0 0 0 0	A C K K E	
37	CAN	CANOWEST	1	1	1	69.00 71.20 49.00 48.40 53.30 62.40	-141.00 -110.00 -110.00 -123.40 -132.10 -140.90	0 0 0 0 0 0	A A E D D A	



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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 10

1	2	3	4	5	6	7	8	9	10	11
38	CBG	CBGOIFRB	1	1	1	10.50 13.00 14.33 14.67 12.50 11.00	103.50 102.50 103.25 107.45 107.50 105.80	0 0 0 0 0 0	P N N N N N	
39	CHL	CHL00000	1	1	1	-17.93 -18.38 -23.00 -27.17 -33.30 -38.72 -44.57 -52.35 -63.25 -70.00	-69.42 -70.33 -67.03 -109.43 -69.83 -70.92 -71.12 -68.43 -57.17 -75.00	4100 20 5760 50 6550 1758 950 10 20 100	C C C D D D D D D A	
40	CHN	CHN00001	1	1	1	48.42 53.53 49.17 39.08 21.13 21.55 21.45 24.47 27.35 42.57	135.03 123.62 86.88 73.63 101.75 108.08 109.20 115.80 120.95 130.53	50 1050 4500 3500 1250 46 11 597 84 415	K F E E N N N N N K	
41	CHN	CHN00002	1	1	1	27.35 24.47 21.45 21.55 19.13 16.00 6.83 3.83 11.83 24.63	120.95 115.80 109.20 108.08 108.38 109.42 108.42 112.17 118.83 122.87	84 597 11 46 45 35 25 25 15 25	N N N N N N P P N N	

TREB CONFERENCE PREPARATION

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 11

1	2	3	4	5	6	7	8	9	10	11
42	CLM	CLM00000	1	1	1	12.55 13.32 12.00 7.00 6.20 1.33 -4.00 -2.17 1.58 8.50	-81.72 -81.35 -71.17 -70.67 -67.50 -66.83 -70.00 -73.00 -78.50 -77.22	5 100 1 100 100 100 100 100 1 1	P P N N P N N N N N	
43	CLN	CLN00000	1	1	1	8.85 6.93 8.50	80.08 79.83 80.08	30 3 3	N N N	
44	CME	CME00000	1	1	1	12.67 10.00 1.50 2.17 4.01 7.18 4.07 5.50 5.53 4.80	14.50 15.30 16.00 9.70 9.21 13.35 9.15 10.09 11.31 8.15	20 330 464 0 20 1337 1000 1338 1000 400	K N P P P P P P P P	
45	COG	COGOIFRB	1	1	1	3.67 2.17 -3.67 -5.00 -3.50 0.50	18.50 13.20 11.00 12.00 16.25 18.00	0 0 0 0 0 0	P N N N P	
46	COM	COM0IFRB	1	1	1	-12.17	64.10	0	N	
47	CPV	CPV0IFRB	1	1	1	16.00	-24.10	0	E	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 12

1	2	3	4	5	6	7	8	9	10	11
48	CTI	CTI00000	1	1	1	5.32 4.97 8.42 10.53 10.33 9.67 8.05 6.72 7.67 6.88	-4.02 -7.47 -8.15 -7.52 -5.67 -3.28 -2.78 -3.67 -5.03 -6.45	20 557 706 382 587 364 371 201 364 280	P P N N N N N P N P	
49	CTR	CTR00000	1	1	1	5.55 11.00 10.00 8.53 9.83	-87.05 -85.50 -83.00 -82.80 -84.10	200 600 100 500 1300	P P P P P	
50	CUB	CUB00000	1	1	1	21.50 20.25 19.72 19.65 21.30 21.83 22.88 23.37 23.42 22.68	-76.42 -74.05 -75.00 -77.72 -83.00 -85.07 -84.12 -82.33 -80.60 -78.17	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	
51	CVA	CVA00000	1	1	1	41.88	12.50	0	K	
52	CYP	CYP00000	1	1	1	35.10	33.20	300	K	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 13

1	2	3	4	5	6	7	8	9	10	11
53	D	D 00000	1	1	1	52.50 54.80 55.00 53.60 51.00 49.50 47.60 47.30 47.40 48.80	13.30 11.20 8.40 6.70 5.50 6.30 7.60 10.20 13.00 13.80	65 0 0 0 100 150 252 2649 2941 1378	E E E E E E H K K H	
54	DDR	DDR00000	1	1	1	54.57 53.95 52.83 50.63 50.22 50.18 49.37 50.82 53.27 52.42	13.43 10.92 10.78 9.88 10.72 12.30 14.32 14.77 14.43 13.53	46 23 80 550 310 759 150 400 20 40	E E H H H H H H E	
55	DJI	DJIOIFRB	1	1	1	11.67	42.60	0	E	
56	DMA	DMA0IFRB	1	1	1	15.33	-61.30	0	N	
57	DNK	DNK00001	1	1	1	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E	



O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 14

1	2	3	4	5	6	7	8	9	10	11
58	DNK	DNK00002	1	1	1	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E	
59	DNK	DNK00FAR	1	1	1	62.35 62.38 62.30 62.10 61.38	-6.25 -6.57 -7.22 -7.68 -6.67	0 0 0 0 0	G G G G	
60	DNK	GRL00000	1	1	1	70.48 60.05 64.67 77.48	-21.85 -43.15 -51.58 -69.20	0 0 0 0	A G A	
61	DOM	DOM0IFRB	1	1	1	18.67	-70.40	0	N	
62	E	CNR00000	1	1	1	29.22 28.72 28.22 28.03 27.72 28.58 27.98 28.77 27.63 27.72	-13.38 -14.02 -13.97 -14.32 -15.58 -16.13 -16.67 -17.98 -17.97 -18.08	50 60 120 40 50 380 70 150 50 50	E E E E E E E E E	

IFRB CONFERENCE PREPARATION

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 15

1	2	3	4	5	6	7	8	9	10	11
63	E	E 00002	1	1	1	36.00 36.72 42.32 39.78 43.38 43.78 42.92 41.88 39.67 37.18	-5.60 -2.17 3.33 4.32 -1.78 -7.67 -9.27 -8.85 -7.53 -7.37	50 30 70 100 50 50 30 60 150 60	K K K E H H H K K	
64	EGY	EGY00000	1	1	1	31.33 29.50 23.17 21.67 22.00 32.00	34.20 34.80 36.00 34.00 25.00 25.40	0 0 0 0 0 0	E C A A A E	
65	EQA	EQA00000	1	1	1	1.40 0.43 -0.12 -0.95 -4.97 -4.47 -1.35 -1.00 0.32 0.63	-78.87 -76.28 -75.28 -75.22 -79.03 -80.38 -90.43 -91.42 -91.67 -90.78	10 270 250 250 1300 280 40 60 20 20	P N N N P P N N N N	
66	ETH	ETH00000	1	1	1	18.00 17.05 8.00 4.43 3.38 4.92 8.00 10.98 11.78 12.73	38.57 37.05 33.02 36.00 39.88 44.97 48.00 42.92 41.72 43.12	100 500 200 400 800 100 700 500 800 100	C C E K J J E E E E	
67	E_F	AND00000	1	1	1	42.52	1.53	1100	K	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 16

1	2	3	4	5	6	7	8	9	10	11
68	F	ADL00000	1	1	1	-66.67	140.02	0	A	
69	F	F 00000	1	1	1	51.00 50.13 48.97 66.38 63.80 63.00 42.37 42.43 43.33 48.50	2.00 4.83 8.25 6.82 7.60 9.42 9.17 3.18 -1.78 -5.10	0 200 250 400 0 0 0 0 0 0	E E H K L L L L E E	
70	F	GDL00000	1	1	1	18.08 17.88 16.33 16.00 14.58	-63.08 -62.83 -61.00 -61.72 -61.08	0 0 0 0 0	N N N N N	
71	F	GDL00002	1	1	1	18.08 17.88 16.33 16.00 14.58	-63.08 -62.83 -61.00 -61.72 -61.08	0 0 0 0 0	N N N N N	
72	F	GUF00000	1	1	1	5.73 3.45 2.87 4.42	-54.00 -54.00 -52.43 -51.90	0 100 100 0	P P P P	
73	F	GUF00002	1	1	1	5.73 3.45 2.87 4.42	-54.00 -54.00 -52.43 -51.90	0 100 100 0	P P P P	
74	F	KER00000	1	1	1	-37.78 -49.83 -49.35 -46.43	77.57 68.85 70.23 51.87	0 0 0 0	F A A D	

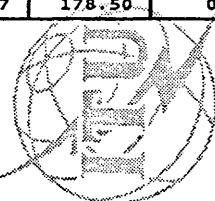
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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 17

1	2	3	4	5	6	7	8	9	10	11
75	F	MYT00000	1	1	1	-12.78 -12.78 -12.90	45.12 45.25 45.20	0 0 0	N N N	-
76	F	NCL00000	1	1	1	-20.20 -22.70 -21.57 -20.45	164.05 167.47 167.88 166.60	0 0 0 0	N N N N	
77	F	OCE00000	1	1	1	-8.92 -23.17 -16.50	-140.07 -135.00 -151.75	0 0 0	N D D	
78	F	REU00000	1	1	1	-20.87 -21.03 -21.37 -21.12	55.40 55.00 55.75 56.08	0 0 0 0	N N N N	
79	F	REU00002	1	1	1	-20.87 -21.03 -21.37 -21.12	55.40 55.00 55.75 56.08	0 0 0 0	N N N N	
80	F	SPM00000	1	1	1	47.10 46.82 46.78	-56.38 -56.42 -56.18	0 0 0	K K K	
81	F	WAL00000	1	1	1	-13.22 -13.27 -14.25 -14.38	-176.17 -176.12 -178.20 -178.03	0 0 0 0	N N N N	
82	FJI	FJIOIFRB	1	1	1	-17.17	178.50	0	N	



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OR B (2)
BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 18

1	2	3	4	5	6	7	8	9	10	11
83	FNL	FNL00000	1	1	1	70.08 69.33 69.05 60.00 59.47 59.62 60.23 62.90 67.67 69.47	27.92 21.25 20.67 19.25 20.28 22.62 27.47 31.60 30.00 29.33	50 800 500 0 0 0 0 200 300 200	EEEE EEEE EEEE E E E E E E E	
84	G	ASCSTHTC	1	1	1	-7.95 -15.97 -37.25	-14.37 -5.72 -12.50	750 750 750	J C D	
85	G	BERCAYMS	1	1	1	32.50 19.33 16.75 18.38 18.17	-65.00 -81.25 -62.23 -64.33 -62.92	50 100 100 100 100	N N N N N	
86	G	CYPSBA00	1	1	1	34.58	32.95	50	K	
87	G	FLKSTGGL	1	1	1	-51.70 -60.72 -54.28 -59.50 -76.00 -71.50 -62.98	-57.80 -45.60 -36.50 -27.00 -26.00 -69.00 -60.57	350 10 350 1000 30 92 50	D A A A A A A	
88	G	G 00000	1	1	1	60.83 57.82 55.08 54.47 54.13 49.87 49.17 50.68 51.17 52.62	-0.90 -8.57 -7.25 -8.17 -6.32 -6.45 -2.03 -1.07 1.38 1.73	0 0 0 0 0 0 0 0 0 0	GGGG GGGG GGGG GGGG GGGG GGGG GGGG GGGG GGGG GGGG	

FRB CONFERENCE PREPARATION

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 19

1	2	3	4	5	6	7	8	9	10	11
89	G	GIB00000	1	1	1	36.15	-5.35	330	K	
90	G	HKG00000	1	1	1	22.42	114.50	250	N	
91	G	PTC00000	1	1	1	-25.07	-130.10	0	A	
92	GAB	GAB00000	1	1	1	1.00	9.50	0	P	
					2.17	13.25	520	P		
					1.00	12.25	480	P		
					-2.33	14.00	580	N		
					-4.00	11.00	0	N		
					-0.67	8.75	0	N		
93	GHA	GHA00000	1	1	1	11.17	-0.38	183	P	
					8.28	0.73	549	P		
					6.12	1.20	3	P		
					4.73	-2.10	16	P		
					5.12	-3.12	0	P		
					6.62	-3.27	137	P		
					8.12	-2.63	275	P		
					10.63	-2.93	229	P		
					11.00	-2.83	229	P		
94	GMB	GMB00000	1	1	1	13.40	-16.40	20	K	
95	GNB	GNB0IFRB	1	1	1	12.00	-15.40	0	K	
96	GNE	GNE0IFRB	1	1	1	1.67	10.50	0	P	
97	GRC	GRC00000	1	1	1	39.88	19.37	0	L	
					37.75	20.50	0	L		
					34.80	24.12	0	K		
					36.13	29.62	0	K		
					36.45	28.22	0	K		
					41.33	26.63	50	L		
					41.72	26.35	100	L		
					41.67	24.25	1500	L		
					41.33	22.93	1800	L		
					40.85	21.98	850	L		
98	GRD	GRD0IFRB	1	1	1	12.00	-61.60	0	N	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
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NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 20

1	2	3	4	5	6	7	8	9	10	11
99	GTM	GTM00000	1	1	1	17.67	-89.15	0	N	
					17.67	-90.98	0	N		
					17.17	-91.43	0	N		
					16.00	-91.72	0	N		
					15.17	-92.20	0	N		
					14.50	-92.23	0	N		
					13.83	-91.07	0	N		
					13.67	-90.12	0	N		
					14.50	-89.15	0	N		
					15.67	-88.62	0	N		
100	GUI	GU00IFRB	1	1	1	11.00	-15.00	0	N	
					12.57	-13.50	0	K		
					12.50	-9.00	0	K		
					10.17	-8.00	0	N		
					7.17	-9.00	0	P		
101	GUY	GUY00000	1	1	1	8.25	-59.72	0	P	
					6.00	-57.13	0	P		
					3.33	-57.32	0	P		
					1.25	-58.83	0	P		
					3.33	-59.75	0	P		
					5.92	-61.25	0	P		
102	HND	HND00000	1	1	1	17.45	-83.50	40	P	
					15.50	-83.00	40	P		
					15.00	-83.17	0	P		
					13.75	-85.77	800	P		
					12.92	-87.47	0	P		
					14.43	-89.33	2419	P		
					15.08	-89.17	1200	P		
					16.22	-88.33	10	P		
103	HNG	HNG00000	1	1	1	48.00	22.90	100	K	
					48.60	20.80	400	K		
					48.10	17.40	100	K		
					46.80	16.10	320	K		
					45.70	18.10	105	K		
					46.20	21.00	100	K		

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NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 21

1	2	3	4	5	6	7	8	9	10	11
104	HOL	ABW00000	1	1	1	12.33 12.67 12.00 12.50 11.67 12.83 12.10 12.48 12.17	-70.17 -69.00 -67.92 -68.00 -69.00 -70.17 -68.28 -69.97 -68.98	0 0 0 0 0 0 1 1 1	N N N N N N N N N	
105	HOL	ATN00000	1	1	1	18.05 17.62 17.42 17.48 17.58 12.00 12.50 12.10 12.17 12.67	-63.00 -63.33 -63.25 -62.97 -62.75 -67.92 -68.00 -68.28 -68.98 -69.00	0 0 0 5 0 0 0 1 1 0	N N N N N N N N N N	
106	HOL	HOL00000	1	1	1	51.50 51.25 51.67 51.25 51.25 51.25 51.50 52.42 53.42 53.67	3.42 3.67 5.00 6.00 6.17 6.33 7.17 7.42 7.17 5.25	35 35 35 145 145 145 35 35 35 35	E E E E E E E E E E	
107	HTI	HTIOIFRB	1	1	1	18.83	-73.00	0	N	



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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 22

1	2	3	4	5	6	7	8	9	10	11
108	I	I 00000	1	1	1	45.08 45.83 46.43 46.98 47.10 46.53 40.00 36.65 35.43 39.08	6.60 6.80 8.33 11.20 12.20 13.72 18.63 15.15 12.60 8.23	3070 4051 3067 2900 2911 1508 0 0 0 0	L L K K K K K K K K	
109	IND	IND00000	1	1	1	27.15 29.37 35.53 37.05 36.00 28.00 26.70 23.78 6.35 8.40	97.12 96.17 80.17 75.47 72.55 70.40 69.52 68.20 94.20 73.00	4000 5000 5000 5000 5000 200 500 200 200 200	N K K E E K K K P N	
110	INS	INS00000	1	1	1	3.83 7.83 1.33 7.33 4.17 6.67 1.00 -9.33 -14.00 -8.00	92.17 95.50 104.00 109.00 118.00 129.92 140.83 141.00 120.00 100.00	0 0 10 0 510 0 9 0 0 0	P P P P P P P P P P	
111	IRL	IRL00000	1	1	1	55.40 53.30 54.30 51.30 52.20 54.30 53.10 51.80	-7.30 -6.00 -10.30 -9.80 -6.20 -5.50 -9.70 -8.10	40 0 40 0 0 0 0 0	H H H H H H H H	

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ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 23

1	2	3	4	5	6	7	8	9	10	11
112	IRN	IRN00000	1	1	1	30.50 36.65 25.28 39.23 39.72 38.28 51.03 26.90 25.85 33.97	48.07 61.10 61.50 44.60 47.98 56.75 61.83 63.25 55.05 45.40	25 280 10 850 40 900 485 1040 10 120	E E K C K C E E C K	
113	IRQ	IRQ00000	1	1	1	33.33 32.75 36.80 37.17 35.80 33.08 31.80 29.92 29.23 31.23	44.40 38.93 42.08 44.77 46.33 46.00 47.87 48.63 44.55 41.83	33 625 545 1000 1000 100 100 2 200 200	E E K K K M M M M	
114	ISL	ISL00000	1	1	1	64.15 65.05 66.05 65.65 65.70 66.25 65.25 66.25 63.40 64.85	-21.80 -22.40 -23.50 -20.30 -18.10 -15.30 -14.40 -15.20 -19.05 -19.55	30 30 30 20 30 30 30 30 20 600	E G G G G G G G G	
115	ISR	ISR00000	1	1	1	29.50 31.20 33.20 32.40 31.30	34.80 34.80 35.20 35.50 35.30	0 100 0 -125 -400	D G L K G	

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PAG. 24

1	2	3	4	5	6	7	8	9	10	11
116	J	J 00000	1	1	1	45.53 37.25 34.70 25.77 24.43 20.42 24.78 24.28	141.95 131.87 129.30 123.52 122.93 136.07 141.33 153.98	5 5 5 5 5 5 5 5	K M N N N N D	
117	JMC	JMC00000	1	1	1	17.87 18.50	-77.35 -77.83	0 0	N N	
118	JOR	JOR00000	1	1	1	32.00 29.50 32.60 32.00 32.50 30.50	35.83 35.08 36.00 35.00 39.00 38.00	0 0 0 0 0 0	E M M M C	
119	KEN	KEN00000	1	1	1	3.83 -1.50 -4.67 -1.00 4.17 4.50	41.90 41.60 39.20 33.90 34.00 36.40	0 0 0 0 0 0	J J K K J	
120	KIR	KIROIFRB	1	1	1	1.00	173.00	0	N	
121	KOR	KOR00000	1	1	1	33.10 37.33 34.08 35.08 36.43 36.12 37.52 37.97 38.30 38.50	126.27 131.87 125.12 129.12 127.85 127.48 126.92 125.72 127.23 128.42	34 20 40 20 180 156 40 20 250 10	M K K K K K K K K K	

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PAG. 25

1	2	3	4	5	6	7	8	9	10	11
122	KRE	KRE00000	1	1	1	38.01 37.77 38.63 42.28 43.00 41.80 39.80 38.50 38.92 40.20	124.67 126.58 128.37 130.68 129.97 126.93 124.18 123.50 125.83 132.50	90 30 29 13 74 335 70 15 36 10	K K K K K K M M M M	
123	KWT	KWT00000	1	1	1	30.08 29.45 29.33 28.53 29.12 29.68 29.37 29.33 29.33 28.73	47.70 48.27 47.67 48.40 46.67 47.68 47.97 48.02 48.08 48.38	20 5 24 10 285 80 10 22 15 3	E E E E E E E E E E	
124	LAO	LA00IFRB	1	1	1	20.50 22.50 20.00 17.50 14.00 14.67	100.50 102.00 104.50 101.00 105.83 107.50	0 0 0 0 0 0	N N N N N N	
125	LBN	LBN00000	1	1	1	33.83	35.80	0	E	
126	LBR	LBR00000	1	1	1	8.50 7.50 5.67 4.50 5.00 6.83	-10.20 -8.60 -7.40 -7.60 -9.05 -11.50	0 0 0 0 0 0	N N P P N N	

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PAG. 26

1	2	3	4	5	6	7	8	9	10	11
127	LBV	LBV00000	1	1	1	31.80 26.43 18.78 21.72 22.70 24.90 30.33 33.05 32.40 32.60	25.00 24.87 23.95 17.58 12.53 10.08 9.92 11.50 15.08 21.73	168 257 834 1093 905 701 370 23 60 832	K E E E E E E K K K	
128	LIE	LIE00000	1	1	1	47.20	9.50	400	H	
129	LSO	LS00IFRB	1	1	1	-29.50	28.40	0	E	
130	LUX	LUX00000	1	1	1	49.45 49.85 50.18 49.90 49.53 49.45	6.37 6.52 6.02 5.73 5.80 6.02	145 160 536 425 270 420	E E E E E E	
131	MAU	MA00IFRB	1	1	1	-20.17	57.50	0	N	
132	MCO	MCO00000	1	1	1	43.67	7.40	0	L	
133	MDG	MDG00IFRB	1	1	1	-12.17 -18.00 -17.00 -25.00 -25.67 -23.17	49.00 49.20 44.00 47.00 45.00 43.40	0 0 0 0 0 0	P P P P P P	

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ALLOTMENT PLAN REQUIREMENTS
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PAG. 27

1	2	3	4	5	6	7	8	9	10	11
134	MEX	MEX00000	1	1	1	32.67	-115.45	2	E	
					2	24.15	-110.33	10	N	
					3	18.72	-110.95	20	N	
					4	16.83	-99.92	82	N	
					5	14.72	-95.42	2	N	
					6	21.60	-87.10	157	N	
					7	19.20	-96.13	14	N	
					8	25.87	-97.33	12	M	
					9	29.32	-100.92	200	M	
					10	31.73	-106.48	1144	E	
135	MLA	MLA00000	1	1	1	3.00	101.50	200	P	
					2	5.40	100.20	100	P	
					3	3.70	103.50	100	P	
					4	1.55	103.75	100	P	
					5	1.60	110.30	100	P	
					6	1.75	113.50	100	P	
					7	7.00	117.00	50	P	
					8	4.30	117.90	50	P	
					9	6.50	100.25	50	P	
					10	5.60	119.38	50	P	
136	MLD	MLD01IFRB	1	1	1	8.50	73.00	0	N	
					2	-3.50	73.00	0	N	
137	MLI	MLI01IFRB	1	1	1	25.00	-4.70	0	A	
					2	20.00	2.80	0	C	
					3	16.00	4.20	0	E	
					4	15.00	-12.00	0	K	
					5	13.67	-12.00	0	K	
					6	11.00	-8.30	0	N	
138	MLT	MLT00000	1	1	1	36.05	14.25	100	K	
					2	35.92	14.50	20		
					3	35.82	14.40	300		
					4	35.82	14.47	200		
					5	35.88	14.33	200		

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PAG. 28

1	2	3	4	5	6	7	8	9	10	11
139	MNG	MNG00000	1	1	1	51.90	98.80	0	E	
					2	47.33	118.90	0	F	
					3	43.20	110.00	0	C	
					4	42.30	103.40	0	C	
					5	43.20	95.00	0	E	
					6	48.90	87.90	0	E	
140	MOZ	MOZ01IFRB	1	1	1	-10.67	40.30	0	N	
					2	-16.00	40.00	0	N	
					3	-26.67	32.50	0	K	
					4	-15.00	30.30	0	J	
					5	-11.67	35.00	0	J	
141	MRC	MRC00000	1	1	1	35.78	-5.90	479	K	
					2	35.03	-2.03	641		
					3	32.13	-1.30	1588		
					4	29.83	-5.73	1804		
					5	30.43	-9.63	561		
					6	27.17	-13.18	500		
					7	23.70	-15.93	20		
					8	23.50	-12.80	63		
					9	26.35	-9.57	81		
					10	20.78	-17.00	0	E	
142	MTN	MTN01IFRB	1	1	1	15.50	-5.50	0	E	
					2	14.67	-12.00	0	K	
					3	16.00	-16.30	0	C	
					4	27.17	-8.40	0	A	
					5	25.00	-4.50	0	E	
					6	21.17	-16.80	0	C	
					7	26.00	-12.00	0		
143	MWI	MWI01IFRB	1	1	1	-9.50	33.20	0	J	
					2	-9.50	34.00	0	J	
					3	-11.67	35.00	0	J	
					4	-14.67	35.80	0	J	
					5	-17.17	35.20	0	J	
					6	-13.50	32.80	0	J	

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PAG. 29

1	2	3	4	5	6	7	8	9	10	11
144	NCG	NCG0IFRB	1	1	1	13.00 13.67 14.83 15.00 10.83 11.00	-87.58 -86.75 -84.83 -83.30 -83.67 -85.82	0 0 0 0 0 0	P P P P P P	
145	NGR	NGR0IFRB	1	1	1	15.00 19.00 23.50 20.00 13.50 11.67	0.00 4.20 12.00 15.60 13.00 3.50	0 0 0 0 0 0	E C A C E K	
146	NIG	NIG00000	1	1	1	14.00 13.83 12.00 12.00 6.67 6.50 7.28 8.00 9.00 9.87 5.00	5.00 13.23 14.50 8.50 2.75 11.38 8.00 12.92 3.28 5.43	0 0 0 0 0 0 0 0 0 0	K E P N P P N P N N	
147	NMB	NMB0IFRB	1	1	1	-17.67 -29.00 -27.00 -17.00 -22.00	25.00 19.00 15.00 12.00 21.00	0 0 0 0 0	E C C E C	
148	NOR	NOR00000	1	1	1	58.92 57.90 58.17 61.68 67.45 78.00 70.40 69.05 67.07 61.37	0.50 7.60 5.17 4.40 11.63 16.00 31.37 29.08 16.33 12.83	200 0 0 30 0 0 50 0 0 0	G G J J G A C C G G	

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PAG. 30

1	2	3	4	5	6	7	8	9	10	11
149	NPL	NPL0IFRB	1	1	1	28.67 30.00 27.83 26.50 27.50	80.20 82.00 88.00 88.00 83.00	0 0 0 0 0	K	
150	NRU	NRU0IFRB	1	1	1	-0.50	166.90	0	N	
151	NZL	NZL00001	1	1	1	-34.42 -37.68 -40.90 -43.83 -47.42 -45.90 -42.42 -40.50 -39.28 -77.85	172.68 178.55 176.23 176.42 167.42 166.43 171.17 172.67 173.75 166.77	30 90 30 20 0 60 50 0 10 30	K K K K K K K K K A	
152	NZL	NZL00002	1	1	1	-8.98 -13.28 -21.20 -19.87 -18.05 -19.05 -8.53 -9.20 -9.38 -13.50	-158.07 -163.18 -159.78 -157.68 -163.20 -169.92 -172.52 -171.85 -171.25 -172.80	0 0 0 0 0 60 0 0 0 0	N N D D D N N N N N	
153	OMA	OMA00000	1	1	1	16.67 18.58 19.00 19.00 20.00 22.50 22.75 25.00 26.67	53.08 51.88 52.00 58.00 55.00 60.00 55.17 55.75 56.75	75 600 150 0 100 0 100 300 0	C C C C C C C C C	

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PAG. 31

1	2	3	4	5	6	7	8	9	10	11
154	PAK	PAK00000	1	1	1 2 3 4 5 6 7 8 9 10	35.50 25.17 29.50 24.17 24.00 37.17 35.60 32.70 36.20 30.20	77.50 61.80 61.30 71.00 68.10 75.10 79.80 79.10 71.20 73.80	0 0 0 0 0 0 0 0 0 0	E KK EM MM M	
155	PHL	PHL0IFRB	1	1	1 2 3 4 5 6	21.00 5.00 6.00 11.00 7.50 15.00	122.00 120.00 126.00 126.00 117.00 125.00	0 0 0 0 0 0	N PP NP N	
156	PNG	PNG00000	1	1	1 2 3 4 5	-1.00 -7.00 -12.00 -9.17 -2.50	150.00 157.00 154.00 141.00 141.00	0 0 0 0 0	P PP P P	
157	PNR	PNR0IFRB	1	1	1 2 3 4 5	9.50 9.50 7.17 7.00 8.17	-82.83 -77.60 -77.88 -81.88 -83.00	0 0 0 0 0	P PP NP	
158	POL	POL00000	1	1	1 2 3 4 5 6 7 8 9 10	53.92 52.83 50.88 50.12 49.27 49.05 50.50 52.73 54.25 54.83	14.23 14.05 14.83 16.68 19.92 22.83 24.05 23.93 23.32 18.33	25 75 150 500 2000 800 200 200 200 50	E H H H H H H H H E	

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PAG. 32

1	2	3	4	5	6	7	8	9	10	11
159	POR	AZR00000	1	1	1 2 3	37.78 38.75 39.42	-25.67 -27.08 -31.17	200 60 900	K K K	
160	POR	MAC00000	1	1	1	22.17	113.57	0	N	
161	POR	MDR00000	1	1	1 2 3	32.65 30.03 33.12	-16.93 -16.05 -16.28	210 50 100	H H H	
162	POR	POR00000	1	1	1 2 3 4 5 6 7	41.87 41.82 37.20 37.02 38.87 41.15 37.02	-8.85 -6.75 -7.42 -7.93 -9.27 -8.58 -8.93	30 690 20 20 180 200 20	H H K K K K K	
163	PRG	PRG00000	1	1	1 2 3 4 5 6	-22.33 -19.65 -19.33 -23.83 -26.83 -27.17	-62.75 -62.00 -58.72 -54.45 -55.00 -58.30	0 0 0 0 0 0	N PP PP P P	
164	PRU	PRU00000	1	1	1 2 3 4 5 6 7 8 9 10	-18.35 -12.30 -9.43 -7.58 -2.75 -6.03 -3.40 -4.43 -6.08 -13.45	-70.38 -69.00 -70.48 -73.98 -70.05 -75.22 -80.32 -81.33 -81.17 -76.12	200 365 365 365 365 365 15 15 15 15	E NN NN NN NN NN P P P P	

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PAG. 33

1	2	3	4	5	6	7	8	9	10	11
165	QAT	QAT00000	1	1	1	26.20 24.80 24.70 25.30 26.20 24.50 25.70	51.10 52.30 50.80 50.70 52.30 51.50 52.40	0 0 0 0 0 0 0	C C C C C C C	
166	ROU	ROU00000	1	1	1	48.25 47.67 46.00 43.83 43.50 44.00 46.00 47.67 48.17 48.25	26.67 29.00 30.75 28.58 25.00 21.00 19.33 21.00 23.00 25.00	200 100 0 0 200 700 100 150 200 200	K K K K K K K K K K	
167	RRW	RRW00000	1	1	1	-2.73 -2.83 -2.82 -1.98 -2.43 -2.07 -1.04 -1.30 -1.67	29.03 29.37 29.70 30.11 30.30 30.90 30.44 29.82 29.24	1100 950 1500 1500 1400 1300 1300 2400 1500	K K K K K K K K K	
168	S	S 00000	1	1	1	55.37 55.38 57.43 59.62 65.67 68.30 69.05 66.13 63.27 58.88	12.80 14.20 19.00 19.63 24.13 23.08 20.07 14.52 11.97 10.97	3 3 0 0 0 300 300 1100 1100 0	E E E E E C C C E G	
169	SCN	SCNOIFRB	1	1	1	17.33	-62.90	0	N	

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PAG. 34

1	2	3	4	5	6	7	8	9	10	11
170	SDN	SDN00001	1	1	1	15.70 12.00 4.67 3.67 4.20 8.67 13.00	32.50 35.00 36.00 33.00 28.20 23.50 22.00	300 1200 500 1500 1000 1500 1500	E E J K N N K	
171	SDN	SDN00002	1	1	1	15.70 12.00 13.00 18.00 23.00 22.00	32.50 35.00 22.00 38.50 35.50 25.00	300 1200 1500 0 0 0	E E K C A A	
172	SEN	SEN00000	1	1	1	12.30 14.00 16.15 16.30 16.00 14.50 13.00 12.15 12.30 12.20	-11.30 -12.30 -13.30 -15.00 -16.30 -16.60 -16.40 -16.30 -14.30 -13.00	125 174 12 5 16 105 25 13 52 100	K K K K N K K K K N	
173	SEY	SEYOIFRB	1	1	1	-4.50	55.40	0	N	
174	SLM	SLMOIFRB	1	1	1	-11.00 -8.00 -6.50 -7.50	162.50 160.80 156.20 155.50	0 0 0 0	P P P P	
175	SLV	SLVOIFRB	1	1	1	13.67	-89.00	0	P	
176	SMO	SM000000	1	1	1	-13.47 -13.43 -13.82 -14.00 -14.01 -13.75	-172.86 -172.25 -171.72 -171.38 -171.72 -172.50	0 0 0 0 0 0	N N N N N N	

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PAG. 35

1	2	3	4	5	6	7	8	9	10	11
177	SMR	SMR00000	1	1	1	43.91 43.91 43.97 43.95 43.92 43.88 43.98	12.45 12.52 12.45 12.40 12.40 12.45 12.52	750 300 100 40 40 400 0	K K K K K K K	
178	SNG	SNG00000	1	1	1	1.28	103.85	3	P	
179	SOM	SOM0IFRB	1	1	1	11.17 12.00 8.00 3.00 -2.00 3.00	43.20 51.00 50.00 47.00 41.50 41.00	0 0 0 0 0 0	E E E E J J	
180	SRL	SRL0IFRB	1	1	1	8.50	-11.90	0	N	
181	STP	STPOIFRB	1	1	1	1.00	7.00	0	N	
182	SUI	SUI00000	1	1	1	46.10 47.30 47.80 46.90 45.70 45.90	6.00 6.90 8.50 10.40 9.00 7.10	600 600 600 600 600 600	H H H H H H	
183	SUR	SUROIFRB	1	1	1	5.83 5.67 3.67 2.17 1.67 4.00	-56.92 -53.95 -53.95 -54.33 -56.00 -58.12	0 0 0 0 0 0	P P P P P P	
184	SWZ	SWZ00000	1	1	1	26.87 -26.67 -25.83	31.18 31.25 31.40	375 375 375	K K K	.

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PAG. 36

1	2	3	4	5	6	7	8	9	10	11
185	SYR	SYR00000	1	1	1	37.25 34.75 36.85 32.65 33.60 33.50 35.70 34.90	42.25 41.25 38.30 35.70 36.00 40.10 35.50 36.80	400 200 600 40 1000 600 30 10	E E E E E E E E	
186	TCD	TCDOIFRB	1	1	1	14.50 23.50 19.50 7.50 11.00 21.50	13.50 16.00 24.00 15.50 22.80 20.00	0 0 0 0 0 0	E A C N K A	
187	TCH	TCH00000	1	1	1	50.32 51.05 51.03 50.32 49.28 49.07 48.37 47.73 48.77 49.37	12.12 14.32 15.17 17.72 22.00 22.57 22.13 17.73 13.82 12.67	573 512 405 240 690 1214 103 112 1320 500	H H H H K K K K H	
188	TGO	TGO00000	1	1	1	6.00 6.83 11.00 11.00 9.17 6.17	1.20 0.50 -0.20 0.70 1.70 1.90	0 0 0 0 0 0	P K K N P	
189	THA	THA00000	1	1	1	20.50 18.50 7.40 5.50 14.30 18.60	99.50 97.30 97.80 101.60 105.40 103.70	0 0 0 0 0 0	N P P P N N	

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PAG. 37

1	2	3	4	5	6	7	8	9	10	11
190	TON	TON0IFRB	1	1	1	-21.17	-175.17	0	N	
191	TRD	TRD00000	1	1	1	10.68 10.67 10.65 10.73 10.35 11.18	-61.03 -61.50 -61.52 -61.57 -61.13 -60.73	40 354 3 241 10 38	N N N N N N	
192	TUN	TUN00000	1	1	1	37.35 37.28 34.00 34.30 33.15 29.50 32.30 36.50 36.87 36.90	8.50 11.15 7.30 12.30 11.35 9.32 8.10 8.30 9.70 10.53	0 0 0 0 0 0 0 0 0 0	K K K K K K K K K K	
193	TUR	TUR00000	1	1	1	39.67 37.28 41.50 36.02 36.68 35.93 41.45 41.08 41.77 40.13	44.80 44.78 41.57 32.80 27.37 36.12 31.80 29.03 26.37 25.68	700 2500 50 100 100 50 100 50 150 500	K K K K K K K K L L	
194	TUV	TUV00000	1	1	1	-8.60 -8.40	179.07 179.25	0 0	N N	
195	TZA	TZA0IFRB	1	1	1	-1.00 -1.00 -5.00 -10.50 -11.50 -5.00	30.50 34.00 40.00 40.00 35.00 29.75	0 0 0 0 0 0	K K K K K K	

OR B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 38

1	2	3	4	5	6	7	8	9	10	11
196	UAE	UAE00000	1	1	1	25.50 24.50 23.00 22.45 24.08 25.00 25.60 26.08 25.87 25.47	53.25 50.80 51.90 55.12 56.10 56.38 56.60 56.18 55.03 54.35	0 120 100 150 450 0 0 0 900 0	C C C C C C C C C C	
197	UGA	UGA0IFRB	1	1	1	4.00 3.67 0.67 -1.17 -1.17 1.17	34.00 31.20 30.00 29.80 33.80 34.60	0 0 0 0 0 0	K K K K K K	
198	URG	URG00000	1	1	1	-34.80 -34.47 -33.12 -31.38 -36.27 -30.43 -30.90 -32.60 -33.70 -34.90	-56.13 -57.83 -58.30 -57.95 -57.60 -57.45 -55.53 -53.38 -53.47 -54.97	47 6 8 46 66 126 146 14 22 K	K K K K K K K K K K	
199	URS	URS00001	1	1	1	69.60 54.80 48.50 45.20 38.40 35.00 37.00 56.00 72.00 70.00	30.50 19.60 22.00 29.60 48.90 62.00 75.00 92.50 79.00 60.00	200 0 200 200 100 500 3000 500 100 100	E H H H E E AA	

OR B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 39

1	2	3	4	5	6	7	8	9	10	11
200	URS	URS00002	1	1	1 2 3 4 5 6 7 8 9 10	62.30 48.40 41.00 50.00 47.00 41.30 55.70 70.00 72.00 73.00	129.50 135.80 132.00 108.00 83.00 69.10 37.50 60.00 79.00 110.50	200 300 200 500 500 600 200 100 100 200	C F K E E E A A A A	
201	URS	URS00003	1	1	1 2 3 4 5 6 7 8 9 10	66.00 70.00 70.80 71.00 73.00 56.00 52.30 41.00 46.00 54.40	-170.00 168.30 149.50 129.00 110.50 92.50 104.30 132.00 150.00 168.00	200 200 100 200 200 500 200 200 200 200	A A A A E E K K C	
202	USA	ALS00000	1	1	1 2 3 4 5 6 7 8 9 10	71.50 69.00 66.00 63.83 54.00 51.50 54.50 69.83 70.75 60.00	-156.08 -166.50 -169.00 -172.00 -172.00 -176.00 -130.00 -141.00 -149.00 -133.83	0 0 0 0 0 0 0 0 0 0	A C C D D D A A C	



OR B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 40

1	2	3	4	5	6	7	8	9	10	11
203	USA	CAR00000	1	1	1 2 3 4 5 6 7 8 9 10	8.00 5.00 2.50 0.00 0.00 0.00 5.00 11.50 3.00 3.00	132.00 130.50 130.50 141.00 155.00 168.50 170.00 168.00 155.00 140.00	0 0 0 0 0 0 0 0 0 0	P P P P N P P P P P	
204	USA	GUMMRA00	1	1	1 2 3 4 5 6 7 8 9 10	21.50 20.00 17.50 15.00 13.50 12.00 12.00 15.00 17.50 20.00	145.00 143.00 142.00 143.00 144.00 146.00 147.00 148.00 149.00 148.00	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	
205	USA	HWA00000	1	1	1 2 3 4 5 6 7	22.00 22.25 21.83 21.00 19.50 18.50 21.25	-160.50 -159.50 -158.00 -156.42 -154.75 -155.75 -158.00	0 0 0 0 0 0 0	P P P P P P P	
206	USA	HWL00000	1	1	1	0.08	-176.58	0	N	
207	USA	JAR00000	1	1	1	-0.38	-160.00	0	N	
208	USA	JON00000	1	1	1	17.00	-168.50	0	D	
209	USA	MDW00000	1	1	1	28.22	-177.42	0	D	

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OR B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 41

1	2	3	4	5	6	7	8	9	10	11
210	USA	MRL00000	1	1	1	15.00 14.00 11.50 9.00 5.50 3.00 2.75 4.00 8.00 12.00	175.00 172.00 171.00 170.92 172.00 175.33 177.00 178.50 179.50 178.00	0 0 0 0 0 0 0 0 0 0	D N N P P P P P P N	-
211	USA	PLM00000	1	1	1	7.00	-161.42	0	N	
212	USA	SMA00000	1	1	1	-14.22	-170.70	0	D	
213	USA	USA00000	1	1	1	47.00 48.42 40.50 34.50 32.83 25.00 25.03 44.83 47.33 49.42	-123.00 -124.75 -124.33 -120.00 -117.33 -97.33 -79.63 -67.00 -68.33 -95.25	0 0 0 0 0 0 0 0 0 0	D D D E E M N K K	
214	USA	USAVIPRT	1	1	1	17.75	-64.50	0	N	
215	USA	WAK00000	1	1	1	19.20	166.50	0	D	
216	VCT	VCT0IFRB	1	1	1	13.17	-61.10	0	N	



OR B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 42

1	2	3	4	5	6	7	8	9	10	11
217	VEN	VEN00001	1	1	1	12.45 10.43 7.43 5.47 2.83 0.67 3.67 8.49 8.13 10.70	-70.90 -72.87 -72.37 -67.70 -67.88 -65.32 -62.67 -60.67 -59.83 -61.92	0 2000 2000 100 100 500 500 100 0 200	N N N P P P P P P N	
218	VEN	VEN00002	1	1	1	15.67	-63.62	0	N	
219	VTN	VTN00000	1	1	1	22.40 23.20 21.50 16.55 10.87 8.67 6.28 9.25 15.38 19.40	102.15 105.30 108.00 112.00 117.33 111.92 113.70 103.45 109.15 104.00	1700 2000 0 0 0 0 5 5 5 100	N N N P P P P P N N	
220	VUT	VUTOIFRB	1	1	1	-14.67 -20.00 -18.00 -15.50	166.50 169.80 167.50 168.00	0 0 0 0	P N P P	
221	YEM	YEM00IFRB	1	1	1	15.17 16.50 17.40 12.67 16.83 15.50	42.60 42.60 44.00 43.50 46.20 46.20	0 0 0 0 0 0	E C C C C C	

FRE CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 43

1	2	3	4	5	6	7	8	9	10	11
222	YMS	VMS00000	1	1	1	12.75 12.67 13.12 13.67 14.83 17.50 18.00 17.00 12.50 12.58	45.00 43.47 43.82 44.53 45.52 48.50 51.50 52.37 53.80 54.50	250 70 864 1400 1196 1000 600 1000 1000 500	E E E E C C C E E	
223	YUG	YUG00000	1	1	1	46.40 40.60 46.30 42.90 44.50 43.10	13.40 21.00 20.10 16.10 22.70 23.00	640 900 80 0 60 1300	K L K K K K	
224	ZAI	ZAI0IFRB	1	1	1	5.00 2.17 -5.50 -11.00 -13.50 -8.17 3.67 4.60	19.50 31.50 12.00 22.10 29.80 30.70 30.83 29.60	0 0 0 0 0 0 0 0	P K K K J J K K	
225	ZMB	ZMBOIFRB	1	1	1	-8.50 -9.50 -13.67 -17.50 -16.50 -13.00 -16.00	28.70 33.00 33.00 25.50 22.00 22.00 22.00	1290 1290 1290 1290 1290 1290 1290	K J J J E J J	



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O R B (2)
BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 44

1	2	3	4	5	6	7	8	9	10	11
226	ZWE	ZWE00000	1	1	1	-17.78 -17.92 -16.53 -15.63 -16.72 -19.78 -21.37 -22.40 -22.20 -19.48	25.28 27.00 28.07 30.42 32.98 32.65 32.50 31.32 29.38 26.12	1190 1190 1190 1190 1190 1190 1190 1190 1190 1190	J J J J J J J J J J	

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 230(Rev.2)-E

14 September 1988

Original: English

WORKING GROUP 4-B

Note by the Secretary-General

IFRB REPORT

ALLOTMENT PLANNING REQUIREMENTS
SUBMITTED BEFORE 1800 HRS, 14 SEPTEMBER 1988

At the request of the Chairman of Working Group 4-B, I have the honour to transmit to the Conference a copy of the Allotment Planning requirements submitted before 1800 hrs, 14 September 1988.

R.E. BUTLER

Secretary-General

Attachment

IFRB REPORT

ALLOTMENT PLANNING REQUIREMENTS
SUBMITTED BEFORE 1800 HRS, 14 SEPTEMBER 1988

Explanation of columns

<u>Column</u>	<u>Description</u>
1	Requirement number
2	Administration
3	Beam name
4	Use of 6/4 GHz (0 = no, 1 = yes)
5	Use of 14/11 - 12 GHz (0 = no, 1 = yes)
6	Test point number
7	Test point latitude (degrees North)
8	Test point longitude (degrees East)
9	Height above mean sea-level (metres)
10	Rain-climatic zone
11	Remarks

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 3

1	2	3	4	5	6	7	8	9	10	11
1	AFG	AFG00000	1	1	1	37.33 31.67 35.50 34.42 35.92 29.83 33.33 34.87 29.97 37.17	74.80 65.67 61.33 70.42 64.75 61.00 70.00 71.13 66.33 70.55	0 0 0 0 0 0 0 0 0 0	C C C C C C C C C C	
2	AFS	AFS00000	1	1	1	-33.92 28.62 22.92 -26.73 -24.80 -22.35 -25.45 -28.90 -29.85 -46.58	18.42 16.48 14.50 20.62 26.05 30.05 30.97 31.47 31.00 30.93	50 94 50 888 1200 634 312 50 50 50	D D D D C K K K D D	
3	AGL	AGL0IFRB	1	1	1	-17.50 -6.50 -11.00 -17.50 -7.00	12.00 12.50 24.00 23.00 20.00	0 0 0 0 0	E K K E K	
4	ALB	ALB00000	1	1	1	42.63 42.22 41.85 40.50 39.90 39.65 40.12 40.67 42.22 42.52	19.80 19.47 19.45 19.30 19.93 20.20 20.65 21.02 20.48 20.13	2125 20 53 331 140 855 871 1189 1392 2075	K K K L L L L K K	



O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 4

1	2	3	4	5	6	7	8	9	10	11
5	ALG	ALG00000	1	1	1	36.10 36.90 36.78 27.70 24.30 24.30 19.55 23.58 30.22 19.92	-2.20 8.45 3.02 -8.17 -1.22 9.45 5.80 11.83 9.42 3.00	5 25 350 440 820 1230 410 1000 325 655	K K K E E E E E E E	
6	ARG	ARG00000	1	1	1	-25.38 -26.25 -26.75 -54.72 -54.83 -49.92 -31.48 -24.47 -21.77 -22.12	-54.12 -53.63 -53.75 -63.82 -68.33 -73.48 -70.60 -3852 -3268 -2143 103	187 53 45 61 12 3270 3852 3268 2143 N	P P P D D D D E E N	
7	ARG	ARGINSL	1	1	1	-49.92 -47.05 -60.73 -72.87 -68.13	-73.48 -65.85 -44.73 -34.62 -67.07	3270 37 72 105 87	D A A A A	
8	ARS	ARS00000	1	1	1	28.08 31.50 32.33 28.33 26.33 22.17 20.00 16.08 16.33 21.50	34.42 37.00 39.33 48.50 50.25 56.00 55.17 46.67 42.80 39.17	10 300 850 10 10 70 100 940 10 10	C C C C C C C C C A	
9	ATG	ATG0IFRB	1	1	1	17.00	-61.80	0	N	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 5

1	2	3	4	5	6	7	8	9	10	11
10	AUS	AUS00001	1	1	1	-10.58 -27.47 -33.87 -37.22 -42.87 -34.92 -31.95 -21.55 -12.45 -34.37	142.22 153.02 151.22 144.97 147.32 138.60 115.85 114.07 130.82 115.15	58 0 0 0 0 0 0 0 0 0	P P P K F F K K P K	
11	AUS	AUS00002	1	1	1	-31.52 -29.07 -30.40 -29.40	159.07 167.97 163.55 163.40	0 0 0 0	M M M M	
12	AUS	AUS00003	1	1	1	-10.50 -12.20 -11.75 -10.95	105.70 96.82 101.35 101.20	0 0 0 0	H H H H	
13	AUS	AUS00004	1	1	1	-54.47	158.97	0	A	
14	AUS	AUS00005	1	1	1	-66.27	110.42	0	A	
15	AUT	AUT00000	1	1	1	48.05 48.00 49.00 48.25 47.28 46.78 46.40	13.37 17.17 15.00 13.05 9.55 10.92 14.60	1764 134 450 353 425 3260 1130	K K K K K K K	



O R B (2)
BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 6

1	2	3	4	5	6	7	8	9	10	11
16	B	B 00001	1	1	1	2.45 5.12 1.68 -7.57 -9.33 -13.65 -16.25 16.32 15.58 -12.33	-54.72 -60.20 -69.83 -73.97 -73.25 -60.68 -60.18 -58.32 -56.08 -55.33	500 2772 180 280 260 300 200 100 170 500	P P P P P P N N P P	
17	B	B 00002	1	1	1	2.45 4.38 -1.18 -3.83 -8.15 -12.98 -17.87 -15.77 -12.33	-54.72 -51.48 -46.10 -32.40 -34.93 -38.48 -39.32 -47.92 -55.33	500 10 10 38 5 8 10 N P P	P P P N N N N P P	
18	B	B 00003	1	1	1	-12.33 -17.87 -15.77 -22.00 -33.77 -30.22 -27.10 -22.08 -16.32 -15.58	-55.33 -39.32 -47.92 -41.00 -53.38 -57.65 -53.87 -57.95 -58.32 -56.08	500 10 10 10 22 35 200 100 100 170	P N P N N N N N P P	
19	BAH	BAHOIFRB	1	1	1	27.67 26.67 22.83 20.67 20.67 25.67	-78.70 -77.00 -72.50 -72.90 -73.70 -79.40	0 0 0 0 0 0	N N N N N N	

COMITE D'ADJUDICATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 7

1	2	3	4	5	6	7	8	9	10	11
20	BDI	BDI00000	1	1	1	-4.82 -4.82 -2.93 -1.97 -2.28	29.08 30.23 31.23 30.83 28.65	2000 1300 1500 1500 1460	K K K K K	
21	BEL	BEL00000	1	1	1	51.10 51.17 49.55 50.87 50.13	2.53 5.83 5.83 4.12 5.15	0 40 400 35 165	E E E E E	
22	BEN	BEN00000	1	1	1	6.28 5.38 7.57 7.90 9.02 9.08 10.17 10.28 12.35 11.70	1.82 2.68 1.70 2.63 1.67 2.73 1.12 3.38 2.85 3.55	6 3 240 165 384 293 247 410 200 167	P P N N N N N N K K	
23	BFA	BFA00000	1	1	1	15.00 12.00 9.50 10.33 13.33 14.50	0.00 -2.20 -2.75 -5.50 -4.00 -1.90	0 0 0 0 0 0	E K N K K K	
24	BGD	BGD00000	1	1	1	25.00 23.00 22.00 26.00 24.70 26.70 26.00 22.00 21.50 23.00	92.38 92.38 92.50 88.25 88.00 88.42 90.00 89.00 92.00 89.00	150 150 150 200 200 200 200 150 150 150	N N N N N K K N N N	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 8

1	2	3	4	5	6	7	8	9	10	11
25	BHR	BHR00000	1	1	1	26.07	50.60	0	C	
26	BLZ	BLZ00000	1	1	1	18.40 17.52 16.53 16.10 17.15 17.13 16.97	-88.40 -88.20 -88.42 -88.82 -89.07 -88.77 -88.23	3 0 3 4 80 15 3	N N N N N N N	
27	BOL	BOL00000	1	1	1	-20.00 -22.67 -17.00 -11.00 -10.82 -18.00 -14.00	-58.00 -67.50 -68.00 -68.77 -65.40 -57.78 -60.83	180 4200 4000 260 170 255 180	P E E P P P P	
28	BOT	BOT00000	1	1	1	-22.17 -18.25 -17.83 -20.83 -23.00 -25.83	20.00 22.22 25.17 27.83 28.00 25.75	1252 997 929 1379 790 1292	E E E E E E	
29	BRB	BRB01FRB	1	1	1	13.17	-59.60	0	N	
30	BRM	BRM01FRB	1	1	1	21.67 11.67 10.00 28.17 21.33	101.00 99.60 98.00 97.50 92.40	0 0 0 0 0	N P P K P	
31	BRU	BRU01FRB	1	1	1	4.50	114.60	0	P	

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O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 9

1	2	3	4	5	6	7	8	9	10	11
32	BUL	BUL00000	1	1	1	44.17 43.75 44.08 43.70 42.00 41.25 41.33 42.30 43.20 43.82	22.75 24.50 27.25 28.55 28.00 25.30 22.97 22.50 23.00 22.58	100 100 150 100 100 1400 1750 1000 1800 500	K K K K K K K K K K	
33	CAF	CAF00000	1	1	1	7.50 6.00 2.83 5.00 11.00	15.50 14.60 16.10 27.50 22.50	0 0 0 0 0	N P P N K	
34	CAN	CANOEAST	1	1	1	68.40 64.20 47.50 43.70 42.20	-85.00 -65.00 -52.70 -65.00 -83.10	0 0 0 0 0	C K K K K	
35	CAN	CANOCENT	1	1	1	71.20 68.40 42.20 48.40 49.00	-110.00 -85.00 -83.10 -89.20 -110.00	0 0 0 0 0	A C K K E	
36	CAN	CANOWEST	1	1	1	69.00 71.20 49.00 48.40 53.30 62.40	-141.00 -110.00 -110.00 -123.40 -132.10 -140.90	0 0 0 0 0 0	A A D D D A	



O R B (2)
BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 10

1	2	3	4	5	6	7	8	9	10	11
37	CBG	CBG01IFRB	1	1	1	10.50 13.00 14.33 14.67 12.50 11.00	103.50 102.50 103.25 107.45 107.50 105.80	0 0 0 0 0 0	P N N N N N	
38	CHL	CHL00000	1	1	1	-17.93 -18.38 -23.00 -27.17 -33.30 -38.72 -44.57 -52.35 -63.25 -70.00	-69.42 -70.33 -67.03 -109.43 -69.83 -70.92 -71.12 -68.43 -57.17 -75.00	4100 20 5760 50 6550 1758 950 10 20 100	C C C D E D D D A A	
39	CHN	CHN00001	1	1	1	48.42 53.53 49.17 39.08 21.10 21.55 21.45 24.47 27.35 42.57	135.03 123.62 86.88 73.63 101.75 108.08 109.20 115.80 120.95 130.53	50 1050 4500 3500 1250 46 11 10 84 415	K F E E N N N N N K	
40	CHN	CHN00002	1	1	1	27.35 24.47 21.45 21.33 19.13 16.00 6.83 3.33 11.83 23.63	120.95 115.80 109.20 108.08 108.38 109.42 108.42 112.00 118.83 122.87	84 597 11 46 45 35 25 25 15 25	N N N N N N P P N N	

IFRB CONFERENCE PREPARATION

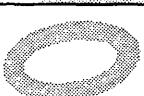
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O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 11

1	2	3	4	5	6	7	8	9	10	11
41	CLM	CLM00000	1	1	1	12.55 13.32 12.00 7.00 6.20 1.33 7 -4.00 8 -2.17 9 8.50	-81.72 -81.35 -71.17 -70.67 -67.50 -66.83 -70.00 -73.00 -78.50 -77.22	5 100 1 100 100 100 100 100 1 1	P N N P N P N P N N	
42	CLN	CLN00000	1	1	1	6.85 6.93 8.50	80.08 79.83 80.08	30 3 3	N N N	
43	CME	CME00000	1	1	1	12.67 10.00 1.50 2.17 4.01 7.18 4.07 5.50 3.53 4.80	14.50 15.30 16.00 9.70 9.21 13.35 9.15 10.09 11.31 8.15	20 330 464 0 20 1337 1000 1338 1000 400	K P P P P P P P P P	
44	COG	COGOIFRB	1	1	1	3.67 2.17 -3.67 -5.00 -3.50 0.50	18.50 13.20 11.00 12.00 16.25 18.00	0 0 0 0 0 0	P N N N N P	
45	COM	COM00IFRB	1	1	1	-12.17	44.10	0	N	
46	CPV	CPVOIFRB	1	1	1	16.00	24.10	0	E	



URGENCE CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 12

1	2	3	4	5	6	7	8	9	10	11
47	CTI	CTI00000	1	1	1	5.32 4.97 8.42 10.53 10.33 9.67 8.05 8.72 7.67 6.88	-4.02 -7.47 -8.15 -7.52 -5.67 -5.28 -2.78 -3.67 -5.03 -6.45	20 557 706 382 587 364 371 201 364 280	P N N N N P N P N P	
48	CTR	CTR00000	1	1	1	5.55 11.00 10.00 8.53 9.83	-87.05 -85.50 -83.00 -82.80 -84.10	200 600 100 500 1300	P P P P P	
49	CUB	CUB00000	1	1	1	21.50 20.25 19.72 19.65 21.30 21.83 22.88 23.37 23.42 22.68	-76.42 -74.05 -75.00 -77.72 -83.00 -85.07 -84.12 -82.33 -80.60 -78.17	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	
50	CVA	CVA00000	1	1	1	41.88	12.50	0	K	
51	CYP	CYP00000	1	1	1	35.10	33.20	300	K	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
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NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 13

1	2	3	4	5	6	7	8	9	10	11
52	D	D 00000	1	1	1	52.50 54.80 55.00 53.60 51.00 49.50 47.60 47.30 47.40 48.80	13.30 11.20 8.40 6.70 5.50 6.30 7.60 10.20 13.00 13.80	65 0 0 0 100 150 252 2649 2941 1378	E E E H K K K K K H	
53	DDR	DDR00000	1	1	1	54.57 53.95 52.83 50.63 50.22 50.18 49.37 50.82 53.27 52.42	13.43 10.92 10.78 9.88 10.72 12.30 14.32 14.77 14.43 13.53	46 23 80 550 310 759 150 400 20 40	E E H H H H H H E E	
54	DJI	DJIOIFRB	1	1	1	11.67	42.60	0	E	
55	DMA	DMA0IFRB	1	1	1	15.33	-61.30	0	N	
56	DNK	DNK00001	1	1	1	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E E	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 14

1	2	3	4	5	6	7	8	9	10	11
57	DNK	DNK0002	1	1	1	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E E	
58	DNK	DNKOOFAR	1	1	1	62.35 62.38 62.30 62.10 61.38	-6.25 -6.57 -7.22 -7.68 -6.67	0 0 0 0 0	G G G G G	
59	DNK	GRL00000	1	1	1	70.48 60.05 64.67 77.48	-21.85 -43.15 -51.58 -69.20	0 0 0 0	A G G A	
60	DOM	DOM0IFRB	1	1	1	18.67	-70.40	0	N	
61	E	CNR00000	1	1	1	29.22 28.72 28.22 28.03 27.72 28.58 27.98 28.77 27.63 27.72	-13.38 -14.02 -13.97 -14.32 -15.58 -16.13 -16.67 -17.98 -17.97 -18.08	50 60 120 40 50 380 70 150 50 50	E E E E E E E E E E	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 15

1	2	3	4	5	6	7	8	9	10	11
62	E	E 00002	1	1	1	36.00 36.72 42.32 39.78 43.38 43.78 42.92 41.88 39.67 37.18	-5.60 -2.17 3.33 4.32 -1.78 -7.67 -9.27 -8.85 -7.53 -7.37	50 30 70 100 50 50 30 60 150 60	K K K E H H K K	
63	EGY	EGY00000	1	1	1	31.33 29.50 23.17 21.67 22.00 32.00	34.20 34.80 36.00 34.00 25.00 25.40	0 0 0 0 0 0	E A A A A E	
64	EQA	EQA00000	1	1	1	1.40 0.43 -0.12 -0.95 -4.97 -4.47 -1.35 -1.00 -0.32 0.63	-78.87 -76.28 -75.28 -75.22 -79.03 -80.38 -90.43 -91.42 -91.67 -90.78	10 270 250 250 1300 280 40 60 20 20	P N N N N P N N N N	
65	ETH	ETH00000	1	1	1	18.00 17.05 8.00 4.43 3.38 4.92 8.00 10.98 11.78 12.73	38.57 37.05 33.02 36.00 39.88 44.97 48.00 42.92 41.72 43.12	100 500 200 400 800 100 700 500 800 100	C C E K J J E E E E	
66	E_F	AND00000	1	1	1	42.52	1.53	1100	K	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 16

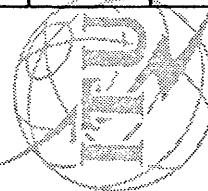
1	2	3	4	5	6	7	8	9	10	11
67	F	ADL00000	1	1	1	-66.67	140.02	0	A	
68	F	F 00000	1	1	1	51.00 50.13 48.97 46.38 43.80 43.00 42.37 42.43 43.33 48.50	2.00 4.83 8.25 6.82 7.60 9.42 9.17 3.18 -1.78 -5.10	0 200 250 400 0 0 0 0 0 0	E H K L L L E E E	
69	F	GDL00000	1	1	1	18.08 17.88 16.33 16.00 14.58	-63.08 -62.83 -61.00 -61.72 -61.08	0 0 0 0 0	N N N N N	
70	F	GDL00002	1	1	1	18.08 17.88 16.33 16.00 14.58	-63.08 -62.83 -61.00 -61.72 -61.08	0 0 0 0 0	N N N N N	
71	F	GUF00000	1	1	1	5.73 3.45 2.87 4.42	-54.00 -54.00 -52.43 -51.90	100 100 0	P P P P	
72	F	GUF00002	1	1	1	5.73 3.45 2.87 4.42	-54.00 -54.00 -52.43 -51.90	0 100 0	P P P	
73	F	KER00000	1	1	1	-37.78 -49.83 -49.35 -46.43	77.57 68.85 70.23 51.87	0 0 0 0	F A A D	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 17

1	2	3	4	5	6	7	8	9	10	11
74	F	MYT00000	1	1	1 2 3	-12.78 -12.78 -12.90	45.12 45.25 45.20	0 0 0	N N N	
75	F	NCL00000	1	1	1 2 3 4	-20.20 -22.70 -21.57 -20.45	164.05 167.47 167.88 166.60	0 0 0 0	N N N N	
76	F	OCE00000	1	1	1 2 3	-8.92 -23.17 -16.50	-140.07 -135.00 -151.75	0 0 0	N D D	
77	F	REU00000	1	1	1 2 3 4	-20.87 -21.03 -21.37 -21.12	55.40 55.00 55.75 56.08	0 0 0 0	N N N N	
78	F	REU00002	1	1	1 2 3 4	-20.87 -21.03 -21.37 -21.12	55.40 55.00 55.75 56.08	0 0 0 0	N N N N	
79	F	SPM00000	1	1	1 2 3	47.10 46.82 46.78	-56.38 -56.42 -56.18	0 0 0	K K K	
80	F	WAL00000	1	1	1 2 3 4	-13.22 -13.27 -14.25 -14.38	-176.17 -176.12 -178.20 -178.03	0 0 0 0	N N N N	
81	FJI	FJ10IFRB	1	1	1	-17.17	178.50	0	N	



O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 18

1	2	3	4	5	6	7	8	9	10	11
82	FNL	FNL00000	1	1	1 2 3 4 5 6 7 8 9 10	70.08 69.33 69.05 60.00 59.47 59.62 60.23 62.90 67.67 69.47	27.92 21.25 20.67 19.25 20.28 22.62 27.47 31.60 30.00 29.33	50 800 500 0 0 0 0 200 300 200	E E E E E E E E E	
83	G	ASCSTHTC	1	1	1 2 3	-7.95 -15.97 -37.25	-14.37 -5.72 -12.50	750 750 750	J C D	
84	G	BERCAYMS	1	1	1 2 3 4 5	32.50 19.33 16.75 18.38 18.17	-65.00 -81.25 -62.23 -64.33 -62.92	50 100 100 100 100	N N N N N	
85	G	CYPSSBA00	1	1	1	34.58	32.95	50	K	
86	G	FLKSTGGL	1	1	1 2 3 4 5 6 7	-51.70 -60.72 -54.28 -59.50 -76.00 -71.50 -62.98	-57.80 -45.60 -36.50 -27.00 -26.00 -69.00 -60.57	350 10 350 1000 30 92 50	D D A A A A A	
87	G	G 00000	1	1	1 2 3 4 5 6 7 8 9 10	60.83 57.82 55.08 54.47 54.13 49.87 49.17 50.68 51.17 52.62	-0.90 -8.57 -7.25 -8.17 -6.32 -6.45 -2.03 -1.07 1.38 1.73	0 0 0 0 0 0 0 0 0 0	G G G G G G G G G G	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 19

1	2	3	4	5	6	7	8	9	10	11
88	G	G 00002	1	1	1	51.50	0.00	0	E	
89	G	G 00003	1	1	1	51.50	0.00	0	E	
90	G	GIB00000	1	1	1	36.15	-5.35	330	K	
91	G	HKG00000	1	1	1	22.42	114.50	250	N	
92	G	PTC00000	1	1	1	-25.07	-130.10	0	A	
93	GAB	GAB0IFRB	1	1	1	1.00 2.17 1.00 -2.33 -4.00 -0.67	9.50 13.25 12.25 14.00 11.00 8.75	0 520 480 580 0 0	P P P N N N	
94	GHA	GHA00000	1	1	1	11.17 8.28 6.12 4.73 5.12 6.62 8.12 10.63 11.00	-0.38 0.73 1.20 -2.10 -3.12 -3.27 -2.63 -2.93 -2.83	183 549 3 16 0 137 275 229 229	P P P P P P P P P	
95	GMB	GMB00000	1	1	1	13.40	-16.40	20	K	
96	GNB	GNB0IFRB	1	1	1	12.00	-15.40	0	K	
97	GNE	GNE0IFRB	1	1	1	1.67	10.50	0	P	



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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 20

1	2	3	4	5	6	7	8	9	10	11
98	GRC	GRC00000	1	1	1	39.88 37.75 34.80 36.13 36.45 41.33 41.72 41.67 41.33 40.85	19.37 20.50 24.12 29.62 28.22 26.63 26.35 24.25 22.93 21.98	0 0 0 0 0 50 100 1500 1800 850	L L K K K L L L L	
99	GRD	GRD0IFRB	1	1	1	12.00	-61.60	0	N	
100	GTM	GTM00000	1	1	1	17.67 17.67 17.17 16.00 15.17 14.50 13.83 13.67 14.50 15.67	-89.15 -90.98 -91.43 -91.72 -92.20 -92.23 -91.07 -90.12 -89.15 -88.62	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	
101	GUI	GU00000	1	1	1	11.00 12.67 12.50 10.17 7.17	-15.00 -13.50 -9.00 -8.00 -9.00	0 0 0 0 0	N K K N P	
102	GUY	GUY00000	1	1	1	8.25 6.00 3.33 1.25 3.33 5.92	-59.72 -57.13 -57.32 -58.83 -59.75 -61.25	0 0 0 0 0 0	P P P P P P	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 21

1	2	3	4	5	6	7	8	9	10	11
103	HND	HND00000	1	1	1	17.45 15.50 15.00 13.75 12.92 14.43 15.08 16.22	-83.50 -83.00 -83.17 -85.77 -87.47 -89.33 -89.17 -88.33	40 40 0 800 0 2419 1200 10	P P P P P P P P	
104	HNG	HNG00000	1	1	1	48.00 48.60 48.10 46.80 45.70 46.20	22.90 20.80 17.40 16.10 18.10 21.00	100 400 100 320 105 100	K K K K K K	
105	HOL	ABW00000	1	1	1	12.33 12.67 12.00 12.50 11.67 12.83 12.10 12.48 12.17	-70.17 -69.00 -67.92 -68.00 -69.00 -70.17 -68.28 -69.97 -68.98	0 0 0 0 0 0 1 1 1	N N N N N N N N N	
106	HOL	ATN00000	1	1	1	18.05 17.62 17.42 17.48 17.58 12.00 12.50 12.10 12.17 12.67	-63.00 -63.33 -63.25 -62.97 -62.75 -67.92 -68.00 -68.28 -68.98 -69.00	0 0 0 5 0 0 0 1 1 0	N N N N N N N N N N	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 22

1	2	3	4	5	6	7	8	9	10	11
107	HOL	HOL00000	1	1	1	51.50 51.25 51.67 51.25 51.25 51.50 52.42 53.42 53.92 53.67	3.42 3.67 5.00 6.00 6.17 6.33 7.17 7.42 7.17 5.25	35 35 35 145 145 145 35 35 35 35	E E E E E E E E E E	
108	HTI	HTIOIFRB	1	1	1	18.83	-73.00	0	N	
109	I	I 00000	1	1	1	45.08 45.83 46.43 46.98 47.10 46.53 40.00 36.65 35.43 39.08	6.60 6.80 8.33 11.20 12.20 13.72 18.63 15.15 12.60 8.23	3070 4051 3067 2900 2911 1508 0 0 0 0	L L L K K K K K K K	
110	IND	IND00000	1	1	1	27.15 29.37 35.53 37.05 36.00 28.00 26.70 23.78 6.35 8.40	97.12 96.17 80.17 75.47 72.55 70.40 69.52 68.20 94.20 73.00	4000 5000 5000 5000 5000 200 500 200 200 200	N K K E E K K N P N	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 23

1	2	3	4	5	6	7	8	9	10	11
111	INS	INS00000	1	1	1	3.83 7.83 1.33 7.33 4.17 6.67 1.00 -9.33 -14.00 -8.00	92.17 95.50 104.00 109.00 118.00 129.92 140.83 141.00 120.00 100.00	0 0 10 0 510 0 0 9 0 0	P P P P P P P P P P	
112	IRL	IRL00000	1	1	1	55.40 53.30 54.30 51.30 52.20 54.30 53.10 51.80	-7.30 -6.00 -10.30 -9.80 -6.20 -5.50 -9.70 -8.10	40 0 40 0 0 0 0 0	H H H H H H H H	
113	IRN	IRN00000	1	1	1	30.50 36.65 25.28 39.23 39.72 38.28 31.03 26.90 25.85 33.97	48.07 61.10 61.50 44.60 47.98 56.75 61.83 63.25 55.05 45.40	25 280 10 850 40 900 485 1040 10 120	E E C K K C E E E K	
114	IRQ	IRQ00000	1	1	1	33.33 32.75 36.80 37.17 35.80 33.08 31.80 29.92 29.23 31.23	44.40 38.93 42.08 44.77 46.33 46.00 47.87 48.63 44.55 41.83	33 625 545 1000 1000 100 100 2 200 200	E K K K K E E E E	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
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PAG. 24

1	2	3	4	5	6	7	8	9	10	11
115	ISL	ISL00000	1	1	1	64.15 65.05 66.05 65.65 65.70 66.25 65.25 64.25 63.40 64.85	-21.80 -22.40 -23.50 -20.30 -18.10 -15.30 -14.40 -15.20 -19.05 -19.55	30 30 30 20 30 30 30 30 20 600	G G G E E E G G E G	
116	ISR	ISR00000	1	1	1	29.50 31.20 33.20 32.40 31.30	34.80 34.30 35.20 35.50 35.30	0 100 0 -125 -400	D G L K G	
117	J	J 00000	1	1	1	45.53 37.25 34.70 25.77 24.43 20.42 24.78 24.28	141.95 131.87 129.30 123.52 122.93 136.07 141.33 153.98	5 5 5 5 5 5 5 5	K M N N N D	
118	JMC	JMC00000	1	1	1	17.87 18.50	-77.35 -77.83	0	N	
119	JOR	JOR00000	1	1	1	32.00 29.50 32.60 32.00 32.50 30.50	35.83 35.08 36.00 35.00 39.00 38.00	0 0 0 0 0 0	E E E E E C	

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NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 25

1	2	3	4	5	6	7	8	9	10	11
120	KEN	KEN00000	1	1	1	3.83 -1.50 -4.67 -1.00 4.17 4.50	41.90 41.60 39.20 33.90 34.00 36.40	0 0 0 0 0 0	J J J K K J	
121	KIR	KIROIFRB	1	1	1	1.00	173.00	0	N	
122	KOR	KOR00000	1	1	1	33.16 37.33 34.08 35.08 36.43 36.12 37.52 37.97 38.30 38.50	126.27 131.87 125.12 129.12 127.85 127.48 126.92 124.72 127.23 128.42	34 20 40 20 180 156 40 20 250 10	M K K K K K K K K K	
123	KRE	KRE00000	1	1	1	38.01 37.77 38.63 42.28 43.00 41.80 39.80 38.50 38.92 40.20	124.67 126.58 128.37 130.68 129.97 126.93 124.18 123.50 125.83 132.50	90 30 29 13 74 335 70 15 36 10	K K K K K K M M K M	
124	KWT	KWT00000	1	1	1	30.08 29.45 29.33 28.53 29.12 29.68 29.37 29.33 29.33 28.73	47.70 48.27 47.67 48.40 46.67 47.68 47.97 48.02 48.08 48.38	20 5 24 10 285 80 10 22 15 3	E E E E E E E E E E	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 26

1	2	3	4	5	6	7	8	9	10	11
125	LAO	LAOOIFRB	1	1	1	20.50 22.50 20.00 17.50 14.00 14.67	100.50 102.00 104.50 101.00 105.83 107.50	0 0 0 0 0 0	N N N N N N	
126	LBN	LBN00000	1	1	1	33.83	35.80	0	E	
127	LBR	LBR00000	1	1	1	8.50 7.50 5.67 4.50 5.00 6.83	-10.20 -8.60 -7.40 -7.60 -9.05 -11.50	0 0 0 0 0 0	N P P N N N	
128	LBY	LBY00000	1	1	1	31.80 26.43 18.78 21.72 22.70 24.90 30.33 33.05 32.40 32.60	25.00 24.87 23.95 17.38 12.53 10.08 9.92 11.50 15.08 21.73	168 257 834 1093 905 701 370 23 60 832	K E E E E E E K K K	
129	LIE	LIE00000	1	1	1	47.20	9.50	400	H	
130	LSO	LSOOIFRB	1	1	1	-29.50	28.40	0	E	
131	LUX	LUX00000	1	1	1	49.45 49.85 50.18 49.90 49.53 49.45	6.37 6.52 6.02 5.73 5.80 6.02	145 160 536 425 270 420	E E E E E E	
132	MAU	MAU0IFRB	1	1	1	-20.17	57.50	0	N	
133	MCO	MCO00000	1	1	1	43.67	7.40	0	L	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
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PAG. 27

1	2	3	4	5	6	7	8	9	10	11
134	MDG	MDG0IFRB	1	1	1	-12.17 -18.00 -17.00 -25.00 -25.67 -23.17	69.00 69.20 44.00 47.00 45.00 43.40	0 0 0 0 0 0	P P P P P P	
135	MEX	MEX00000	1	1	1	32.67 24.15 18.72 18.83 14.72 21.60 19.20 25.87 29.32 31.73	-115.45 -110.33 -110.95 -99.92 -95.42 -87.10 -96.13 -97.33 -100.92 -106.48	2 10 20 82 2 157 14 12 200 1144	E E N N N N N M M E	
136	MLA	MLA00000	1	1	1	3.00 5.40 3.70 1.55 1.60 1.75 7.00 4.30 6.50 5.60	101.50 100.20 103.50 103.75 110.30 113.50 117.00 117.90 100.25 119.38	200 100 100 100 100 100 50 50 50 50	P P P P P P P P P P	
137	MLD	MLD0IFRB	1	1	1	8.50 -3.50	73.00 73.00	0 0	N N	
138	MLI	MLI0IFRB	1	1	1	25.00 20.00 16.00 15.00 13.67 11.00	-4.70 2.80 4.20 -12.00 -12.00 -8.30	0 0 0 0 0 0	A C E K K N	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 28

1	2	3	4	5	6	7	8	9	10	11
139	MLT	MLT00000	1	1	1	36.05 36.43 35.92 35.82 35.82 35.88	14.25 14.95 14.50 14.40 14.47 14.33	100 10 20 300 200 200	K K K K K K	
140	MNG	MNG00000	1	1	1	51.90 47.33 43.20 42.30 43.20 48.90	98.80 118.90 110.00 103.40 95.00 87.90	0 0 0 0 0 0	E F K C C E	
141	MOZ	MOZOIFRB	1	1	1	-10.67 -16.00 -26.67 -15.00 -11.67	40.30 40.00 32.50 30.30 35.00	0 0 0 0 0	N N K J J	
142	MRC	MRC00000	1	1	1	35.78 35.03 32.13 29.83 30.43 27.17 23.70 23.50 26.35 20.78	-5.90 -2.03 -1.30 -5.73 -9.63 -13.18 -15.93 -12.80 -9.57 -17.00	479 641 1588 1804 561 500 20 63 81 0	K K E E E E E E E E	
143	MTN	MTN0IFRB	1	1	1	15.50 14.67 16.00 27.17 25.00 21.17 26.00	-5.50 -12.00 -16.30 -8.40 -4.50 -16.80 -12.00	0 0 0 0 0 0 0	E K C A E C	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 29

1	2	3	4	5	6	7	8	9	10	11
144	MWI	MW10IFRB	1	1	1	-9.50 -9.50 -11.67 -14.67 -17.17 -13.50	33.20 34.00 35.00 35.80 35.20 32.80	0 0 0 0 0 0	J J J J J J	
145	NCG	NCG0IFRB	1	1	1	13.00 13.67 14.83 15.00 10.83 11.00	-87.58 -86.75 -84.83 -83.30 -83.67 -85.82	0 0 0 0 0 0	P P P P P P	
146	NGR	NGR0IFRB	1	1	1	15.00 19.00 23.50 20.00 13.50 11.67	0.00 4.20 12.00 15.60 13.00 3.50	0 0 0 0 0 0	E C A C E K	
147	NIG	NIG00000	1	1	1	14.00 13.83 12.00 12.00 4.67 6.67 7 8 9 10	5.00 13.23 14.50 8.50 2.75 11.38 8.00 12.92 3.28 5.43	0 0 0 0 0 0 0 0 0 0	K E K P N P P P N N	
148	NMB	NMBOIFRB	1	1	1	-17.67 -29.00 -27.00 -17.00 -22.00	25.00 19.00 15.00 12.00 21.00	0 0 0 0 0	E C C E C	



O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 30

1	2	3	4	5	6	7	8	9	10	11
149	NOR	NOR00000	1	1	1	58.92 57.90 58.17 61.68 67.45 78.00 70.40 69.05 67.07 61.37	0.50 7.60 5.17 4.40 11.63 16.00 31.37 29.08 16.33 12.83	200 0 0 30 0 0 50 0 0 0	G G J G A C C G G	
150	NPL	NPLOIFRB	1	1	1	28.67 30.00 27.83 26.50 27.50	80.20 82.00 88.00 88.00 83.00	0 0 0 0 0	K K K K K	
151	NRU	NRU0IFRB	1	1	1	-0.50	166.90	0	N	
152	NZL	NZL00001	1	1	1	-34.42 -37.68 -40.90 -43.83 -47.42 -45.90 -42.42 -40.50 -39.28 -77.85	172.68 178.55 176.23 176.42 167.42 166.43 171.17 172.67 173.75 166.77	30 90 30 20 0 60 5 0 10 30	K K K K K K K K K A	
153	NZL	NZL00002	1	1	1	-8.98 -13.28 -21.20 -19.87 -18.05 -19.05 -8.53 -9.20 -9.38 -13.50	-158.07 -163.18 -159.78 -157.68 -163.20 -169.92 -172.52 -171.85 -171.25 -172.80	0 0 0 0 0 60 0 0 0 0	N N D D D N N N N N	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 31

1	2	3	4	5	6	7	8	9	10	11
154	NZL	SM000000	1	1	1	-13.47 -13.43 -13.82 -14.00 -14.01 -13.75	-172.86 -172.25 -171.72 -171.38 -171.72 -172.50	0 0 0 0 0 0	NNNNN	
155	OMA	OMA000000	1	1	1	16.67 18.50 19.00 19.00 20.00 22.50 22.75 25.00 26.67	53.08 51.88 52.00 58.00 55.00 60.00 55.17 55.75 56.75	75 600 150 0 100 0 100 300 0	CCCCC	
156	PAK	PAK000000	1	1	1	35.50 25.17 29.50 24.17 24.00 37.17 35.60 32.70 36.20 30.20	77.50 61.80 61.30 71.00 68.10 75.10 79.80 79.10 71.20 73.80	0 0 0 0 0 0 0 0 0 0	EKKMM	
157	PHL	PHLOIFRB	1	1	1	21.00 5.00 6.00 11.00 7.50 15.00	122.00 120.00 126.00 126.00 117.00 125.00	0 0 0 0 0 0	NNPNP	
158	PNG	PNG000000	1	1	1	-1.00 -7.00 -12.00 -9.17 -2.50	150.00 157.00 154.00 141.00 141.00	0 0 0 0 0	PPPBP	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 32

1	2	3	4	5	6	7	8	9	10	11
159	PNR	PNROIFRB	1	1	1	9.50 9.50 7.17 7.00 8.17	-82.83 -77.60 -77.88 -81.88 -83.00	0 0 0 0 0	PPPPN	
160	POL	POL000000	1	1	1	53.92 52.83 50.88 50.12 49.27 49.05 50.50 52.73 54.25 54.83	14.23 14.05 14.83 16.68 19.92 22.83 24.05 23.93 23.32 18.33	25 75 150 500 2000 800 200 200 200 50	EEHHH	
161	POR	AZR000000	1	1	1	37.78 38.75 39.42	-25.67 -27.08 -31.17	200 60 900	KKK	
162	POR	MAC000000	1	1	1	22.17	113.57	0	N	
163	POR	MDR000000	1	1	1	32.65 30.03 33.12	-16.93 -16.05 -16.28	210 50 100	HHH	
164	POR	POR000000	1	1	1	41.87 41.82 37.20 37.02 38.87 41.15 37.02	-8.85 -6.75 -7.42 -7.93 -9.27 -8.58 -8.93	30 690 20 20 180 200 20	HHKKK	
165	PRG	PRG000000	1	1	1	-22.33 -19.65 -19.33 -23.83 -26.83 -27.17	-62.75 -62.00 -58.72 -54.45 -55.00 -58.30	0 0 0 0 0 0	NPPPP	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 33

1	2	3	4	5	6	7	8	9	10	11
166	PRU	PRU00000	1	1	1	-18.35 -12.30 -9.43 -7.58 -2.75 -0.03 -3.40 -4.43 -6.08 -13.45	-70.38 -69.00 -70.48 -73.98 -70.05 -75.22 -80.32 -81.33 -81.17 -76.12	200 365 365 365 365 365 15 15 15 15	E N N N N N P P P N	
167	QAT	QAT00000	1	1	1	26.20 24.80 24.70 25.30 26.20 24.50 25.70	51.10 52.30 50.80 50.70 52.30 51.50 52.40	0 0 0 0 0 0 0	C C C C C C C	
168	ROU	ROU00000	1	1	1	48.25 47.67 46.00 43.83 43.50 44.00 46.00 47.67 48.17 48.25	26.67 29.00 30.75 28.58 25.00 21.00 19.33 21.00 23.00 25.00	200 100 0 0 200 700 100 150 200 200	K K K K K K K K K K	
169	RRW	RRWOIFRB	1	1	1	-2.00	30.00	0	K	



O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 34

1	2	3	4	5	6	7	8	9	10	11
170	S	S 00000	1	1	1	55.37 55.38 57.43 59.62 65.67 68.30 69.05 66.13 63.27 58.88	12.80 14.20 19.00 19.63 24.13 23.08 20.07 14.52 11.97 10.97	3 3 0 0 0 300 300 1100 1100 0	E E C C C G	
171	SCN	SCNOIFRB	1	1	1	17.33	-62.90	0	N	
172	SDN	SDN00001	1	1	1	15.70 12.00 4.67 3.67 4.20 8.67 13.00	32.50 35.00 36.00 33.00 28.20 23.50 22.00	300 1200 500 1500 1000 1500 1500	E E J K N K	
173	SDN	SDN00002	1	1	1	15.70 12.00 13.00 18.00 23.00 22.00	32.50 35.00 22.00 38.50 35.50 25.00	300 1200 1500 0 0 0	E E K C A A	
174	SEN	SEN00000	1	1	1	12.30 14.00 16.15 16.30 16.00 14.50 13.00 12.15 12.30 12.20	-11.30 -12.30 -13.30 -15.00 -16.30 -16.60 -16.40 -16.30 -14.30 -13.00	125 174 12 5 16 105 25 13 52 100	K K K K N K K K K N	
175	SEY	SEYOIFRB	1	1	1	-4.50	55.40	0	N	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 35

1	2	3	4	5	6	7	8	9	10	11
176	SLM	SLM0IFRB	1	1	1 2 3 4	-11.00 -8.00 -6.50 -7.50	162.50 160.80 156.20 155.50	0 0 0 0	P P P P	
177	SLV	SLV0IFRB	1	1	1	13.67	-89.00	0	P	
178	SMR	SMR00000	1	1	1 2 3 4 5 6 7	43.91 43.91 43.97 43.95 43.92 43.88 43.98	12.45 12.52 12.45 12.40 12.40 12.45 12.52	750 300 100 40 40 400 0	K K K K K K K	
179	SNG	SNG00000	1	1	1	1.28	103.85	3	P	
180	SOM	SOM0IFRB	1	1	1 2 3 4 5 6	11.17 12.00 8.00 3.00 -2.00 3.00	43.20 51.00 50.00 47.00 41.50 41.00	0 0 0 0 0 0	E E E E E E	
181	SRL	SRL0IFRB	1	1	1	8.50	-11.90	0	N	
182	STP	STP0IFRB	1	1	1	1.00	7.00	0	N	
183	SUI	SUI00000	1	1	1 2 3 4 5 6	46.10 47.30 47.80 46.90 45.70 45.90	6.00 6.90 8.50 10.40 9.00 7.10	400 400 400 400 400 400	H H H H H H	
184	SUR	SUR0IFRB	1	1	1 2 3 4 5 6	5.83 5.67 3.67 2.17 1.67 4.00	-56.92 -53.95 -53.95 -54.33 -56.00 -58.12	0 0 0 0 0 0	P P P P P P	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 36

1	2	3	4	5	6	7	8	9	10	11
185	SWZ	SWZ00000	1	1	1 2 3	-26.87 -26.67 -25.83	31.18 31.25 31.40	375 375 375	K K K	
186	SYR	SYR00000	1	1	1 2 3 4 5 6 7 8	37.25 34.75 36.35 32.65 33.60 33.50 35.70 34.90	42.25 41.25 38.30 35.70 36.00 40.10 35.50 36.80	400 200 600 40 1000 600 30 10	E E K K E E E E	
187	TCD	TCD0IFRB	1	1	1 2 3 4 5 6	14.50 23.50 19.50 7.50 11.00 21.50	13.50 16.00 24.00 15.50 22.80 20.00	0 0 0 0 0 0	E A C N K A	
188	TCH	TCH00000	1	1	1 2 3 4 5 6 7 8 9 10	50.32 51.05 51.03 50.32 49.28 49.07 48.37 47.73 48.77 49.37	12.12 14.32 15.17 17.72 22.00 22.57 22.13 17.73 13.82 12.67	573 512 405 240 690 1214 103 112 1320 500	H H H H K K K K H H	
189	TGO	TGO00000	1	1	1 2 3 4 5 6	6.00 6.83 11.00 11.00 9.17 6.17	1.20 0.50 -0.20 0.70 1.70 1.90	0 0 0 0 0 0	P P K K N N	

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O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 37

1	2	3	4	5	6	7	8	9	10	11
190	THA	THA00000	1	1	1 2 3 4 5 6	20.50 18.50 7.40 5.50 14.30 18.60	99.50 97.30 97.80 101.60 105.40 103.70	0 0 0 0 0 0	N P P P N N	
191	TON	TON0IFRB	1	1	1	-21.17	-175.17	0	N	
192	TRD	TRD00000	1	1	1 2 3 4 5 6	10.68 10.67 10.65 10.73 10.35 11.18	-61.03 -61.50 -61.52 -61.57 -61.13 -60.73	40 354 3 241 10 38	N N N N N N	
193	TUN	TUN00000	1	1	1 2 3 4 5 6 7 8 9 10	37.35 37.15 34.00 34.30 33.15 29.50 32.30 36.50 36.87 36.90	8.50 11.15 7.30 12.30 11.35 9.32 8.10 8.30 9.70 10.53	0 0 0 0 0 0 0 0 0 0	K K K K K K K K K K	
194	TUR	TUR00000	1	1	1 2 3 4 5 6 7 8 9 10	39.67 37.28 41.50 37.92 27.37 35.93 41.45 41.08 41.77 40.13	44.80 44.78 41.57 40.22 36.68 36.12 31.80 29.03 26.37 25.68	700 2500 50 10 10 50 10 50 150 500	K K K K L K K K L L	
195	TUV	TUV00000	1	1	1 2	-8.60 -8.40	179.07 179.25	0 0	N N	

○ R B (2)

**BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION**

PAG. 38

B3 CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 39

1	2	3	4	5	6	7	8	9	10	11
200	URS	URS00001	1	1	1	69.60	30.50	200	E	
					2	54.80	19.60	0	H	
					3	48.50	22.00	200	K	
					4	45.20	29.60	0	E	
					5	38.40	48.90	100		
					6	35.00	62.00	500		
					7	37.00	75.00	3000		
					8	56.00	92.50	500		
					9	72.00	79.00	100		
					10	70.00	60.00	100	A	



O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 40

1	2	3	4	5	6	7	8	9	10	11
203	USA	ALS00000	1	1	1	71.50	-156.08	0	A	
					2	69.00	-166.50	0		
					3	66.00	-169.00	0		
					4	63.83	-172.00	0	C	
					5	54.00	-172.00	0		
					6	51.50	-176.00	0	D	
					7	54.50	-130.00	0		
					8	69.83	-141.00	0	D	
					9	70.75	-149.00	0	A	
					10	60.00	-133.83	0	C	
204	USA	CAR00000	1	1	1	8.00	132.00	0	P	
					2	5.00	130.50	0		
					3	2.50	130.50	0		
					4	0.00	141.00	0	P	
					5	0.00	155.00	0	P	
					6	0.00	168.50	0	N	
					7	5.00	170.00	0	P	
					8	11.50	168.00	0	N	
					9	3.00	155.00	0	P	
					10	3.00	140.00	0		
205	USA	GUMMRA00	1	1	1	21.50	145.00	0	N	
					2	20.00	143.00	0		
					3	17.50	142.00	0	N	
					4	15.00	143.00	0	N	
					5	13.50	144.00	0	N	
					6	12.00	146.00	0	N	
					7	12.00	147.00	0	N	
					8	15.00	148.00	0	N	
					9	17.50	149.00	0	N	
					10	20.00	148.00	0	N	
206	USA	HWA00000	1	1	1	22.00	-160.50	0	P	
					2	22.25	-159.50	0		
					3	21.83	-158.00	0	P	
					4	21.00	-156.42	0	P	
					5	19.50	-154.75	0	P	
					6	18.50	-155.75	0	P	
					7	21.25	-158.00	0	P	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 41

1	2	3	4	5	6	7	8	9	10	11
207	USA	HWL00000	1	1	1	0.08	-176.58	0	N	
208	USA	JAR00000	1	1	1	-0.38	-160.00	0	N	
209	USA	JON00000	1	1	1	17.00	-168.50	0	D	
210	USA	MDW00000	1	1	1	28.22	-177.42	0	D	
211	USA	MRL00000	1	1	1	15.00	175.00	0	D	
					2	14.00	172.00			
					3	11.50	171.00	0	NN	
					4	9.00	172.92	0	NN	
					5	5.50	172.00	0	PP	
					6	3.00	175.33	0	PP	
					7	2.75	177.00	0	PP	
					8	4.00	178.50	0	PP	
					9	8.00	179.50	0	PP	
					10	12.00	178.00	0	N	
212	USA	PLM00000	1	1	1	7.00	-161.42	0	N	
213	USA	SMA00000	1	1	1	-14.22	-170.70	0	D	
214	USA	USA00000	1	1	1	47.00	-123.00	0	D	
					2	48.42	-124.75			
					3	40.50	-124.33	0	DD	
					4	34.50	-120.00	0	EE	
					5	32.83	-117.33	0	EE	
					6	25.00	-97.33	0	MM	
					7	25.03	-79.63	0	KK	
					8	44.83	-67.00	0	KK	
					9	47.33	-68.33	0	KK	
					10	49.42	-95.25	0	K	
215	USA	USAVIPRT	1	1	1	17.75	-64.50	0	N	
216	USA	WAK00000	1	1	1	19.20	166.50	0	D	
217	VCT	VCT0IFRB	1	1	1	13.17	-63.10	0	N	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 42

1	2	3	4	5	6	7	8	9	10	11
218	VEN	VEN00001	1	1	1	12.45	-70.90	0	N	
					2	10.43	-72.87	2000	NN	
					3	7.43	-72.37	2000	NN	
					4	5.47	-67.70	100	NN	
					5	2.83	-67.88	100	PP	
					6	0.67	-65.32	500	PP	
					7	3.67	-62.67	500	PP	
					8	4.92	-60.67	100	PP	
					9	8.13	-59.83	0	PN	
					10	10.70	-61.92	200	N	
219	VEN	VEN00002	1	1	1	15.67	-63.62	0	N	
220	VTN	VTN00000	1	1	1	22.40	102.15	1700	NN	
					2	23.20	105.30	2000	NN	
					3	21.50	108.00	0	NN	
					4	16.55	112.00	0	NN	
					5	10.87	117.33	0	PP	
					6	8.67	111.92	0	PP	
					7	6.28	113.70	5	PP	
					8	9.25	103.45	5	PP	
					9	15.38	109.15	5	NN	
					10	19.40	104.00	100	N	
221	VUT	VUTOIFRB	1	1	1	-14.67	166.50	0	P	
					2	-20.00	169.80	0	PP	
					3	-18.00	167.50	0	PP	
					4	-15.50	168.00	0	PP	
222	YEM	YEM0IFRB	1	1	1	15.17	42.60	0	E	
					2	16.50	42.60	0	CC	
					3	17.40	44.00	0	CC	
					4	12.67	43.50	0	CC	
					5	16.83	46.20	0	CC	
					6	15.50	46.20	0	CC	

TREBLE CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 43

1	2	3	4	5	6	7	8	9	10	11
223	YMS	YMS00000	1	1	1	12.75 12.67 13.12 13.67 14.83 17.50 18.00 17.00 12.50 12.58	45.00 43.47 43.82 44.53 45.52 48.50 51.50 52.37 53.80 54.50	250 70 864 1400 1196 1000 600 1000 1000 500	E E E E E C C C E	
224	YUG	YUG00000	1	1	1	46.40 40.60 46.30 42.90 44.50 43.10	13.40 21.00 20.10 16.10 22.70 23.00	640 900 60 0 60 1300	K L K K K K	
225	ZAI	ZAIOIFRB	1	1	1	5.00 2.17 -5.50 -11.00 -13.50 -8.17 3.67 4.60	19.50 31.50 12.00 22.10 29.80 30.70 30.83 29.60	0 0 0 0 0 0 0 0	P K K K J J K	
226	ZMB	ZMBOIFRB	1	1	1	-8.50 -9.50 -13.67 -17.50 -16.50 -13.00 -16.00	28.70 33.00 33.00 25.50 22.00 22.00 22.00	1290 1290 1290 1290 1290 1290 1290	K J J J E J J	



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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 44

1	2	3	4	5	6	7	8	9	10	11
227	ZWE	ZWE00000	1	1	1	-17.78 -17.92 -16.53 -15.63 -16.72 -19.78 -21.37 -22.40 -22.20 -19.48	25.28 27.00 28.07 30.42 32.98 32.65 32.50 31.32 29.38 26.12	0 0 0 0 0 0 0 0 0 0	J J J J J J J J J J	

CONFERENCE PREPARATION

CONF.

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 230(Rev.1)-E

12 September 1988

Original: English

WORKING GROUP 4-B

Note by the Secretary-General

IFRB REPORT

ALLOTMENT PLANNING REQUIREMENTS USED FOR THE PREPARATION OF THE FIRST DRAFT PLAN

At the request of the Chairman of Working Group 4-B, I have the honour to transmit to the Conference a copy of the Allotment Planning requirements used for the preparation of the first draft Plan.

R.E. BUTLER

Secretary-General

Attachment

IFRB REPORT

ALLOTMENT PLANNING REQUIREMENTS USED FOR
THE PREPARATION OF THE FIRST DRAFT PLAN

Explanation of columns

<u>Column</u>	<u>Description</u>
1	Requirement number
2	Administration
3	Beam name
4	Use of 6/4 GHz (0 - no, 1 - yes)
5	Use of 14/11 - 12 GHz (0 - no, 1 - yes)
6	Test point number
7	Test point latitude (degrees North)
8	Test point longitude (degrees East)
9	Height above mean sea-level (metres)
10	Rain-climatic zone
11	Remarks (see pages 4 and 5 for explanations)

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
1	AFG	AFG00000	1	1	1	37.33	74.80	0	C E C C C	
					2	31.67	65.67	0		
					3	35.50	61.33	0		
					4	34.42	70.42	0		
					5	35.92	64.75	0		
					6	29.83	61.00	0		
					7	33.33	70.00	0		
					8	34.87	71.13	0		
					9	29.97	66.33	0		
					10	37.17	70.55	0	E E E	
2	AFS	AFS00000	1	1	1	-33.92	18.42	50	D E E	
					2	-28.62	16.48	94		
					3	-22.92	16.50	50		
					4	-26.73	20.62	888		
					5	-24.80	26.05	1200		
					6	-22.35	30.05	634		
					7	-25.45	30.97	312	K K	
					8	-28.90	31.47	50		
					9	-29.85	31.00	50	D D	
					10	-46.58	30.93	50	D	
3	AGL	AGLOIFRB	1	1	1	-17.50	12.00	0	E K K	
					2	-6.50	12.50	0		
					3	-11.00	24.00	0		
					4	-17.50	23.00	0		
					5	-7.00	20.00	0	K	
4	ALB	ALB00000	1	1	1	42.63	19.80	2125	K K	
					2	42.22	19.47	20		
					3	41.85	19.45	53		
					4	40.50	19.30	331		
					5	39.90	19.93	140		
					6	39.65	20.20	855		
					7	40.12	20.65	871		
					8	40.67	21.02	1189		
					9	42.22	20.48	1392		
					10	42.52	20.19	2075		

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
5	ALG	ALG00000	1	1	1	36.10	-2.20	5	K K E E E	
					2	36.90	8.45	25		
					3	36.78	3.02	350		
					4	27.70	-6.17	440		
					5	24.30	-1.22	820		
					6	26.30	9.45	1230		
					7	19.55	5.80	410		
					8	23.58	11.83	1000		
					9	30.22	9.42	325		
					10	19.92	3.00	655	E E	
6	ARG	ARG00000	1	1	1	-25.38	-54.12	187	P P P	
					2	-26.25	-53.63	53		
					3	-26.75	-53.75	45		
					4	-54.72	-63.82	61		
					5	54.83	-68.33	12		
					6	-49.92	-73.48	3270		
					7	-31.48	-70.60	3852		
					8	-24.47	-68.28	3268		
					9	-21.77	-66.22	2143	E E	
					10	-22.12	-62.83	103	N	
7	ARG	ARGINSL	1	1	1	-49.92	-73.48	3270	D D	
					2	-47.05	-65.85	37		
					3	-60.73	-44.73	72		
					4	-77.87	-34.62	105	A A	
					5	-68.13	-67.07	87	A	
8	ARS	ARS00000	1	1	1	28.08	36.42	10	E E E	
					2	31.50	37.00	300		
					3	32.53	39.33	850		
					4	28.33	48.50	10		
					5	26.33	50.25	10		
					6	22.17	56.00	70		
					7	20.00	55.17	100		
					8	16.08	46.67	940		
					9	16.33	42.80	10		
					10	21.50	39.17	10	E E E	
9	ATG	ATGOIFRB	1	-1	1	17.00	-61.80	0	N	

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PAG.

1	2	3	4	5	6	7	8	9	10	11
10	AUS	AUS00001	1	1	1	-10.58	142.22	58	P	
					2	-27.47	153.02	0	P	
					3	-33.87	151.22	0	P	
					4	-37.22	144.97	0	K	
					5	-42.87	147.32	0	F	
					6	-34.92	138.60	0	F	
					7	-31.95	115.85	0	K	
					8	-21.55	114.07	0	K	
					9	-12.45	130.82	0	P	
					10	-34.37	115.15	0	K	
11	AUS	AUS00002	1	1	1	-31.52	159.07	0	N	
					2	-29.07	167.97	0	M	
					3	-30.40	163.55	0	M	
					4	-29.40	163.40	0	M	
12	AUS	AUS00003	1	1	1	-10.50	105.70	0	H	
					2	-12.20	96.82	0	H	
					3	-11.75	101.35	0	H	
					4	-10.95	101.20	0	H	
13	AUS	AUS00004	1	1	1	-54.47	158.97	0	A	
14	AUS	AUS00005	1	1	1	-66.27	110.42	0	A	
15	AUT	AUT00000	1	1	1	48.05	13.37	1764	K	
					2	48.00	17.17	134	K	
					3	49.07	15.00	3500	K	
					4	48.25	13.05	353	K	
					5	47.28	9.48	1795	K	
					6	46.78	10.92	3260	K	
					7	46.67	14.60	1130	K	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

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1	2	3	4	5	6	7	8	9	10	11
16	B	B 00001	1	1	1	2.45	-54.72	500	P	
					2	5.12	-60.20	2772	P	
					3	1.68	-69.83	180	P	
					4	-7.57	-73.97	280	P	
					5	-9.33	-73.25	260	P	
					6	-13.65	-60.68	300	P	
					7	-16.25	-60.18	200	N	
					8	-16.32	-58.32	100	N	
					9	-15.58	-56.08	170	N	
					10	-12.33	-55.33	500	P	
17	B	B 00002	1	1	1	2.45	-54.72	500	P	
					2	4.38	-51.48	10	P	
					3	-1.18	-46.10	10	P	
					4	-3.83	-32.40	38	N	
					5	-8.15	-34.93	5	N	
					6	-12.98	-38.48	8	N	
					7	-17.87	-39.32	10	P	
					8	-15.77	-47.92	1000	P	
					9	-12.33	-55.33	500	P	
18	B	B 00003	1	1	1	-12.33	-55.33	500	P	
					2	-17.87	-39.32	10	P	
					3	-15.77	-47.92	1000	P	
					4	-22.00	-41.00	10	N	
					5	-33.77	-53.38	22	N	
					6	-30.22	-57.65	35	N	
					7	-27.10	-53.87	200	N	
					8	-22.08	-57.95	100	N	
					9	-16.32	-58.32	100	N	
					10	-15.58	-56.08	170	P	
19	BAH	BAHOIFRB	1	1	1	27.67	-78.70	0	N	
					2	26.67	-77.00	0	N	
					3	22.83	-72.50	0	N	
					4	20.67	-72.90	0	N	
					5	20.67	-73.70	0	N	
					6	25.67	-79.40	0	N	

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NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
20	BDI	BDI00000	1	1	1	-4.82	29.08	2000	K	
					2	-4.82	30.23	1300	K	
					3	-2.93	31.23	1500	K	
					4	-1.97	30.83	1500	K	
					5	-2.28	28.65	1460	K	
21	BEL	BEL00000	1	1	1	51.10	2.53	0	E	
					2	51.17	5.83	40	E	
					3	49.55	5.83	400	E	
					4	50.87	4.12	35	E	
					5	50.13	5.15	165	E	
22	BEN	BEN00000	1	1	1	6.28	1.82	6	P	
					2	6.38	2.68	3	P	
					3	7.57	1.70	240	N	
					4	7.90	2.65	165	N	
					5	9.02	1.67	384	N	
					6	9.08	2.73	293	N	
					7	10.17	1.12	247	N	
					8	10.28	3.58	410	N	
					9	12.35	2.85	200	K	
					10	11.70	3.55	167	K	
23	BFA	BFA00000	1	1	1	15.00	0.00	0	E	
					2	12.00	2.20	0	K	
					3	9.50	-2.75	0	N	
					4	10.33	-5.50	0	N	
					5	13.33	-4.00	0	K	
					6	14.50	-1.90	0	K	
24	BGD	BGD00000	1	1	1	25.00	92.38	150	N	
					2	23.00	92.38	150	N	
					3	22.00	92.50	150	N	
					4	26.00	88.25	150	N	
					5	24.70	88.00	200	N	
					6	26.70	88.42	200	K	
					7	26.00	90.00	200	K	
					8	22.00	89.00	150	N	
					9	21.50	92.00	150	N	
					10	23.00	89.00	150	N	
ORB	CONFERENCE	A								

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
25	BHR	BHR00000	1	1	1	26.07	50.60	0	C	
26	BLZ	BLZ00000	1	1	1	18.40	-88.40	3	N	
					2	17.52	-88.20	0	N	
					3	16.53	-88.42	3	N	
					4	16.10	-88.82	4	N	
					5	17.15	-89.07	80	N	
					6	17.13	-88.77	15	N	
					7	16.97	-88.23	3	N	
27	BOL	BOL00000	1	1	1	-20.00	-58.00	180	P	
					2	-22.67	-67.50	4200	P	
					3	-17.00	-68.00	4000	P	
					4	-11.00	-68.77	260	P	
					5	-10.82	-65.40	170	P	
					6	-18.00	-57.78	255	P	
					7	-14.00	-60.83	180	P	
28	BOT	BOT00000	1	1	1	-22.17	20.00	1252	E	
					2	-18.25	22.22	997	E	
					3	-17.83	25.17	929	E	
					4	-20.83	27.83	1379	E	
					5	-23.00	28.00	790	E	
					6	-25.83	25.75	1292	E	
29	BRB	BRB0IFRB	1	1	1	13.17	-59.60	0	N	
30	BRM	BRMOIFRB	1	1	1	21.67	101.00	0	N	
					2	11.67	99.60	0	P	
					3	10.00	98.00	0	P	
					4	28.17	97.50	0	K	
					5	21.33	92.60	0	P	
31	BRU	BRUOIFRB	1	1	1	4.50	114.60	0	P	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
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1	2	3	4	5	6	7	8	9	10	11
32	BUL	BUL00000	1	1	1	44.17	22.75	100	K	
					2	43.75	24.50	100	K	
					3	44.08	27.25	150	K	
					4	43.70	28.55	100	K	
					5	42.00	28.00	100	K	
					6	41.25	25.30	1400	K	
					7	41.33	22.97	1750	K	
					8	42.30	22.50	1000	K	
					9	43.20	23.00	1800	K	
					10	43.82	22.58	500	K	
33	CAF	CAFOIFRB	1	1	1	7.50	15.50	0	N	
					2	6.00	14.60	0	P	
					3	2.83	16.10	0	P	
					4	5.00	27.50	0	N	
					5	11.00	22.50	0	K	
34	CAN	CANOEAST	1	1	1	68.40	-85.00	0	C	
					2	64.20	-65.00	0	C	
					3	47.50	-52.70	0	K	
					4	43.70	-65.00	0	K	
					5	42.20	-83.10	0	K	
35	CAN	CANOCENT	1	1	1	71.20	-110.00	0	A	
					2	68.40	-85.00	0	C	
					3	42.20	-83.10	0	K	
					4	48.40	-89.20	0	K	
					5	49.00	-110.00	0	E	
36	CAN	CANOWEST	1	1	1	69.00	-141.00	0	A	
					2	71.20	-110.00	0	A	
					3	49.00	-110.00	0	E	
					4	48.40	-123.40	0	D	
					5	53.30	-132.10	0	D	
					6	62.40	-140.90	0	A	

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1	2	3	4	5	6	7	8	9	10	11
37	CBG	CBGOIFRB	1	1	1	10.50	103.50	0	P	
					2	13.00	102.50	0	P	
					3	14.33	103.25	0	N	
					4	14.67	107.45	0	N	
					5	12.50	107.50	0	N	
					6	11.00	105.80	0	N	
38	CHL	CHL00000	1	1	1	-17.93	-69.42	4100	C	
					2	-18.38	-70.33	20	C	
					3	-23.00	-67.03	5760	C	
					4	-27.17	-109.43	50	B	
					5	-33.30	-69.83	6550	E	
					6	-38.72	-70.92	1758	D	
					7	-44.57	-71.12	950	D	
					8	-52.35	-68.43	10	D	
					9	-63.25	-57.17	20	A	
					10	-70.00	-75.00	100	A	
39	CHN	CHN00001	1	1	1	48.42	135.03	50	K	
					2	53.53	123.62	1050	F	
					3	49.17	86.88	4500	E	
					4	39.08	73.63	3500	E	
					5	21.10	101.75	1250	N	
					6	21.55	108.08	46	N	
					7	21.45	109.20	11	N	
					8	24.47	115.80	597	N	
					9	27.35	120.95	84	N	
					10	42.57	130.53	415	K	
40	CHN	CHN00002	1	1	1	27.35	120.95	84	N	
					2	24.47	115.80	597	N	
					3	21.45	109.20	11	N	
					4	21.33	108.08	46	N	
					5	19.15	108.38	45	N	
					6	16.00	109.42	35	P	
					7	6.83	108.42	25	P	
					8	3.33	112.00	25	P	
					9	11.83	118.83	15	N	
					10	23.63	122.87	25	N	

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
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NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
41	CLM	CLM00000	1	1	1	12.55 13.32 12.00 7.00 6.20 1.33 -4.00 -2.17 1.58 8.50	-81.72 -81.55 -71.17 -70.67 -67.50 -66.83 -70.00 -73.00 -78.50 -77.22	5 100 1 100 100 100 100 100 1 1	P P N N N P N N N N	
42	CLN	CLN00000	1	1	1	6.85 6.93 8.50	80.08 79.83 80.08	30 3 3	N N N	IFRB
43	CME	CME00000	1	1	1	12.67 10.00 1.50 2.17 6.83	14.50 15.30 16.00 9.70 9.50	0 0 0 0 0	K P P P P	
44	COG	COGOIFRB	1	1	1	3.67 2.17 -3.67 -5.00 -3.50 0.50	18.50 15.20 11.00 12.00 16.25 18.00	0 0 0 0 0 0	P P N N N P	
45	COM	COM00IFRB	1	1	1	-12.17	44.10	0	N	
46	CPV	CPVOIFRB	1	1	1	16.00	-24.10	0	E	

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1	2	3	4	5	6	7	8	9	10	11
47	CTI	CTI00000	1	1	1	5.32 4.97 8.42 10.53 10.33 9.67 8.05 6.72 7.67 6.88	-4.02 -7.47 -8.15 -7.52 -5.67 -3.28 -2.78 -3.67 -5.03 -6.45	20 557 706 382 587 364 371 201 364 280	P P N N N N N P N P	
48	CTR	CTR00000	1	1	1	5.55 11.00 10.00 8.53 9.83	-87.05 -85.50 -83.00 -82.80 -84.10	200 600 100 500 1300	P P P P P	IFRB
49	CUB	CUB00000	1	1	1	21.50 20.25 19.72 19.65 21.30 21.83 22.88 23.37 23.42 22.68	-76.42 -74.05 -75.00 -77.72 -83.00 -85.07 -84.12 -82.33 -80.60 -78.17	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	
50	CVA	CVA00000	1	1	1	41.88	12.50	0	K	
51	CYP	CYP00000	1	1	1	35.10	33.20	300	K	

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PAG.

1	2	3	4	5	6	7	8	9	10	11	
52	D	D 00000	1	1	1	52.50 54.80 55.00 53.60 51.00 49.50 47.60 47.30 47.40 48.80	13.30 11.20 8.40 6.70 5.50 6.30 7.60 10.20 13.00 13.80	65 0 0 0 100 150 252 2649 2941 1378	E E E E E E H K K H		
53	DDR	DDR00000	1	1	1	54.57 53.95 52.83 50.63 50.22 50.18 49.37 50.82 53.27 52.42	13.43 10.92 10.78 9.88 10.72 12.30 14.32 14.77 14.43 13.53	46 23 80 550 310 759 150 400 20 40	E E E H H H H H E	TRU	
54	DJI	DJIOIFRB	1	1	1	11.67	42.60	0	E		
55	DMA	DMA0IFRB	1	1	1	15.33	-61.30	0	N		
56	DNK	DNK00001	1	1	1	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E		ORB

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ALLOTMENT PLAN REQUIREMENTS
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PAG.

1	2	3	4	5	6	7	8	9	10	11	
57	DNK	DNK00002	1	1	1	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E		
58	DNK	DNK00FAR	1	1	1	62.35 62.38 62.30 62.10 61.38	-6.25 -6.57 -7.22 -7.68 -6.67	0 0 0 0 0	G G G G G	TRU	
59	DNK	GRL00000	1	1	1	70.48 60.05 64.67 77.48	-21.85 -43.15 -51.58 -69.20	0 0 0 0	A G G A		
60	DOM	DOM0IFRB	1	1	1	18.67	-70.40	0	N		
61	E	CNR00000	1	1	1	29.22 28.72 28.22 28.03 27.72 28.58 27.98 28.77 27.63 27.72	-13.38 -14.02 -13.97 -14.32 -15.58 -16.13 -16.67 -17.98 -17.97 -18.08	50 60 120 40 50 380 70 150 50 50	E E E E E E E E E		

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1	2	3	4	5	6	7	8	9	10	11
62	E	E 00002	1	1	1	36.00 36.72 42.32 39.78 43.38 43.78 42.92 41.88 39.67 37.18	-5.60 -2.17 3.33 4.32 -1.78 -7.67 -9.27 -8.85 -7.53 -7.37	50 30 70 100 50 50 30 60 150 60	K K K E H H H H H K	
63	EGY	EGY00000	1	1	1	31.33 29.50 23.17 21.67 22.00 32.00	34.20 34.80 36.00 34.00 25.00 25.40	0 0 0 0 0 0	E C A A A E	ORB
64	EQA	EQA00000	1	1	1	1.40 0.43 -0.12 -0.95 -4.97 -4.47 -1.35 -1.00 -0.32 0.63	-78.87 -76.28 -75.28 -75.22 -79.03 -80.38 -90.43 -91.42 -91.67 -90.78	10 270 250 250 1300 280 40 60 20 220	P N N N N P N N N N	
65	ETH	ETH00000	1	1	1	18.00 17.05 8.00 4.43 3.38 4.92 8.00 10.98 11.78 12.73	38.57 37.05 33.02 36.00 39.88 44.97 48.00 42.92 61.72 43.12	100 500 200 400 800 100 700 500 800 100	C C K J J J E E E E	ORB
66	E_F	AND00000	1	1	1	42.52	1.53	1100	K	

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1	2	3	4	5	6	7	8	9	10	11
67	F	ADL00000	1	1	1	-66.67	140.02	0	A	
68	F	F 00000	1	1	1	51.00 50.13 48.97 46.38 43.80 43.00 42.37 42.43 43.33 48.50	2.00 6.83 8.25 6.82 7.60 9.42 9.17 3.18 -1.78 -5.10	0 200 250 400 0 0 0 0 0 0	E E H K L L L L E E	
69	F	GDL00000	1	1	1	18.08 17.88 16.33 16.00 14.58	-63.08 -62.83 -61.00 -61.72 -61.08	0 0 0 0 0	N N N N N	
70	F	GDL00002	1	1	1	18.08 17.88 16.33 16.00 14.58	-63.08 -62.83 -61.00 -61.72 -61.08	0 0 0 0 0	N N N N N	
71	F	GUF00000	1	1	1	5.73 3.45 2.87 4.42	-54.00 -54.00 -52.43 -51.90	0 100 100 0	P P P P	
72	F	GUF00002	1	1	1	5.73 3.45 2.87 4.42	-54.00 -54.00 -52.43 -51.90	0 100 100 0	P P P P	
73	F	KER00000	1	1	1	-37.78 -49.83 -49.35 -46.43	77.57 68.85 70.23 51.87	0 0 0 0	F A A D	ORB

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1	2	3	4	5	6	7	8	9	10	11
74	F	MYT00000	1	1	1	-12.78 -12.78 -12.90	-45.12 -45.25 -45.20	0 0 0	N N N	
75	F	NCL00000	1	1	1	-20.20 -22.70 -21.57 -20.45	164.05 167.47 167.88 166.60	0 0 0 0	N N N N	
76	F	OCE00000	1	1	1	-8.92 -23.17 -16.50	-140.07 -135.00 -151.75	0 0 0	N D D	7-19-77 T/T
77	F	REU00000	1	1	1	-20.87 -21.03 -21.37 -21.12	55.40 55.00 55.75 56.08	0 0 0 0	N N N N	
78	F	REU00002	1	1	1	-20.87 -21.03 -21.37 -21.12	55.40 55.00 55.75 56.08	0 0 0 0	N N N N	
79	F	SPM00000	1	1	1	47.10 46.82 46.78	-56.38 -56.42 -56.18	0 0 0	K K K	
80	F	HAL00000	1	1	1	-13.22 -13.27 -14.25 -14.38	-176.17 -176.12 -178.20 -178.03	0 0 0 0	N N N N	
81	FJI	FJIOIFRB	1	1	1	-17.17	178.50	0	N	

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1	2	3	4	5	6	7	8	9	10	11
82	FNL	FNL00000	1	1	1	70.08 69.33 69.05 60.00 59.47 59.62 60.23 62.90 67.67 69.47	27.92 21.25 20.67 19.25 20.28 22.62 27.47 31.60 30.00 29.33	50 800 500 0 0 0 0 200 300 200	E E E E E E E E E	
83	G	ASCSTHTC	1	1	1	-7.95 -15.97 -37.25	-14.37 -5.72 -12.50	750 750 750	J C D	IFRB
84	G	BERCAYMS	1	1	1	32.50 19.33 16.75 18.38 18.17	-65.00 -81.25 -62.23 -64.33 -62.92	50 100 100 100 100	N N N N N	
85	G	CYPSSBA00	1	1	1	34.58	-32.95	50	K	
86	G	FLKSTGGL	1	1	1	-51.70 -60.72 -54.28 -59.50 -76.00 -71.50 -62.98	-57.80 -45.60 -36.50 -27.00 -26.00 -69.00 -60.57	350 10 350 1000 30 92 50	D D A A A A A	
87	G	G 00000	1	1	1	60.83 57.82 55.08 54.47 54.13 49.87 49.17 56.68 51.17 52.62	-0.90 -8.57 -7.25 -8.17 -6.32 -6.45 -2.03 1.07 1.38 1.73	0 0 0 0 0 0 0 0 0 0	G G G G G J EE EE EE	IFRB
1	FBI	CONF	ER	ER	ER					

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1	2	3	4	5	6	7	8	9	10	11
88	G	GIB00000	1	1	1	36.15	-5.35	330	K	
89	G	HKG00000	1	1	1	22.42	114.50	250	N	
90	G	PTC00000	1	1	1	-25.07	-130.10	0	A	
91	GAB	GAB0IFRB	1	1	1	1.00	9.50	0	P	
					2	2.17	13.25	520	P	
					3	1.00	12.25	480	P	
					4	-2.33	14.00	580	N	
					5	-4.00	11.00	0	N	
					6	-0.67	8.75	0	N	
92	GHA	GHA00000	1	1	1	11.17	-0.38	183	P	
					2	8.28	0.73	549	P	
					3	6.12	1.20	3	P	
					4	4.73	-2.10	16	P	
					5	5.12	-3.12	0	P	
					6	6.62	-3.27	137	P	
					7	8.12	-2.63	275	P	
					8	10.63	-2.93	229	P	
					9	11.00	-2.83	229	P	
93	GMB	GMB00000	1	1	1	13.40	-16.40	20	K	
94	GNB	GNB0IFRB	1	1	1	12.00	-15.40	0	K	
95	GNE	GNE0IFRB	1	1	1	1.67	10.50	0	P	
96	GRC	GRC00000	1	1	1	39.88	19.37	0	L	
					2	37.75	20.50	0	L	
					3	34.80	24.12	0	K	
					4	36.13	29.62	0	K	
					5	36.45	28.22	0	K	
					6	41.33	26.63	50	L	
					7	41.72	26.35	100	L	
					8	41.67	24.25	1500	L	
					9	41.33	22.93	1800	L	
					10	40.85	21.98	850	L	
97	GRD	GRD0IFRB	1	1	1	12.00	-61.60	0	N	

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1	2	3	4	5	6	7	8	9	10	11
98	GTM	GTM00000	1	1	1	17.67	-89.15	0	N	
					2	17.67	-90.98	0	N	
					3	17.17	-91.43	0	N	
					4	16.00	-91.72	0	N	
					5	15.17	-92.20	0	N	
					6	14.50	-92.23	0	N	
					7	13.83	-91.07	0	N	
					8	13.67	-90.12	0	N	
					9	14.50	-89.15	0	N	
					10	15.67	-88.62	0	N	
99	GUI	GU00IFRB	1	1	1	11.00	-15.00	0	N	
					2	12.67	-13.50	0	K	
					3	12.50	-9.00	0	K	
					4	10.17	-8.00	0	N	
					5	7.17	-9.00	0	R	
100	GUY	GUY00000	1	1	1	8.25	-59.72	0	P	
					2	6.00	-57.13	0	P	
					3	3.33	-57.32	0	P	
					4	1.25	-58.83	0	P	
					5	3.33	-59.75	0	P	
					6	5.92	-61.25	0	P	
101	HND	HND00000	1	1	1	17.45	-83.50	40	P	
					2	15.50	-83.00	40	P	
					3	15.00	-83.17	0	P	
					4	13.75	-85.77	800	P	
					5	12.92	-87.47	0	P	
					6	14.43	-89.33	2419	P	
					7	15.08	-89.17	1200	P	
					8	16.22	-88.33	10	P	
102	HNG	HNG00000	1	1	1	48.00	22.90	100	K	
					2	48.60	20.80	400	K	
					3	48.10	17.40	100	K	
					4	46.80	16.10	320	K	
					5	45.70	18.10	105	K	
					6	46.20	21.00	100	K	

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1	2	3	4	5	6	7	8	9	10	11
103	HOL	ABW00000	1	1	1	12.33	-70.17	0	N	
					2	12.67	-69.00	0	N	
					3	12.00	-67.92	0	N	
					4	12.50	-68.00	0	N	
					5	11.67	-69.00	0	N	
					6	12.83	-70.17	0	N	
					7	12.10	-68.28	1	N	
					8	12.48	-69.97	1	N	
					9	12.17	-68.98	1	N	
104	HOL	ATN00000	1	1	1	18.05	-63.00	0	N	
					2	17.62	-63.33	0	N	
					3	17.42	-63.25	0	N	
					4	17.48	-62.97	5	N	
					5	17.58	-62.75	0	N	
					6	12.00	-67.92	0	N	
					7	12.50	-68.00	0	N	
					8	12.10	-68.28	1	N	
					9	12.17	-68.98	1	N	
					10	12.67	-69.00	0	N	
105	HOL	HOL00000	1	1	1	51.50	-3.42	35	E	
					2	51.25	-3.67	35	E	
					3	51.67	5.00	35	E	
					4	51.25	6.00	145	E	
					5	51.25	6.17	145	E	
					6	51.50	6.33	145	E	
					7	52.42	7.17	35	E	
					8	53.42	7.42	35	E	
					9	53.92	7.17	35	E	
					10	53.67	5.25	35	E	
106	HTI	HTIOIFRB	1	1	1	18.83	-73.00	0	N	

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1	2	3	4	5	6	7	8	9	10	11
107	I	I 00000	1	1	1	45.08	6.60	3070	L	
					2	45.83	6.80	4051	L	
					3	46.43	8.33	3067	K	
					4	46.98	11.20	2900	K	
					5	47.10	12.20	2911	K	
					6	46.53	13.72	1508	K	
					7	40.00	18.63	0	K	
					8	36.65	15.15	0	K	
					9	35.43	12.60	0	K	
					10	39.08	8.23	0	K	
108	IND	IND00000	1	1	1	27.15	97.12	4000	N	
					2	29.37	96.17	5000	K	
					3	35.53	80.17	5000	K	
					4	37.05	75.47	5000	E	
					5	36.00	72.55	5000	E	
					6	28.00	70.40	200	K	
					7	26.70	69.52	500	K	
					8	23.78	68.20	200	N	
					9	6.35	94.20	200	P	
					10	8.40	73.00	200	P	
109	INS	INS00000	1	1	1	3.83	92.17	0	P	
					2	7.83	95.50	0	P	
					3	1.33	104.00	10	P	
					4	7.33	109.00	0	P	
					5	4.17	118.00	510	P	
					6	6.67	129.92	0	P	
					7	1.00	140.83	0	P	
					8	-9.33	141.00	9	P	
					9	-14.00	120.00	0	P	
					10	-8.00	100.00	0	P	
110	IRL	IRL00000	1	1	1	55.40	-7.30	40	H	
					2	53.30	-6.00	0	H	
					3	54.30	-10.30	40	H	
					4	51.30	-9.80	0	H	
					5	52.20	-6.20	0	H	
					6	-54.30	-5.50	0	H	
					7	53.10	-9.70	0	H	
					8	51.80	-8.10	0	H	
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1	2	3	4	5	6	7	8	9	10	11
111	IRN	IRN00000	1	1	1	30.50 36.65 25.28 39.23 39.72 38.28 31.03 26.90 25.85 33.97	48.07 61.10 61.50 44.60 47.98 56.75 61.83 63.25 55.05 45.40	25 280 10 850 40 900 485 1040 10 120	E E K C E E E E E K	
112	IRQ	IRQ00000	1	1	1	33.33 32.75 36.80 37.17 35.80 33.08 31.80 29.92 29.23 31.23	44.40 38.93 42.08 44.77 46.33 46.00 47.87 48.63 44.55 41.83	33 625 545 1000 1000 100 100 2 200 200	E E B E B B B B B E	ORB
113	ISL	ISL00000	1	1	1	64.15 65.05 66.05 65.65 65.70 66.25 65.25 64.25 63.40 64.85	-21.80 -22.40 -23.50 -20.30 -18.10 -15.30 -14.40 -15.20 -19.05 -19.55	30 30 30 20 30 30 30 30 20 600	E G G E E E G E E G	
114	ISR	ISR00000	1	1	1	29.50 31.20 33.20 32.40 31.30	34.80 34.30 35.20 35.50 35.30	0 100 0 -125 -400	D G L K G	ORB

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1	2	3	4	5	6	7	8	9	10	11
115	J	J 00000	1	1	1	45.53 37.25 34.70 25.77 24.43 20.42 24.78 24.28 45.55	141.95 131.87 129.30 123.52 122.93 136.07 141.33 153.98 148.77	5 55 55 55 55 55 55 55 5	K M M N N N N D K	
116	JMC	JMC00000	1	1	1	17.87 18.50	-77.35 -77.83	0 0	N Y	ORB
117	JOR	JOR00000	1	1	1	32.00 29.50 32.60 32.00 32.50 30.50	35.83 35.08 36.00 35.00 39.00 38.00	0 0 0 0 0 0	E E E E E E	ORB
118	KEN	KEN00000	1	1	1	3.83 -1.50 -4.67 -1.00 4.17 4.50	41.90 41.60 39.20 23.90 34.00 36.40	0 0 0 0 0 0	J J J K K J	
119	KIR	KIROIFRB	1	1	1	1.00	173.00	0	N	
120	KOR	KOR00000	1	1	1	33.10 37.33 34.08 35.08 36.43 36.12 37.52 37.97 38.30 38.50	126.27 20 40 20 180 156 40 20 250 10	34 20 40 20 180 156 40 20 250 K	ORB	

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1	2	3	4	5	6	7	8	9	10	11
121	KRE	KRE00000	1	1	1	38.13	124.67	90	K	
					2	37.77	126.58	30	N	
					3	38.63	128.37	29	K	
					4	42.28	130.68	13	K	
					5	43.00	129.97	74	K	
					6	41.80	126.93	335	K	
					7	39.80	124.18	70	M	
					8	38.50	123.50	15	M	
					9	38.92	125.83	36	K	
					10	40.20	132.50	10	M	
122	KWT	KWT00000	1	1	1	30.08	47.70	20	E	
					2	29.45	48.27	5	E	
					3	29.33	47.67	24	E	
					4	28.53	48.40	10	E	
					5	29.12	46.67	285	E	
					6	29.68	47.68	80	E	
					7	29.37	47.97	10	E	
					8	29.33	48.02	22	E	
					9	29.33	48.08	15	E	
					10	28.73	48.38	3	E	
123	LAO	LA00IFRB	1	1	1	20.50	100.50	0	N	
					2	22.50	102.00	0	N	
					3	20.00	104.50	0	N	
					4	17.50	101.00	0	N	
					5	14.00	105.83	0	N	
					6	14.67	107.50	0	N	
124	LBN	LBN00000	1	1	1	33.83	35.80	0	E	
125	LBR	LBR00000	1	1	1	8.50	-10.20	0	N	
					2	7.50	-8.60	0	P	
					3	5.67	-7.40	0	P	
					4	4.50	-7.60	0	P	
					5	5.00	-9.05	0	N	
					6	6.83	-11.50	0	N	

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1	2	3	4	5	6	7	8	9	10	11
126	LBY	LBY00000	1	1	1	31.80	25.00	168	M	
					2	26.43	24.87	257	M	
					3	18.78	23.95	834	M	
					4	21.72	17.38	1093	M	
					5	22.70	12.53	905	M	
					6	24.90	10.08	701	M	
					7	30.33	9.92	370	M	
					8	33.05	11.50	23	M	
					9	32.40	15.08	60	M	
					10	32.60	21.73	832	M	
127	LIE	LIE00000	1	1	1	47.20	9.50	400	H	
128	LSD	LS00IFRB	1	1	1	29.50	28.40	0	E	
129	LUX	LUX00000	1	1	1	49.45	6.37	145	E	
					2	49.85	6.52	160	E	
					3	50.18	6.02	536	E	
					4	49.90	5.73	425	E	
					5	49.53	5.80	270	E	
					6	49.45	6.02	420	E	
130	MAU	MAU0IFRB	1	1	1	-20.17	57.50	0	N	
131	MCO	MC000000	1	1	1	43.67	7.40	0	L	
132	MDG	MDGOIFRB	1	1	1	-12.17	49.00	0	P	
					2	-18.00	49.20	0	P	
					3	-17.00	44.00	0	P	
					4	-25.00	47.00	0	N	
					5	-25.67	45.00	0	N	
					6	-23.17	43.40	0	N	

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1	2	3	4	5	6	7	8	9	10	11
133	MEX	MEX00000	1	1	1	32.67	-115.45	2	E	
					2	24.15	-110.33	10	EE	
					3	18.72	-110.95	20	NN	
					4	16.83	-99.92	82	NN	
					5	14.72	-95.42	2	NN	
					6	21.60	-87.10	157	NN	
					7	19.20	-96.13	14	NN	
					8	25.87	-97.33	12	MM	
					9	29.32	-100.92	200	MM	
					10	31.73	-106.48	1144	EE	
134	MLA	MLA00000	1	1	1	3.00	101.50	200	PP	
					2	5.40	100.20	100	PP	
					3	3.70	103.50	100	PP	
					4	1.40	103.80	100	PP	
					5	1.60	110.30	100	PP	
					6	4.25	114.00	100	PP	
					7	6.00	115.90	50	PP	
					8	4.30	117.90	50	PP	
135	MLD	MLDOIFRB	1	1	1	8.50	73.00	0	NN	
					2	-3.50	73.00	0	NN	
136	MLI	MLIOIFRB	1	1	1	25.00	-4.70	0	ACE	
					2	20.00	2.80	0	KK	
					3	16.00	4.20	0	KK	
					4	15.00	-12.00	0	KK	
					5	13.67	-12.00	0	KK	
					6	11.00	-8.30	0	KK	
137	MLT	MLT00000	1	1	1	36.05	14.25	100	KK	
					2	36.43	14.95	104	KK	
					3	35.92	14.50	20	KK	
					4	35.82	14.40	300	KK	
					5	35.82	14.47	200	KK	
					6	35.88	14.33	200	KK	

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1	2	3	4	5	6	7	8	9	10	11
138	MNG	MNG00000	1	1	1	51.90	98.80	0	EE	
					2	47.33	118.90	0	EE	
					3	43.20	110.00	0	EE	
					4	42.30	103.40	0	EE	
					5	43.20	95.00	0	EE	
					6	48.90	87.90	0	EE	
139	MOZ	MOZOIFRB	1	1	1	-10.67	40.30	0	NN	
					2	-16.67	40.00	0	NN	
					3	-26.67	32.50	0	NN	
					4	-15.00	30.30	0	NN	
					5	-11.67	35.00	0	NN	
140	MRC	MRC00000	1	1	1	35.78	-5.90	479	KK	
					2	35.03	-2.03	641	KK	
					3	32.13	-1.30	1588	KK	
					4	29.83	-5.73	1804	KK	
					5	30.43	-9.63	561	KK	
					6	27.17	-13.18	500	KK	
					7	23.70	-15.93	20	KK	
					8	23.50	-12.80	63	KK	
					9	26.35	-9.57	81	KK	
					10	20.78	-17.00	0	KK	
141	MTN	MTNOIFRB	1	1	1	15.50	-5.50	0	EE	
					2	14.67	-12.00	0	EE	
					3	16.00	-16.30	0	EE	
					4	27.17	-8.40	0	EE	
					5	25.00	-4.50	0	EE	
					6	21.17	-16.80	0	EE	
					7	26.00	-12.00	0	EE	
142	MWI	MWIOIFRB	1	1	1	-9.50	33.20	0	JJJ	
					2	-9.50	34.00	0	JJJ	
					3	-11.67	35.00	0	JJJ	
					4	-14.67	33.80	0	JJJ	
					5	-17.17	35.20	0	JJJ	
					6	-13.50	32.80	0	JJJ	

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1	2	3	4	5	6	7	8	9	10	11
143	NCG	NCG0IFRB	1	1	1	13.00 13.67 14.83 15.00 10.83 11.00	-87.58 -86.75 -84.83 -83.30 -83.67 -85.82	0 0 0 0 0 0	P P P P P P	
144	NGR	NGR0IFRB	1	1	1	15.00 19.00 23.50 20.00 13.50 11.67	0.00 4.20 12.00 15.60 13.00 3.50	0 0 0 0 0 0	E C A C E K	WORLD
145	NIG	NIG00000	1	1	1	14.00 13.83 12.00 12.00 4.67 6.50 13.28 9.00 9.87 5.00	5.00 13.23 14.50 8.50 2.75 11.38 8.00 12.92 3.28 5.43	0 0 0 0 0 0 0 0 0 0	K E K P N P P P N N	
146	NMB	NMB0IFRB	1	1	1	-17.67 -29.00 -27.00 -17.00 -22.00	25.00 19.00 15.00 12.00 21.00	0 0 0 0 0	E C C E E	
147	NOR	NOR00000	1	1	1	58.92 57.90 58.17 61.68 67.45 78.00 70.40 59.05 67.07 61.37	0.50 7.60 5.17 4.40 11.63 16.00 31.37 29.08 16.33 12.83	200 0 0 30 0 0 50 0 0 0	G G G J G A C C G	JURB
	RB	CONFERENCE				F	A	O		

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1	2	3	4	5	6	7	8	9	10	11
148	NPL	NPL0IFRB	1	1	1	28.67 30.00 27.83 26.50 27.50	80.20 82.00 88.00 88.00 83.00	0 0 0 0 0	K K K K K	
149	NRU	NRU0IFRB	1	1	1	-0.50	166.90	0	N	
150	NZL	NZL00001	1	1	1	-34.42 -37.68 -40.90 -43.83 -47.42 -49.90 -52.42 -40.50 -39.28 -77.85	172.68 178.55 176.23 176.42 167.42 166.43 171.17 172.87 173.75 166.77	30 90 30 20 0 60 55 0 10 30	K K K K K K K K K A	
151	NZL	NZL00002	1	1	1	-8.98 -13.28 -21.20 -19.87 -18.05 -19.05 -8.53 -9.20 -9.38 -13.50	-158.07 -163.18 -159.78 -157.68 -163.20 -169.92 -172.52 -171.85 -171.25 -172.80	0 0 0 0 0 60 0 0 0 0	N N D D D N N N N N	
152	OMA	OMA00000	1	1	1	16.67 18.50 19.00 19.00 20.00 22.50 22.75 25.00 26.67	53.08 51.88 52.00 58.00 55.00 60.00 55.17 55.75 56.75	75 600 150 0 100 0 100 300 100	C C C C C C C C C	

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1	2	3	4	5	6	7	8	9	10	11
153	PAK	PAK00000	1	1	1	35.50 25.17 29.50 24.17 24.00 37.17 35.60 32.70 36.20 30.20	77.50 61.80 61.30 71.00 68.10 75.10 79.80 79.10 71.20 73.80	0 0 0 0 0 0 0 0 0 0	E K K M K E M M M M	
154	PHL	PHL0IFRB	1	1	1	21.00 5.00 16.00 11.00 7.50 15.00	122.00 120.00 126.00 126.00 117.00 125.00	0 0 0 0 0 0	N P P N P N	ORB
155	PNG	PNG00000	1	1	1	-1.00 -7.00 -12.00 -9.17 -2.50	150.00 157.00 154.00 141.00 141.00	0 0 0 0 0	P P P P P	
156	PNR	PNR0IFRB	1	1	1	9.50 9.50 7.17 7.00 8.17	-82.83 -77.60 -77.88 -81.88 -83.00	0 0 0 0 0	P P P N P	
157	POL	POL00000	1	1	1	53.92 52.83 50.88 50.12 49.27 49.05 50.50 52.73 54.25 54.83	14.23 14.05 14.83 16.68 19.92 22.83 24.05 23.93 25.32 18.33	25 75 150 500 2000 800 200 200 200 50	E E H H H H H H H E	ORB
158	PRB	CONF ER EN C	10-							

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1	2	3	4	5	6	7	8	9	10	11
158	POR	AZR00000	1	1	1	37.78 38.75 39.42	-25.67 -27.08 -31.17	200 60 900	F F F	
159	POR	MAC00000	1	1	1	22.17	113.57	0	N	
160	POR	MDR00000	1	1	1	32.65 30.03 33.12	-16.93 -16.05 -16.28	210 50 100	H H H	
161	POR	POR00000	1	1	1	41.87 41.82 37.20 37.02 38.87 41.15 37.02	-8.85 -6.75 -7.42 -7.93 -9.27 -8.58 -8.93	30 690 20 20 180 200 20	H K K K K H K	ORB
162	PRG	PRG00000	1	1	1	-22.33 -19.65 -19.33 -23.83 -26.83 -27.17	-62.75 -62.00 -58.72 -54.45 -55.00 -58.30	0 0 0 0 0 0	N P P P P P	
163	PRU	PRU00000	1	1	1	-18.35 -12.30 -9.43 -7.58 -2.75 -0.03 -3.40 -4.43 -6.08 -13.45	-70.38 -69.00 -70.48 -73.98 -70.05 -75.22 -80.32 -81.33 -81.17 -76.12	200 365 365 365 365 365 15 15 15 15	E N N N N N P P P N	
164	QAT	QAT00000	1	1	1	26.20 24.80 24.70 25.30	51.10 52.30 50.80 50.70	0 0 0 0	A A A A	
158	PRB	CONF ER EN C	10-							

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1	2	3	4	5	6	7	8	9	10	11
165	ROU	ROU00000	1	1	1	48.25 47.67 46.00 43.83 43.50 44.00 46.00 47.67 48.17 48.25	26.67 29.00 30.75 28.58 25.00 21.00 19.33 21.00 23.00 25.00	200 100 0 0 200 700 100 150 200 200	K K K K K K K K K K	
166	RRW	RRW0IFRB	1	1	1	-2.00	30.00	0	K	
167	S	S 00000	1	1	1	55.37 55.38 57.43 59.62 65.67 68.30 69.05 66.13 63.27 58.88	12.80 14.20 19.00 19.63 24.13 23.08 20.07 14.52 11.97 10.97	3 3 0 0 0 300 300 1100 1100 0	E E E E E C C C C G	
168	SCN	SCN0IFRB	1	1	1	17.33	-62.90	0	N	
169	SDN	SDN00001	1	1	1	15.70 12.00 4.67 3.67 4.20 8.67 13.00	32.50 35.00 36.00 33.00 28.20 23.50 22.00	300 1200 500 1500 1000 1500 1500	E E J K N N K	
170	SDN	SDN00002	1	1	1	15.70 12.00 13.00 18.00 35.50	32.50 35.00 22.00 38.50 25.00	300 1200 1500 0 0	E E K C A	
1	RB	CONFIRMEN	C	5-	6	F23.00 22.00	A	35.50 25.00	O	

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1	2	3	4	5	6	7	8	9	10	11
171	SEN	SEN00000	1	1	1	12.30 14.00 16.15 16.30 16.00 14.50 13.00 12.15 12.30 12.20	-11.30 -12.50 -13.30 -15.00 -16.30 -16.60 -16.40 -16.30 -14.30 -13.00	125 174 12 5 16 105 25 13 52 100	K K K K K K K K K N	
172	SEY	SEY0IFRB	1	1	1	-4.50	55.40	0	N	
173	SLM	SLM0IFRB	1	1	1	-11.00 -8.00 -6.50 -7.50	162.50 160.80 156.20 155.50	0 0 0 0	P P P P	
174	SLV	SLV0IFRB	1	1	1	13.67	-89.00	0	P	
175	SMR	SMR00000	1	1	1	43.91 43.91 43.97 43.95 43.92 43.88 43.98	12.45 12.52 12.45 12.40 12.40 12.45 12.52	750 300 100 40 40 400 0	K K K K K K K	
176	SNG	SNG00000	1	1	1	1.28	103.85	3	P	
177	SOM	SOM0IFRB	1	1	1	11.17 12.00 8.00 3.00 -2.00 3.00	43.20 51.00 50.00 47.00 41.50 41.00	0 0 0 0 0 0	E E E E J J	
178	SRL	SRL0IFRB	1	1	1	8.50	-11.90	0	N	
179	STP	STP0IFRB	1	1	1	1.00	-17.00	0	N	

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1	2	3	4	5	6	7	8	9	10	11
180	SUI	SUI00000	1	1	1	46.10 47.30 47.80 46.90 45.70 45.90	6.00 6.90 8.50 10.40 9.00 7.10	400 400 400 400 400 400	H H H H K H	
181	SUR	SUROIFRB	1	1	1	5.83 5.67 3.67 2.17 1.67 4.00	-56.92 -53.95 -53.95 -54.33 -56.00 -58.12	0 0 0 0 0 0	P P P P P P	
182	SWZ	SWZ00000	1	1	1	-26.87 -26.67 -25.83	31.18 31.25 31.40	375 375 375	K K K	
183	SYR	SYR00000	1	1	1	37.25 34.75 36.85 32.65 33.60 33.50 35.70 34.90	42.25 41.25 38.30 35.70 36.00 40.10 35.50 30.80	400 200 600 40 1000 600 30 10	E E K K EE EE E	
184	TCD	TCDOIFRB	1	1	1	14.50 23.50 19.50 7.50 11.00 21.50	13.50 16.00 24.00 15.50 22.80 20.00	0 0 0 0 0 0	E A C N K A	

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1	2	3	4	5	6	7	8	9	10	11
185	TCH	TCH00000	1	1	1	50.32 51.05 51.03 50.32 49.28 49.07 48.37 47.73 48.77 49.37	12.12 14.32 15.17 17.72 22.00 22.57 22.13 17.73 13.82 12.67	573 512 405 240 690 1214 103 112 1320 500	H H H H K K K K H H	
186	TGO	TG000000	1	1	1	6.00 6.83 11.00 11.00 9.17 6.17	1.20 0.50 -0.20 0.70 1.70 1.90	0 0 0 0 0 0	P P K K N N	
187	THA	THA00000	1	1	1	20.50 18.50 7.40 5.50 14.30 18.60	99.50 97.30 97.80 101.60 105.40 103.70	0 0 0 0 0 0	P P P P N N	
188	TON	TON0IFRB	1	1	1	-21.17	-175.17	0	N	
189	TRD	TRD00000	1	1	1	10.68 10.67 10.65 10.73 10.35 11.18	-61.03 -61.50 -61.52 -61.57 -61.13 -60.73	40 354 3 241 10 38	N N N N N N	

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1	2	3	4	5	6	7	8	9	10	11
190	TUN	TUN00000	1	1	1	37.35	8.50	0	K	
					2	37.15	11.15	0	K	
					3	34.00	7.30	0	K	
					4	34.30	12.30	0	K	
					5	33.15	11.35	0	E	
					6	29.50	9.32	0	E	
					7	32.30	8.10	0	E	
					8	36.50	8.30	0	K	
					9	36.87	9.70	0	K	
					10	36.90	10.53	0	K	
191	TUR	TUR00000	1	1	1	39.67	44.80	700	K	
					2	37.28	44.78	2500	K	
					3	41.50	41.57	50	K	
					4	37.92	40.22	650	K	
					5	27.37	36.68	200	K	
					6	35.93	36.12	50	K	
					7	41.45	31.80	10	K	
					8	41.08	29.03	50	K	
					9	41.77	26.37	150	L	
					10	40.13	25.68	500	L	
192	TUV	TUV00000	1	1	1	-8.60	179.07	0	N	
					2	-8.40	179.25	0	N	
193	TZA	TZA0IFRB	1	1	1	-1.00	30.50	0	K	
					2	-1.00	34.00	0	J	
					3	-5.00	40.00	0	J	
					4	-10.50	40.00	0	J	
					5	-11.50	35.00	0	J	
					6	-5.00	29.75	0	K	

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1	2	3	4	5	6	7	8	9	10	11
194	UAE	UAE00000	1	1	1	25.50	53.25	0	C	
					2	24.50	50.80	120	C	
					3	23.00	51.90	100	C	
					4	22.45	55.12	150	C	
					5	24.08	56.10	450	C	
					6	25.00	56.38	0	C	
					7	25.60	56.60	0	C	
					8	26.08	56.18	900	C	
					9	25.87	55.03	0	C	
					10	25.47	54.35	0	C	
195	UGA	UGA0IFRB	1	1	1	4.00	34.00	0	K	
					2	3.67	31.20	0	K	
					3	-0.67	30.00	0	K	
					4	-1.17	29.80	0	K	
					5	-1.00	33.80	0	K	
					6	1.17	34.60	0	K	
196	URG	URG00000	1	1	1	-34.80	-56.13	47	K	
					2	-34.47	-57.83	6	K	
					3	-33.12	-58.30	8	K	
					4	-31.38	-57.95	46	K	
					5	-36.27	-57.60	66	K	
					6	-30.43	-57.45	126	K	
					7	-30.90	-55.53	146	K	
					8	-32.60	-53.38	4	K	
					9	-33.70	-53.47	15	K	
					10	-34.90	-54.97	22	K	
197	URS	URS00001	1	1	1	69.60	30.50	200	E	
					2	54.80	19.60	0	E	
					3	48.50	22.00	200	H	
					4	45.20	29.60	200	K	
					5	38.40	48.90	100	E	
					6	35.00	62.00	500	E	
					7	37.00	75.00	3000	E	
					8	56.00	92.50	500	E	
					9	72.00	79.00	100	A	
					10	70.00	60.00	100	A	

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1	2	3	4	5	6	7	8	9	10	11
198	URS	URS00002	1	1	1	62.30	129.50	200	C	
					2	48.40	135.80	300	F	
					3	61.00	132.00	200	K	
					4	50.00	108.00	500	E	
					5	47.00	83.00	500	E	
					6	41.30	69.10	600	E	
					7	55.70	37.50	200	A	
					8	70.00	60.00	100	A	
					9	72.00	79.00	100	A	
					10	73.00	110.50	200	A	

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1	2	3	4	5	6	7	8	9	10	11
201	USA	CAR00000	1	1	1	8.00	132.00	0	P	
					2	5.00	130.50	0	P	
					3	2.50	130.50	0	P	
					4	0.00	141.00	0	P	
					5	0.00	155.00	0	P	
					6	0.00	168.50	0	P	
					7	5.00	170.00	0	P	
					8	11.50	168.00	0	P	
					9	3.00	155.00	0	P	
					10	3.00	140.00	0	P	
202	USA	GUMMRA00	1	1	1	21.50	145.00	0	N	
					2	20.00	143.00	0	N	
					3	17.50	142.00	0	N	
					4	15.00	143.00	0	N	
					5	13.50	144.00	0	N	
					6	12.00	146.00	0	N	
					7	12.00	147.00	0	N	
					8	15.00	148.00	0	N	
					9	17.50	149.00	0	N	
					10	20.00	148.00	0	N	
203	USA	HWA00000	1	1	1	22.00	<-160.50	0	P	
					2	22.25	-159.50	0	P	
					3	21.83	-158.00	0	P	
					4	21.00	-156.42	0	P	
					5	19.50	-154.75	0	P	
					6	18.50	-155.75	0	P	
					7	21.25	-158.00	0	P	
204	USA	HWL00000	1	1	1	0.08	-176.58	0	N	
205	USA	JAR00000	1	1	1	-0.38	-160.00	0	N	
206	USA	JON00000	1	1	1	17.00	-168.50	0	D	
207	USA	MDW00000	1	1	1	28.22	-177.42	0	D	

IFRB CONFERENCE PREPARATION

ORB(2)/230(Rev.1)-F/E/S

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
 ALLOTMENT PLAN REQUIREMENTS
 NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
208	USA	MRL00000	1	1	1	15.00	175.00	0	D	
					2	14.00	172.00	0	NN	
					3	11.50	171.00	0	N	
					4	9.00	170.92	0	N	
					5	5.50	172.00	0	P	
					6	3.00	175.33	0	P	
					7	2.75	177.00	0	P	
					8	4.00	178.50	0	P	
					9	8.00	179.50	0	P	
					10	12.00	178.00	0	H	
209	USA	PLM00000	1	1	1	7.00	-161.42	0	N	
210	USA	SMA00000	1	1	1	-14.22	-170.70	0	D	
211	USA	USAVIRPT	1	1	1	47.00	-123.00	0	D	
					2	48.42	-124.75	0	D	
					3	40.50	-124.33	0	D	
					4	34.50	-120.00	0	D	
					5	32.83	-117.33	0	E	
					6	25.00	-97.33	0	M	
					7	17.75	-64.50	0	M	
					8	44.83	-67.00	0	K	
					9	47.33	-68.33	0	K	
					10	49.42	-95.25	0	K	
212	USA	WAK00000	1	1	1	19.20	166.50	0	D	
213	VCT	VCT0IFRB	1	1	1	13.17	-61.10	0	N	
214	VEN	VEN00001	1	1	1	12.45	-70.90	0	N	
					2	10.43	-72.87	2000	N	
					3	7.43	-72.37	2000	N	
					4	5.47	-67.70	100	N	
					5	2.83	-67.88	100	P	
					6	0.67	-65.32	500	P	
					7	3.67	-62.67	500	P	
					8	4.92	-60.67	100	P	
					9	8.13	-59.83	100	P	
					10	10.70	-61.92	200	N	
IFRB	CONF	EREN	1	9	P					

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
 ALLOTMENT PLAN REQUIREMENTS
 NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
215	VEN	VEN00002	1	1	1	15.67	-63.62	0	N	
216	VTN	VTN00000	1	1	1	22.40	102.15	1700	N	
					2	23.20	105.30	2000	N	
					3	21.50	108.00	0	N	
					4	16.55	112.00	0	N	
					5	10.87	117.33	0	P	
					6	8.67	111.92	0	P	
					7	6.28	113.70	5	P	
					8	9.25	103.45	5	P	
					9	15.38	109.15	5	N	
					10	19.40	104.00	100	N	
217	VUT	VUTOIFRB	1	1	1	-14.67	166.50	0	P	
					2	-20.00	169.80	0	N	
					3	-18.00	167.50	0	P	
					4	-15.50	168.00	0	P	
218	YEM	YEM00IFRB	1	1	1	15.17	42.60	0	E	
					2	16.50	42.60	0	C	
					3	17.40	44.00	0	C	
					4	12.67	43.50	0	C	
					5	16.83	46.20	0	C	
					6	15.50	46.20	0	C	
219	YMS	YMS00000	1	1	1	12.75	45.00	250	E	
					2	12.67	43.47	70	EE	
					3	13.12	43.82	864	EE	
					4	13.67	44.53	1400	EE	
					5	14.83	45.52	1196	EE	
					6	17.50	48.50	1000	CC	
					7	18.00	51.50	600	CC	
					8	17.00	52.37	1000	CC	
					9	12.50	53.80	1000	E	
					10	12.58	54.50	500	E	

ORB (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG.

1	2	3	4	5	6	7	8	9	10	11
220	YUG	YUG00000	1	1	1	46.40 40.60 46.30 42.90 44.50 43.10	13.40 21.00 20.10 16.10 22.70 23.00	640 900 80 0 60 1300	K K K K K	
221	ZAI	ZAI0IFRB	1	1	1	5.00 2.17 -5.50 -11.00 -13.50 -8.17 33.67 4.60	19.50 31.50 12.00 22.10 29.80 30.70 30.83 29.60	0 0 0 0 0 0 0 0	P K K K J K	IFRB
222	ZMB	ZMBOIFRB	1	1	1	-8.50 -9.50 -13.67 -17.50 -16.50 -13.00 -16.00	28.70 33.00 33.00 25.50 22.00 22.00 22.00	0 0 0 0 0 0 0	K J J E J J	
223	ZWE	ZWE00000	1	1	1	-17.47	30.98	1190	K	

IFRB CONFERENCE PREPARATION

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 230-E
9 September 1988
Original: English

WORKING GROUP 4-B

Note by the Secretary-General

IFRB REPORT

ALLOTMENT PLANNING REQUIREMENTS USED FOR
THE PREPARATION OF THE FIRST DRAFT PLAN

At the request of the Chairman of Working Group 4-B, I have the honour to transmit to the Conference a copy of the Allotment Planning requirements used for the preparation of the first draft Plan.

R.E. BUTLER
Secretary-General

Attachment

IFRB REPORT

ALLOTMENT PLANNING REQUIREMENTS USED FOR
THE PREPARATION OF THE FIRST DRAFT PLAN

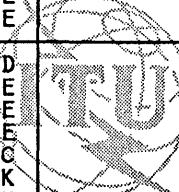
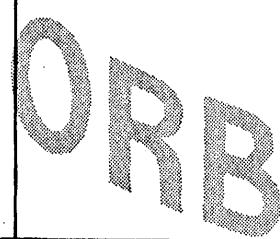
Explanation of columns

<u>Column</u>	<u>Description</u>
1	Requirement number
2	Administration
3	Beam name
4	Use of 6/4 GHz (0 = no, 1 = yes)
5	Use of 14/11 - 12 GHz (0 = no, 1 = yes)
6	Test point number
7	Test point longitude (degrees East)
8	Test point latitude (degrees North)
9	Height above mean sea-level (metres)
10	Rain-climatic zone
11	Remarks (see pages 4 and 5 for explanations)

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 3

1	2	3	4	5	6	7	8	9	10	11
1	AFG	AFG00000	1	1	1 2 3 4 5 6 7 8 9 10	74.80 65.67 61.33 70.42 64.75 61.00 70.00 71.13 66.33 70.55	37.33 31.67 35.50 34.42 35.92 29.83 33.33 34.87 29.97 37.17	0 0 0 0 0 0 0 0 0 0	C C C C C C C C C E	
2	AFS	AFS00000	1	1	1 2 3 4 5 6 7 8 9 10	18.42 16.48 14.50 20.62 26.05 30.05 30.97 31.47 31.00 30.93	-33.92 -28.62 -22.92 -26.73 -24.80 -22.35 -25.45 -28.90 -29.85 -46.58	50 94 50 888 1200 634 312 50 50 50	D D E E K K K K D D	
3	AGL	AGLOIFRB	1	1	1 2 3 4 5	12.00 12.50 24.00 23.00 20.00	-17.50 -6.50 -11.00 -17.50 -7.00	0 0 0 0 0	E K K E K	
4	ALB	ALB00000	1	1	1 2 3 4 5 6 7 8 9 10	19.80 19.47 19.45 19.30 19.93 20.20 20.65 21.02 20.48 20.13	42.63 42.22 41.85 40.50 39.90 39.65 40.12 40.67 42.22 42.52	2125 20 53 331 140 855 871 1189 1392 2075	K K L L L L L L K K	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
 ALLOTMENT PLAN REQUIREMENTS
 NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 4

1	2	3	4	5	6	7	8	9	10	11
5	ALG	ALG00000	1	1	1 2 3 4 5 6 7 8 9 10	-2.20 8.45 3.02 -8.17 -1.22 9.45 5.80 11.83 9.42 3.00	36.10 36.90 36.78 27.70 24.30 24.30 19.55 23.58 30.22 19.92	5 25 350 440 820 1230 410 1000 325 655	K K E E E E E E E E	
6	ARG	ARG00000	1	1	1 2 3 4 5 6 7 8 9 10	-54.12 -53.63 -53.75 -63.82 -68.33 -73.48 -70.60 -68.28 -66.22 -62.83	-25.38 -26.25 -26.75 -54.72 -54.83 -49.92 -31.48 -24.47 -21.77 -22.12	187 53 45 61 12 3270 3852 3268 2143 103	P P P D D D D E E N	
7	ARG	ARGINSUL	1	1	1 2 3 4 5	-73.48 -65.85 -44.73 -34.62 -67.07	-49.92 -47.05 -60.73 -77.87 -68.13	3270 37 72 105 87	D D A A A	
8	ARS	ARS00000	1	1	1 2 3 4 5 6 7 8 9 10	34.42 37.00 39.33 48.50 50.25 56.00 55.17 46.67 42.80 39.17	28.08 31.50 32.33 28.33 26.33 22.17 20.00 16.08 16.33 21.50	10 300 850 10 10 70 100 940 10 10	E E E E E E E E E E	
9	ATG	ATGOIFRB	1	1	1	-61.80	17.00	0	N	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 5

1	2	3	4	5	6	7	8	9	10	11
10	AUS	AUS00001	1	1	1 2 3 4 5 6 7 8 9 10	142.22 153.02 151.22 144.97 147.32 138.60 115.85 114.07 130.82 115.15	-10.58 -27.47 -33.87 -37.22 -42.87 -34.92 -31.95 -21.55 -12.45 -34.37	58 0 0 0 0 0 0 0 0 0	P P P K F F K K P K	
11	AUS	AUS00002	1	1	1 2 3 4	159.07 167.97 163.55 163.40	-31.52 -29.07 -30.40 -29.40	0 0 0 0	M M M M	TRU
12	AUS	AUS00003	1	1	1 2 3 4	105.70 96.82 101.35 101.20	-10.50 -12.20 -11.75 -10.95	0 0 0 0	H H H H	
13	AUS	AUS00004	1	1	1	158.97	-54.47	0	A	
14	AUS	AUS00005	1	1	1	110.42	-66.27	0	A	
15	AUT	AUT00000	1	1	1 2 3 4 5 6 7	13.37 17.17 15.00 13.05 9.48 10.92 14.60	48.05 48.00 49.07 48.25 47.28 46.78 46.67	1764 134 500 353 1795 3260 1130	K K K K K K K	

IFRB CONFERENCE PREPARATION

OR B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 6

1	2	3	4	5	6	7	8	9	10	11
16	B	B 00001	1	1	1	-54.72 -60.20 -69.83 -73.97 -73.25 -60.68 -60.18 -58.32 -56.08 -55.33	2.45 5.12 1.68 -7.57 -9.33 -13.65 -16.25 -16.32 -15.58 -12.33	500 2772 180 280 260 300 200 100 170 500	P P P P P P N N P P	
17	B	B 00002	1	1	1	-54.72 -51.48 -46.10 -32.40 -34.93 -38.48 -39.32 -47.92 -55.33	2.45 4.38 -1.18 -3.83 -8.15 -12.98 -17.87 -15.77 -12.33	500 10 10 38 5 8 10 1000 500	P P P N N N N P P	IFU
18	B	B 00003	1	1	1	-55.33 -39.32 -47.92 -41.00 -53.38 -57.65 -53.87 -57.95 -58.32 -56.08	-12.33 -17.87 -15.77 -22.00 -33.77 -30.22 -27.10 -22.08 -16.32 -15.58	500 10 1000 10 22 35 200 100 100 170	P N P N N N N N P	
19	BAH	BAHOIFRB	1	1	1	-78.70 -77.00 -72.50 -72.90 -73.70 -79.40	27.67 26.67 22.83 20.67 20.67 25.67	0 0 0 0 0 0	N N N N N N	ORB

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 7

1	2	3	4	5	6	7	8	9	10	11
20	BDI	BDI00000	1	1	1	29.08	-4.82	2000	K	
					2	30.23	-4.82	1300	K	
					3	31.23	-2.93	1500	K	
					4	30.83	-1.97	1500	K	
					5	28.65	-2.28	1460	K	
21	BEL	BEL00000	1	1	1	2.53	51.10	0	E	
					2	5.83	51.17	40	E	
					3	5.83	49.55	400	E	
					4	4.12	50.87	35	E	
					5	5.15	50.13	165	E	
22	BEN	BEN00000	1	1	1	1.82	6.28	6	P	
					2	2.68	6.38	3	P	
					3	1.70	7.57	240	N	
					4	2.63	7.90	165	N	
					5	1.67	9.02	384	N	
					6	2.73	9.08	293	N	
					7	1.12	10.17	247	N	
					8	3.38	10.28	410	N	
					9	2.85	12.35	200	K	
					10	3.55	11.70	167	K	
23	BFA	BFA00000	1	1	1	0.00	15.00	0	E	
					2	2.20	12.00	0	K	
					3	-2.75	9.50	0	N	
					4	-5.50	10.33	0	N	
					5	-4.00	13.33	0	K	
					6	-1.90	14.50	0	K	
24	BGD	BGD00000	1	1	1	92.38	25.00	150	N	
					2	92.38	23.00	150	N	
					3	92.50	22.00	150	N	
					4	88.25	26.00	150	N	
					5	88.00	24.70	200	N	
					6	88.42	26.70	200	K	
					7	90.00	26.00	200	K	
					8	89.00	22.00	150	N	
					9	92.00	21.50	150	N	
					10	89.00	23.00	150	N	

IIFRB CONFERENCE PREPARATION



ORB

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 8

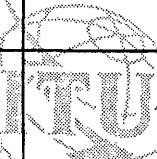
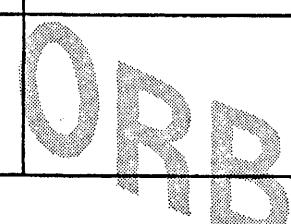
1	2	3	4	5	6	7	8	9	10	11
25	BHR	BHR00000	1	1	1	50.60	26.07	0	C	
26	BLZ	BLZ00000	1	1	1	-88.40	18.40	3	N	
					2	-88.20	17.52	0	N	
					3	-88.42	16.53	3	N	
					4	-88.82	16.10	4	N	
					5	-89.07	17.15	80	N	
					6	-88.77	17.13	15	N	
					7	-88.23	16.97	3	N	
27	BOL	BOL00000	1	1	1	-58.00	-20.00	180	P	
					2	-67.50	-22.67	4200	E	
					3	-68.00	-17.00	4000	E	
					4	-68.77	-11.00	260	P	
					5	-65.40	-10.82	170	P	
					6	-57.78	-18.00	255	P	
					7	-60.83	-14.00	180	P	
28	BOT	BOT00000	1	1	1	20.00	-22.17	1252	E	
					2	22.22	-18.25	997	E	
					3	25.17	-17.83	929	E	
					4	27.83	-20.83	1379	E	
					5	28.00	-23.00	790	E	
					6	25.75	-25.83	1292	E	
29	BRB	BRBOIFRB	1	1	1	-59.60	13.17	0	N	
30	BRM	BRMOIFRB	1	1	1	101.00	21.67	0	N	
					2	99.60	11.67	0	P	
					3	98.00	10.00	0	P	
					4	97.50	28.17	0	K	
					5	92.40	21.33	0	P	
31	BRU	BRUOIFRB	1	1	1	114.60	4.50	0	P	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 9

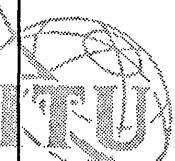
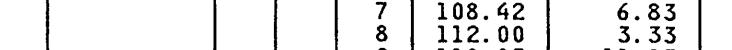
1	2	3	4	5	6	7	8	9	10	11
32	BUL	BUL00000	1	1	1 2 3 4 5 6 7 8 9 10	22.75 24.50 27.25 28.55 28.00 25.30 22.97 22.50 23.00 22.58	44.17 43.75 44.08 43.70 42.00 41.25 41.33 42.30 43.20 43.82	100 100 150 100 100 1400 1750 1000 1800 500	K K K K K K K K K K	
33	CAF	CAFOIFRB	1	1	1 2 3 4 5	15.50 14.60 16.10 27.50 22.50	7.50 6.00 2.83 5.00 11.00	0 0 0 0 0	N P P N K	
34	CAN	CANOEAST	1	1	1 2 3 4 5	-85.00 -65.00 -52.70 -65.00 -83.10	68.40 64.20 47.50 43.70 42.20	0 0 0 0 0	C C K K K	
35	CAN	CANOCENT	1	1	1 2 3 4 5	110.00 -85.00 -83.10 -89.20 110.00	71.20 68.40 42.20 48.40 49.00	0 0 0 0 0	A C K K E	
36	CAN	CANOWEST	1	1	1 2 3 4 5 6	141.00 110.00 110.00 123.40 132.10 140.90	69.00 71.20 49.00 48.40 53.30 62.40	0 0 0 0 0 0	A A E D D A	

IFRB CONFERENCE PREPARATION

O R B (2)

**BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION**

PAG. 10

1	2	3	4	5	6	7	8	9	10	11
37	CBG	CBG0IFRB	1	1	1 2 3 4 5 6	103.50 102.50 103.25 107.45 107.50 105.80	10.50 13.00 14.33 14.67 12.50 11.00	0 0 0 0 0 0	P P N N N N	
38	CHL	CHL00000	1	1	1 2 3 4 5 6 7 8 9 10	-69.42 -70.33 -67.03 109.43 -69.83 -70.92 -71.12 -68.43 -57.17 -75.00	-17.93 -18.38 -23.00 -27.17 -33.30 -38.72 -44.57 -52.35 -63.25 -70.00	4100 20 5760 50 6550 1758 950 10 20 100	C C C D E D D D A A	
39	CHN	CHN00001	1	1	1 2 3 4 5 6 7 8 9 10	135.03 123.62 86.88 73.63 101.75 108.08 109.20 115.80 120.95 130.53	48.42 53.53 49.17 39.08 21.10 21.55 21.45 24.47 27.35 42.57	50 1050 4500 3500 1250 46 11 597 84 415	K F E E N N N N K	
40	CHN	CHN00002	1	1	1 2 3 4 5 6 7 8 9 10	120.95 115.80 109.20 108.08 108.38 109.42 108.42 112.00 118.83 122.87	27.35 24.47 21.45 21.33 19.13 16.00 6.83 3.33 11.83 23.63	84 597 11 46 45 35 25 25 15 25	N N N N N N P P N N	 

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 11

1	2	3	4	5	6	7	8	9	10	11
41	CLM	CLM00000	1	1	1 2 3 4 5 6 7 8 9 10	-81.72 -81.35 -71.17 -70.67 -67.50 -66.83 -70.00 -73.00 -78.50 -77.22	12.55 13.32 12.00 7.00 6.20 1.33 -4.00 -2.17 1.58 8.50	5 100 1 100 100 100 100 100 1 1	P P N N P N P N N N	
42	CLN	CLN00000	1	1	1 2 3	80.08 79.83 80.08	6.85 6.93 8.50	30 3 3	N N N	IFRB
43	CME	CME00000	1	1	1 2 3 4 5	14.50 15.30 16.00 9.70 9.50	12.67 10.00 1.50 2.17 6.83	0 0 0 0 0	K N P P P	
44	COG	COGOIFRB	1	1	1 2 3 4 5 6	18.50 13.20 11.00 12.00 16.25 18.00	3.67 2.17 -3.67 5.00 -3.50 0.50	0 0 0 0 0 0	P P N N N P	
45	COM	COM0IFRB	1	1	1	44.10	-12.17	0	N	
46	CPV	CPVOIFRB	1	1	1	-24.10	16.00	0	E	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 12

1	2	3	4	5	6	7	8	9	10	11
47	CTI	CTI00000	1	1	1	-4.02 -7.47 -8.15 -7.52 -5.67 -3.28 -2.78 -3.67 -5.03 -6.45	5.32 4.97 8.42 10.53 10.33 9.67 8.05 6.72 7.67 6.88	20 557 706 382 587 364 371 201 364 280	P P N N N N N P N P	
48	CTR	CTR00000	1	1	1	-87.05 -85.50 -83.00 -82.80 -84.10	5.55 11.00 10.00 8.53 9.83	200 600 100 500 1300	P P P P P	IFRB
49	CUB	CUB00000	1	1	1	-76.42 -74.05 -75.00 -77.72 -83.00 -85.07 -84.12 -82.33 -80.60 -78.17	21.50 20.25 19.72 19.65 21.30 21.83 22.88 23.37 23.42 22.68	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	
50	CVA	CVA00000	1	1	1	12.50	41.88	0	K	
51	CYP	CYP00000	1	1	1	33.20	35.10	300	K	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 13

1	2	3	4	5	6	7	8	9	10	11	
52	D	D 00000	1	1	1 2 3 4 5 6 7 8 9 10	13.30 11.20 8.40 6.70 5.50 6.30 7.60 10.20 13.00 13.80	52.50 54.80 55.00 53.60 51.00 49.50 47.60 47.30 47.40 48.80	65 0 0 0 100 150 252 2649 2941 1378	E E E E E E H K K H		
53	DDR	DDR00000	1	1	1 2 3 4 5 6 7 8 9 10	13.43 10.92 10.78 9.88 10.72 12.30 14.32 14.77 14.43 13.53	54.57 53.95 52.83 50.63 50.22 50.18 49.37 50.82 53.27 52.42	46 23 80 550 310 759 150 400 20 40	E E E H H H H H E	IFRB	
54	DJI	DJ10IFRB	1	1	1	42.60	11.67	0	E		
55	DMA	DMA0IFRB	1	1	1	-61.30	15.33	0	N		
56	DNK	DNK00001	1	1	1 2 3 4 5 6 7 8 9 10	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E	ORB	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 14

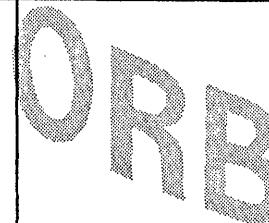
1	2	3	4	5	6	7	8	9	10	11
57	DNK	DNK00002	1	1	1 2 3 4 5 6 7 8 9 10	10.58 8.00 8.00 8.33 10.00 12.00 15.08 15.18 12.47 12.62	57.75 57.00 56.00 55.00 54.50 54.67 55.00 55.32 55.28 56.03	0 0 0 0 0 0 0 0 0 0	E E E E E E E E E E	
58	DNK	DNK00FAR	1	1	1 2 3 4 5	-6.25 -6.57 -7.22 -7.68 -6.67	62.35 62.38 62.30 62.10 61.38	0 0 0 0 0	G G G G G	IFRB
59	DNK	GRL00000	1	1	1 2 3 4	-21.85 -43.15 -51.58 -69.20	70.48 60.05 64.67 77.48	0 0 0 0	A G G A	
60	DOM	DOM0IFRB	1	1	1	-70.40	18.67	0	N	
61	E	CNR00000	1	1	1 2 3 4 5 6 7 8 9 10	-13.38 -14.02 -13.97 -14.32 -15.58 -16.13 -16.67 -17.98 -17.97 -18.08	29.22 28.72 28.22 28.03 27.72 28.58 27.98 28.77 27.63 27.72	50 60 120 40 50 380 70 150 50 50	E E E E E E E E E E	ORB

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 15

1	2	3	4	5	6	7	8	9	10	11
62	E	E 00002	1	1	1	-5.60 -2.17 3.33 4.32 -1.78 -7.67 -9.27 -8.85 -7.53 -7.37	36.00 36.72 42.32 39.78 43.38 43.78 42.92 41.88 39.67 37.18	50 30 70 100 50 50 30 60 150 60	K K K K E H H H K K	
63	EGY	EGY00000	1	1	1	34.20 34.80 36.00 34.00 25.00 25.40	31.33 29.50 23.17 21.67 22.00 32.00	0 0 0 0 0 0	E C A A A E	
64	EQA	EQA00000	1	1	1	-78.87 -76.28 -75.28 -75.22 -79.03 -80.38 -90.43 -91.42 -91.67 -90.78	1.40 0.43 -0.12 -0.95 -4.97 -4.47 -1.35 -1.00 -0.32 0.63	10 270 250 250 1300 280 40 60 20 20	P N N N N P N N N N	
65	ETH	ETH00000	1	1	1	38.57 37.05 33.02 36.00 39.88 44.97 48.00 42.92 41.72 43.12	18.00 17.05 8.00 4.43 3.38 4.92 8.00 10.98 11.78 12.73	100 500 200 400 800 100 700 500 800 100	C C K J J E E E E E	
66	E_F	AND00000	1	1	1	1.53	42.52	1100	K	

UNRR CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 16

1	2	3	4	5	6	7	8	9	10	11
67	F	ADL00000	1	1	1	140.02	-66.67	0	A	
68	F	F 00000	1	1	1	2.00	51.00	0	E	
					2	4.83	50.13	200	EE	
					3	8.25	48.97	250	HH	
					4	6.82	46.38	400	K	
					5	7.60	43.80	0	L	
					6	9.42	43.00	0	L	
					7	9.17	42.37	0	L	
					8	3.18	42.43	0	L	
					9	-1.78	43.33	0	E	
					10	-5.10	48.50	0	E	
69	F	GDL00000	1	1	1	-63.08	18.08	0	N	
					2	-62.83	17.88	0	N	
					3	-61.00	16.33	0	N	
					4	-61.72	16.00	0	N	
					5	-61.08	14.58	0	N	
70	F	GDL00002	1	1	1	-63.08	18.08	0	N	
					2	-62.83	17.88	0	N	
					3	-61.00	16.33	0	N	
					4	-61.72	16.00	0	N	
					5	-61.08	14.58	0	N	
71	F	GUF00000	1	1	1	-54.00	5.73	0	P	
					2	-54.00	3.45	100	P	
					3	-52.43	2.87	100	P	
					4	-51.90	4.42	0	P	
72	F	GUF00002	1	1	1	-54.00	5.73	0	P	
					2	-54.00	3.45	100	P	
					3	-52.43	2.87	100	P	
					4	-51.90	4.42	0	P	
73	F	KER00000	1	1	1	77.57	-37.78	0	F	
					2	68.85	-49.83	0	AA	
					3	70.23	-49.35	0	A	
					4	51.87	-46.43	0	D	

ORB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 17

1	2	3	4	5	6	7	8	9	10	11
74	F	MYT00000	1	1	1 2 3	-45.12 -45.25 -45.20	-12.78 -12.78 -12.90	0 0 0	N N N	
75	F	NCL00000	1	1	1 2 3 4	164.05 167.47 167.88 166.60	-20.20 -22.70 -21.57 -20.45	0 0 0 0	N N N N	
76	F	OCE00000	1	1	1 2 3	140.07 135.00 151.75	-8.92 -23.17 -16.50	0 0 0	N D D	
77	F	REU00000	1	1	1 2 3 4	55.40 55.00 55.75 56.08	-20.87 -21.03 -21.37 -21.12	0 0 0 0	N N N N	
78	F	REU00002	1	1	1 2 3 4	55.40 55.00 55.75 56.08	-20.87 -21.03 -21.37 -21.12	0 0 0 0	N N N N	
79	F	SPM00000	1	1	1 2 3	-56.38 -56.42 -56.18	47.10 46.82 46.78	0 0 0	K K K	
80	F	WAL00000	1	1	1 2 3 4	176.17 176.12 178.20 178.03	-13.22 -13.27 -14.25 -14.38	0 0 0 0	N N N N	
81	FJI	FJI0IFRB	1	1	1	178.50	-17.17	0	N	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 18

1	2	3	4	5	6	7	8	9	10	11
82	FNL	FNL00000	1	1	1	27.92	70.08	50	E	
					2	21.25	69.33	800	EE	
					3	20.67	69.05	500	EE	
					4	19.25	60.00	0	EE	
					5	20.28	59.47	0	EE	
					6	22.62	59.62	0	EE	
					7	27.47	60.23	0	EE	
					8	31.60	62.90	200	E	
					9	30.00	67.67	300	E	
					10	29.33	69.47	200	E	
83	G	ASCSTHTC	1	1	1	-14.37	-7.95	750	J	
					2	-5.72	-15.97	750	C	
					3	-12.50	-37.25	750	D	
84	G	BERCAYMS	1	1	1	-65.00	32.50	50	N	
					2	-81.25	19.33	100	N	
					3	-62.23	16.75	100	N	
					4	-64.33	18.38	100	N	
					5	-62.92	18.17	100	N	
85	G	CYPSBA00	1	1	1	32.95	34.58	50	K	
86	G	FLKSTGGL	1	1	1	-57.80	-51.70	350	D	
					2	-45.60	-60.72	10	D	
					3	-36.50	-54.28	350	A	
					4	-27.00	-59.50	1000	A	
					5	-26.00	-76.00	30	A	
					6	-69.00	-71.50	92	A	
					7	-60.57	-62.98	50	A	
87	G	G 00000	1	1	1	-0.90	60.83	0	G	
					2	-8.57	57.82	0	G	
					3	-7.25	55.08	0	G	
					4	-8.17	54.47	0	GG	
					5	-6.32	54.13	0	GG	
					6	-6.45	49.87	0	J	
					7	-2.03	49.17	0	EE	
					8	-1.07	50.68	0	EE	
					9	1.38	51.17	0	EE	
					10	1.73	52.62	0	E	

IFRB CONFERENCE PREPARATION

ORB

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 19

1	2	3	4	5	6	7	8	9	10	11
88	G	GIB00000	1	1	1	-5.35	36.15	330	K	
89	G	HKG00000	1	1	1	114.50	22.42	250	N	
90	G	PTC00000	1	1	1	130.10	-25.07	0	A	
91	GAB	GAB0IFRB	1	1	1	9.50	1.00	0	P	
					2	13.25	2.17	520	P	
					3	12.25	1.00	480	P	
					4	14.00	-2.33	580	N	
					5	11.00	-4.00	0	N	
					6	8.75	-0.67	0	N	
92	GHA	GHA00000	1	1	1	-0.38	11.17	183	P	
					2	0.73	8.28	549	P	
					3	1.20	6.12	3	P	
					4	-2.10	4.73	16	P	
					5	-3.12	5.12	0	P	
					6	-3.27	6.62	137	P	
					7	-2.63	8.12	275	P	
					8	-2.93	10.63	229	P	
					9	-2.83	11.00	229	P	
93	GMB	GMB00000	1	1	1	-16.40	13.40	20	K	
94	GNB	GNB0IFRB	1	1	1	-15.40	12.00	0	K	
95	GNE	GNE0IFRB	1	1	1	10.50	1.67	0	P	
96	GRC	GRC00000	1	1	1	19.37	39.88	0	L	
					2	20.50	37.75	0	L	
					3	24.12	34.80	0	K	
					4	29.62	36.13	0	K	
					5	28.22	36.45	0	K	
					6	26.63	41.33	50	L	
					7	26.35	41.72	100	L	
					8	24.25	41.67	1500	L	
					9	22.93	41.33	1800	L	
					10	21.98	40.85	850	L	
97	GRD	GRD0IFRB	1	1	1	-61.60	12.00	0	N	

0 R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 20

1	2	3	4	5	6	7	8	9	10	11
98	GTM	GTM00000	1	1	1 2 3 4 5 6 7 8 9 10	-89.15 -90.98 -91.43 -91.72 -92.20 -92.23 -91.07 -90.12 -89.15 -88.62	17.67 17.67 17.17 16.00 15.17 14.50 13.83 13.67 14.50 15.67	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	
99	GUI	GUI0IFRB	1	1	1 2 3 4 5	-15.00 -13.50 -9.00 -8.00 -9.00	11.00 12.67 12.50 10.17 7.17	0 0 0 0 0	N K K N P	TEU
100	GUY	GUY00000	1	1	1 2 3 4 5 6	-59.72 -57.13 -57.32 -58.83 -59.75 -61.25	8.25 6.00 3.33 1.25 3.33 5.92	0 0 0 0 0 0	P P P P P P	
101	HND	HND00000	1	1	1 2 3 4 5 6 7 8	-83.50 -83.00 -83.17 -85.77 -87.47 -89.33 -89.17 -88.33	17.45 15.50 15.00 13.75 12.92 14.43 15.08 16.22	40 40 0 800 0 2419 1200 10	P P P P P P P P	
102	HNG	HNG00000	1	1	1 2 3 4 5 6	22.90 20.80 17.40 16.10 18.10 21.00	48.00 48.60 48.10 46.80 45.70 46.20	100 400 100 320 105 100	K K K K K K	ORB

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 21

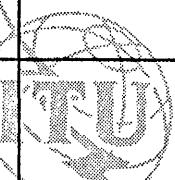
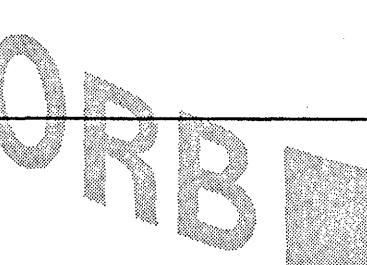
1	2	3	4	5	6	7	8	9	10	11
103	HOL	ABW00000	1	1	1 2 3 4 5 6 7 8 9	-70.17 -69.00 -67.92 -68.00 -69.00 -70.17 -68.28 -69.97 -68.98	12.33 12.67 12.00 12.50 11.67 12.83 12.10 12.48 12.17	0 0 0 0 0 0 1 1 1	N N N N N N N N N	
104	HOL	ATN00000	1	1	1 2 3 4 5 6 7 8 9 10	-63.00 -63.33 -63.25 -62.97 -62.75 -67.92 -68.00 -68.28 -68.98 -69.00	18.05 17.62 17.42 17.48 17.58 12.00 12.50 12.10 12.17 12.67	0 0 0 5 0 0 0 1 1 0	N N N N N N N N N N	
105	HOL	HOL00000	1	1	1 2 3 4 5 6 7 8 9 10	3.42 3.67 5.00 6.00 6.17 6.33 7.17 7.42 7.17 5.25	51.50 51.25 51.67 51.25 51.25 51.50 52.42 53.42 53.92 53.67	35 35 35 145 145 145 35 35 35 35	E E E E E E EE EE EE E	
106	HTI	HTI0IFRB	1	1	1	-73.00	18.83	0	N	

IFRB CONFERENCE PREPARATION

Q R B (2)

**BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION**

PAG. 22

1	2	3	4	5	6	7	8	9	10	11
107	I	I 00000	1	1	1	6.60 6.80 8.33 11.20 12.20 13.72 18.63 15.15 12.60 8.23	45.08 45.83 46.43 46.98 47.10 46.53 40.00 36.65 35.43 39.08	3070 4051 3067 2900 2911 1508 0 0 0 0	L L L K K K K K K K	
108	IND	IND00000	1	1	1	97.12 96.17 80.17 75.47 72.55 70.40 69.52 68.20 94.20 73.00	27.15 29.37 35.53 37.05 36.00 28.00 26.70 23.78 6.35 8.40	4000 5000 5000 5000 5000 200 500 200 200 200	N K K E E K K N P N	
109	INS	INS00000	1	1	1	92.17 95.50 104.00 109.00 118.00 129.92 140.83 141.00 120.00 100.00	3.83 7.83 1.33 7.33 4.17 6.67 1.00 -9.33 -14.00 -8.00	0 0 10 0 510 0 0 9 0 0	P P P P P P P P P P	
110	IRL	IRL00000	1	1	1	-7.30 -6.00 -10.30 -9.80 -6.20 -5.50 -9.70 -8.10	55.40 53.30 54.30 51.30 52.20 54.30 53.10 51.80	40 0 40 0 0 0 0 0	H H H H H H H H	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 23

1	2	3	4	5	6	7	8	9	10	11
111	IRN	IRN00000	1	1	1	48.07	30.50	25	E	
					2	61.10	36.65	280	EE	
					3	61.50	25.28	10	K	
					4	44.60	39.23	850	C	
					5	47.98	39.72	40	E	
					6	56.75	38.28	900	E	
					7	61.83	31.03	485	E	
					8	63.25	26.90	1040	E	
					9	55.05	25.85	10	E	
					10	45.40	33.97	120	C	
112	IRQ	IRQ00000	1	1	1	44.40	33.33	33	E	
					2	38.93	32.75	625	EE	
					3	42.08	36.80	545	E	
					4	44.77	37.17	1000	EE	
					5	46.33	35.80	1000	E	
					6	46.00	33.08	100	EE	
					7	47.87	31.80	100	EE	
					8	48.63	29.92	2	EE	
					9	44.55	29.23	200	EE	
					10	41.83	31.23	200	E	
113	ISL	ISL00000	1	1	1	-21.80	64.15	30	E	
					2	-22.40	65.05	30	G	
					3	-23.50	66.05	30	G	
					4	-20.30	65.65	20	EE	
					5	-18.10	65.70	30	E	
					6	-15.30	66.25	30	G	
					7	-14.40	65.25	30	GG	
					8	-15.20	64.25	30	GG	
					9	-19.05	63.40	20	GG	
					10	-19.55	64.85	600	G	
114	ISR	ISR00000	1	1	1	34.80	29.50	0	D	
					2	34.30	31.20	100	G	
					3	35.20	33.20	0	L	
					4	35.50	32.40	-125	K	
					5	35.30	31.30	-400	G	

IRNB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 24

1	2	3	4	5	6	7	8	9	10	11
115	J	J 00000	1	1	1	141.95 131.87 129.30 123.52 122.93 136.07 141.33 153.98 148.77	45.53 37.25 34.70 25.77 24.43 20.42 24.78 24.28 45.55	5 5 5 5 5 5 5 5 5	K K M N N N N D K	
116	JMC	JMC00000	1	1	1	-77.35 -77.83	17.87 18.50	0 0	N N	
117	JOR	JOR00000	1	1	1	35.83 35.08 36.00 35.00 39.00 38.00	32.00 29.50 32.60 32.00 32.50 30.50	0 0 0 0 0 0	E E E E E E	
118	KEN	KEN00000	1	1	1	41.90 41.60 39.20 33.90 34.00 36.40	3.83 -1.50 -4.67 -1.00 4.17 4.50	0 0 0 0 0 0	J J J K K J	
119	KIR	KIROIFRB	1	1	1	173.00	1.00	0	N	
120	KOR	KOR00000	1	1	1	126.27 131.87 125.12 129.12 127.85 127.48 126.92 124.72 127.23 128.42	33.10 37.33 34.08 35.08 36.43 36.12 37.52 37.97 38.30 38.50	34 20 40 20 180 156 40 20 250 10	M K K K K K K K K K	ORB

ORB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 25

1	2	3	4	5	6	7	8	9	10	11
121	KRE	KRE00000	1	1	1	124.67	38.13	90	K	
					2	126.58	37.77	30	K	
					3	128.37	38.63	29	K	
					4	130.68	42.28	13	K	
					5	129.97	43.00	74	K	
					6	126.93	41.80	335	K	
					7	124.18	39.80	70	M	
					8	123.50	38.50	15	M	
					9	125.83	38.92	36	K	
					10	132.50	40.20	10	M	
122	KWT	KWT00000	1	1	1	47.70	30.08	20	E	
					2	48.27	29.45	5	E	
					3	47.67	29.33	24	E	
					4	48.40	28.53	10	E	
					5	46.67	29.12	285	E	
					6	47.68	29.68	80	E	
					7	47.97	29.37	10	E	
					8	48.02	29.33	22	E	
					9	48.08	29.33	15	E	
					10	48.38	28.73	3	E	
123	LAO	LA00IFRB	1	1	1	100.50	20.50	0	N	
					2	102.00	22.50	0	N	
					3	104.50	20.00	0	N	
					4	101.00	17.50	0	N	
					5	105.83	14.00	0	N	
					6	107.50	14.67	0	N	
124	LBN	LBN00000	1	1	1	35.80	33.83	0	E	
125	LBR	LBR00000	1	1	1	-10.20	8.50	0	N	
					2	-8.60	7.50	0	P	
					3	-7.40	5.67	0	P	
					4	-7.60	4.50	0	P	
					5	-9.05	5.00	0	P	
					6	-11.50	6.83	0	N	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 26

1	2	3	4	5	6	7	8	9	10	11
126	LBY	LBY00000	1	1	1	25.00 24.87 23.95 17.38 12.53 10.08 9.92 11.50 15.08 21.73	31.80 26.43 18.78 21.72 22.70 24.90 30.33 33.05 32.40 32.60	168 257 834 1093 905 701 370 23 60 832	M M M M M M M M M M	
127	LIE	LIE00000	1	1	1	9.50	47.20	400	H	
128	LS0	LS00IFRB	1	1	1	28.40	-29.50	0	E	
129	LUX	LUX00000	1	1	1	6.37 6.52 6.02 5.73 5.80 6.02	49.45 49.85 50.18 49.90 49.53 49.45	145 160 536 425 270 420	E E E E E E	
130	MAU	MAU0IFRB	1	1	1	57.50	-20.17	0	N	
131	MCO	MCO00000	1	1	1	7.40	43.67	0	L	
132	MDG	MDG0IFRB	1	1	1	49.00 49.20 44.00 47.00 45.00 43.40	-12.17 -18.00 -17.00 -25.00 -25.67 -23.17	0 0 0 0 0 0	P P P N N N	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 27

1	2	3	4	5	6	7	8	9	10	11
133	MEX	MEX00000	1	1	1	115.45	32.67	2	E	
					2	110.33	24.15	10	E	
					3	110.95	18.72	20	N	
					4	-99.92	16.83	82	N	
					5	-95.42	14.72	2	N	
					6	-87.10	21.60	157	N	
					7	-96.13	19.20	14	N	
					8	-97.33	25.87	12	M	
					9	100.92	29.32	200	M	
					10	106.48	31.73	1144	E	
134	MLA	MLA00000	1	1	1	101.50	3.00	200	P	
					2	100.20	5.40	100	P	
					3	103.50	3.70	100	P	
					4	103.80	1.40	100	P	
					5	110.30	1.60	100	P	
					6	114.00	4.25	100	P	
					7	115.90	6.00	50	P	
					8	117.90	4.30	50	P	
135	MLD	MLD0IFRB	1	1	1	73.00	8.50	0	N	
					2	73.00	-3.50	0	N	
136	MLI	MLI0IFRB	1	1	1	-4.70	25.00	0	A	
					2	2.80	20.00	0	C	
					3	4.20	16.00	0	E	
					4	-12.00	15.00	0	K	
					5	-12.00	13.67	0	K	
					6	-8.30	11.00	0	N	
137	MLT	MLT00000	1	1	1	14.25	36.05	100	K	
					2	14.95	36.43	10	K	
					3	14.50	35.92	20	K	
					4	14.40	35.82	300	K	
					5	14.47	35.82	200	K	
					6	14.33	35.88	200	K	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 28

1	2	3	4	5	6	7	8	9	10	11
138	MNG	MNG00000	1	1	1 2 3 4 5 6	98.80 118.90 110.00 103.40 95.00 87.90	51.90 47.33 43.20 42.30 43.20 48.90	0 0 0 0 0 0	E F K C C E	
139	MOZ	MOZOIFRB	1	1	1 2 3 4 5	40.30 40.00 32.50 30.30 35.00	-10.67 -16.00 -26.67 -15.00 -11.67	0 0 0 0 0	N N K J J	
140	MRC	MRC00000	1	1	1 2 3 4 5 6 7 8 9 10	-5.90 -2.03 -1.30 -5.73 -9.63 -13.18 -15.93 -12.80 -9.57 -17.00	35.78 35.03 32.13 29.83 30.43 27.17 23.70 23.50 26.35 20.78	479 641 1588 1804 561 500 20 63 81 0	K K E E E E E E E E	
141	MTN	MTNOIFRB	1	1	1 2 3 4 5 6 7	-5.50 -12.00 -16.30 -8.40 -4.50 -16.80 -12.00	15.50 14.67 16.00 27.17 25.00 21.17 26.00	0 0 0 0 0 0 0	E K K C A E C	
142	MWI	MWI0IFRB	1	1	1 2 3 4 5 6	33.20 34.00 35.00 35.80 35.20 32.80	-9.50 -9.50 -11.67 -14.67 -17.17 -13.50	0 0 0 0 0 0	J J J J J J	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 29

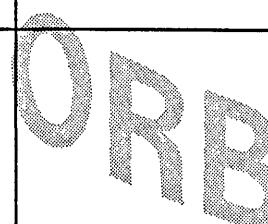
1	2	3	4	5	6	7	8	9	10	11
143	NCG	NCG0IFRB	1	1	1	-87.58 -86.75 -84.83 -83.30 -83.67 -85.82	13.00 13.67 14.83 15.00 10.83 11.00	0 0 0 0 0 0	P P P P P P	
144	NGR	NGROIFRB	1	1	1	0.00 4.20 12.00 15.60 13.00 3.50	15.00 19.00 23.50 20.00 13.50 11.67	0 0 0 0 0 0	E C A C E K	TRIIX
145	NIG	NIG00000	1	1	1	5.00 13.23 14.50 8.50 2.75 11.38 8.00 12.92 3.28 5.43	14.00 13.83 12.00 12.00 4.67 6.50 13.28 9.00 9.87 5.00	0 0 0 0 0 0 0 0 0 0	K E P N P P P P N N	
146	NMB	NMBOIFRB	1	1	1	25.00 19.00 15.00 12.00 21.00	-17.67 -29.00 -27.00 -17.00 -22.00	0 0 0 0 0	E C C E C	
147	NOR	NOR00000	1	1	1	0.50 7.60 5.17 4.40 11.63 16.00 31.37 29.08 16.33 12.83	58.92 57.90 58.17 61.68 67.45 78.00 70.40 69.05 67.07 61.37	200 0 0 30 0 0 50 0 0 0	G G G J G A C C G G	ORB

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 30

1	2	3	4	5	6	7	8	9	10	11
148	NPL	NPLOIFRB	1	1	1	80.20 82.00 88.00 88.00 83.00	28.67 30.00 27.83 26.50 27.50	0 0 0 0 0	K K K K K	
149	NRU	NRU0IFRB	1	1	1	166.90	-0.50	0	N	
150	NZL	NZL00001	1	1	1	172.68 178.55 176.23 176.42 167.42 166.43 171.17 172.67 173.75 166.77	-34.42 -37.68 -40.90 -43.83 -47.42 -45.90 -42.42 -40.50 -39.28 -77.85	30 90 30 20 0 60 5 0 10 30	K K K K K K K K K A	
151	NZL	NZL00002	1	1	1	158.07 163.18 159.78 157.68 163.20 169.92 172.52 171.85 171.25 172.80	-8.98 -13.28 -21.20 -19.87 -18.05 -19.05 -8.53 -9.20 -9.38 -13.50	0 0 0 0 0 60 0 0 0 0	N N D D D N N N N N	
152	OMA	OMA00000	1	1	1	53.08 51.88 52.00 58.00 55.00 60.00 55.17 55.75 56.75	16.67 18.50 19.00 19.00 20.00 22.50 22.75 25.00 26.67	75 600 150 0 100 0 100 300 0	C C C C C C C C C	

FRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 31

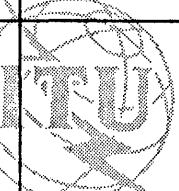
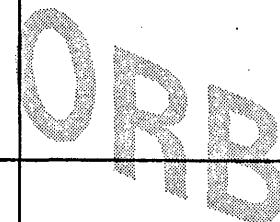
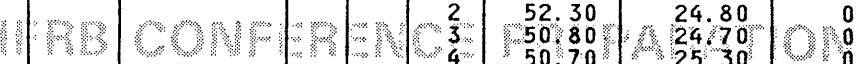
1	2	3	4	5	6	7	8	9	10	11
153	PAK	PAK00000	1	1	1	77.50	35.50	0	E	
					2	61.80	25.17	0	K	
					3	61.30	29.50	0	K	
					4	71.00	24.17	0	M	
					5	68.10	24.00	0	K	
					6	75.10	37.17	0	E	
					7	79.80	35.60	0	M	
					8	79.10	32.70	0	M	
					9	71.20	36.20	0	M	
					10	73.80	30.20	0	M	
154	PHL	PHL0IFRB	1	1	1	122.00	21.00	0	N	
					2	120.00	5.00	0	P	
					3	126.00	6.00	0	N	
					4	126.00	11.00	0	P	
					5	117.00	7.50	0	N	
					6	125.00	15.00	0	N	
155	PNG	PNG00000	1	1	1	150.00	-1.00	0	P	
					2	157.00	-7.00	0	P	
					3	154.00	-12.00	0	P	
					4	141.00	-9.17	0	P	
					5	141.00	-2.50	0	P	
156	PNR	PNR0IFRB	1	1	1	-82.83	9.50	0	P	
					2	-77.60	9.50	0	P	
					3	-77.88	7.17	0	P	
					4	-81.88	7.00	0	N	
					5	-83.00	8.17	0	P	
157	POL	POL00000	1	1	1	14.23	53.92	25	E	
					2	14.05	52.83	75	H	
					3	14.83	50.88	150	H	
					4	16.68	50.12	500	H	
					5	19.92	49.27	2000	H	
					6	22.83	49.05	800	H	
					7	24.05	50.50	200	H	
					8	23.93	52.73	200	H	
					9	23.32	54.25	200	HEE	
					10	18.33	54.83	50	E	

IFRB CONFERENCE PREPARATION

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 32

1	2	3	4	5	6	7	8	9	10	11
158	POR	AZR00000	1	1	1	-25.67 -27.08 -31.17	37.78 38.75 39.42	200 60 900	F F F	
159	POR	MAC00000	1	1	1	113.57	22.17	0	N	
160	POR	MDR00000	1	1	1	-16.93 -16.05 -16.28	32.65 30.03 33.12	210 50 100	H H H	
161	POR	POR00000	1	1	1	-8.85 -6.75 -7.42 -7.93 -9.27 -8.58 -8.93	41.87 41.82 37.20 37.02 38.87 41.15 37.02	30 690 20 20 180 200 20	H K K K K K K	
162	PRG	PRG00000	1	1	1	-62.75 -62.00 -58.72 -54.45 -55.00 -58.30	-22.33 -19.65 -19.33 -23.83 -26.83 -27.17	0 0 0 0 0 0	N P P P P P	
163	PRU	PRU00000	1	1	1	-70.38 -69.00 -70.48 -73.98 -70.05 -75.22 -80.32 -81.33 -81.17 -76.12	-18.35 -12.30 -9.43 -7.58 -2.75 -0.03 -3.40 -4.43 -6.08 -13.45	200 365 365 365 365 365 15 15 15 15	E N N N N N P P P N	
164	QAT	QAT00000	1	1	1	51.10 52.30 50.80 50.70	26.20 24.80 24.70 25.30	0 0 0 0	A A A A	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT ALLOTMENT PLAN REQUIREMENTS NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 33

1	2	3	4	5	6	7	8	9	10	11
165	ROU	ROU00000	1	1	1	26.67 29.00 30.75 28.58 25.00 21.00 19.33 21.00 23.00 25.00	48.25 47.67 46.00 43.83 43.50 44.00 46.00 47.67 48.17 48.25	200 100 0 0 200 700 100 150 200 200	K K K K K K K K K K	
166	RRW	RRW0IFRB	1	1	1	30.00	-2.00	0	K	
167	S	S 00000	1	1	1	12.80 14.20 19.00 19.63 24.13 23.08 20.07 14.52 11.97 10.97	55.37 55.38 57.43 59.62 65.67 68.30 69.05 300 300 1100 1100 0	3 3 0 0 0 300 300 1100 1100 0	E E E E C C C C E G	
168	SCN	SCN0IFRB	1	1	1	-62.90	17.33	0	N	
169	SDN	SDN00001	1	1	1	32.50 35.00 36.00 33.00 28.20 23.50 22.00	15.70 12.00 4.67 3.67 4.20 8.67 13.00	300 1200 500 1500 1000 1500 1500	E E J K NN K	
170	SDN	SDN00002	1	1	1	32.50 35.00 22.00 38.50 35.50 25.00	15.70 12.00 13.00 18.00 23.00 22.00	300 1200 1500 0 0 0	E E K C A A	
	RRB	CONFERENCE				P R I M A R Y	A S S E S S M E N T			

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
 ALLOTMENT PLAN REQUIREMENTS
 NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 34

1	2	3	4	5	6	7	8	9	10	11
171	SEN	SEN00000	1	1	1	-11.30 -12.30 -13.30 -15.00 -16.30 -16.60 -16.40 -16.30 -14.30 -13.00	12.30 14.00 16.15 16.30 16.00 14.50 13.00 12.15 12.30 12.20	125 174 12 5 16 105 25 13 52 100	K K K K N K K K N N	
172	SEY	SEYOIFRB	1	1	1	55.40	-4.50	0	N	
173	SLM	SLMOIFRB	1	1	1	162.50 160.80 156.20 155.50	-11.00 -8.00 -6.50 -7.50	0 0 0 0	P P P P	
174	SLV	SLVOIFRB	1	1	1	-89.00	13.67	0	P	
175	SMR	SMR00000	1	1	1	12.45 12.52 12.45 12.40 12.40 12.45 12.52	43.91 43.91 43.97 43.95 43.92 43.88 43.98	750 300 100 40 40 400 0	K K K K K K K	
176	SNG	SNG00000	1	1	1	103.85	1.28	3	P	
177	SOM	SOMOIFRB	1	1	1	43.20 51.00 50.00 47.00 41.50 41.00	11.17 12.00 8.00 3.00 -2.00 3.00	0 0 0 0 0 0	E E E E J J	
178	SRL	SRLOIFRB	1	1	1	-11.90	8.50	0	N	
179	STP	STPOIFRB	1	1	1	7.00	1.00	0	N	

O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 35

1	2	3	4	5	6	7	8	9	10	11
180	SUI	SUI00000	1	1	1	6.00	46.10	400	H	
					2	6.90	47.30	400	H	
					3	8.50	47.80	400	H	
					4	10.40	46.90	400	H	
					5	9.00	45.70	400	K	
					6	7.10	45.90	400	H	
181	SUR	SUR0IFRB	1	1	1	-56.92	5.83	0	P	
					2	-53.95	5.67	0	P	
					3	-53.95	3.67	0	P	
					4	-54.33	2.17	0	P	
					5	-56.00	1.67	0	P	
					6	-58.12	4.00	0	P	
182	SWZ	SWZ00000	1	1	1	31.18	-26.87	375	K	
					2	31.25	-26.67	375	K	
					3	31.40	-25.83	375	K	
183	SYR	SYR00000	1	1	1	42.25	37.25	400	E	
					2	41.25	34.75	200	E	
					3	38.30	36.85	600	K	
					4	35.70	32.65	40	K	
					5	36.00	33.60	1000	E	
					6	40.10	33.50	600	E	
					7	35.50	35.70	30	E	
					8	30.80	34.90	10	E	
184	TCD	TCDOIFRB	1	1	1	13.50	14.50	0	E	
					2	16.00	23.50	0	A	
					3	24.00	19.50	0	C	
					4	15.50	7.50	0	N	
					5	22.80	11.00	0	K	
					6	20.00	21.50	0	A	

IFRB CONFERENCE PREPARATION

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 36

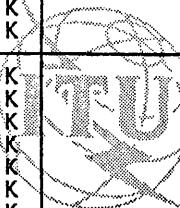
1	2	3	4	5	6	7	8	9	10	11
185	TCH	TCH00000	1	1	1 2 3 4 5 6 7 8 9 10	12.12 14.32 15.17 17.72 22.00 22.57 22.13 17.73 13.82 12.67	50.32 51.05 51.03 50.32 49.28 49.07 48.37 47.73 48.77 49.37	573 512 405 240 690 1214 103 112 1320 500	H H H H K K K K H H	
186	TGO	TG000000	1	1	1 2 3 4 5 6	1.20 0.50 -0.20 0.70 1.70 1.90	6.00 6.83 11.00 11.00 9.17 6.17	0 0 0 0 0 0	P P K K N N	IFRB
187	THA	THA00000	1	1	1 2 3 4 5 6	99.50 97.30 97.80 101.60 105.40 103.70	20.50 18.50 7.40 5.50 14.30 18.60	0 0 0 0 0 0	N P P P N N	
188	TON	TON01FRB	1	1	1	175.17	-21.17	0	N	
189	TRD	TRD00000	1	1	1 2 3 4 5 6	-61.03 -61.50 -61.52 -61.57 -61.13 -60.73	10.68 10.67 10.65 10.73 10.35 11.18	40 354 3 241 10 38	N N N N N N	

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O R B (2)

BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 37

1	2	3	4	5	6	7	8	9	10	11
190	TUN	TUN00000	1	1	1 2 3 4 5 6 7 8 9 10	8.50 11.15 7.30 12.30 11.35 9.32 8.10 8.30 9.70 10.53	37.35 37.15 34.00 34.30 33.15 29.50 32.30 36.50 36.87 36.90	0 0 0 0 0 0 0 0 0 0	K K K K E E K K K K	
191	TUR	TUR00000	1	1	1 2 3 4 5 6 7 8 9 10	44.80 44.78 41.57 40.22 36.68 36.12 31.80 29.03 26.37 25.68	39.67 37.28 41.50 37.92 27.37 35.93 41.45 41.08 41.77 40.13	700 2500 50 650 200 50 10 50 150 500	K K K K K K K K L L	
192	TUV	TUV00000	1	1	1 2	179.07 179.25	-8.60 -8.40	0 0	N N	
193	TZA	TZA0IFRB	1	1	1 2 3 4 5 6	30.50 34.00 40.00 40.00 35.00 29.75	-1.00 -1.00 -5.00 -10.50 -11.50 -5.00	0 0 0 0 0 0	K K J J J K	

IFRB CONFERENCE PREPARATION

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 38

1	2	3	4	5	6	7	8	9	10	11
194	UAE	UAE00000	1	1	1	53.25	25.50	0	C	
					2	50.80	24.50	120	C	
					3	51.90	23.00	100	C	
					4	55.12	22.45	150	C	
					5	56.10	24.08	450	C	
					6	56.38	25.00	0	C	
					7	56.60	25.60	0	C	
					8	56.18	26.08	900	C	
					9	55.03	25.87	0	C	
					10	54.35	25.47	0	C	
195	UGA	UGAOIFRB	1	1	1	34.00	4.00	0	K	
					2	31.20	3.67	0	K	
					3	30.00	0.67	0	K	
					4	29.80	-1.17	0	K	
					5	33.80	-1.00	0	K	
					6	34.60	1.17	0	K	
196	URG	URG00000	1	1	1	-56.13	-34.80	47	K	
					2	-57.83	-34.47	6	K	
					3	-58.30	-33.12	8	K	
					4	-57.95	-31.38	46	K	
					5	-57.60	-36.27	66	K	
					6	-57.45	-30.43	126	K	
					7	-55.53	-30.90	146	K	
					8	-53.38	-32.60	4	K	
					9	-53.47	-33.70	15	K	
					10	-54.97	-34.90	22	K	
197	URS	URS00001	1	1	1	30.50	69.60	200	E	
					2	19.60	54.80	0	E	
					3	22.00	48.50	200	H	
					4	29.60	45.20	200	H	
					5	48.90	38.40	100	K	
					6	62.00	35.00	500	EE	
					7	75.00	37.00	3000	EE	
					8	92.50	56.00	500	AA	
					9	79.00	72.00	100	A	
			10			60.00	70.00	100		

IEFB CONFERENCE PREPARATION

ORB

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
ALLOTMENT PLAN REQUIREMENTS
NECESIDADES PARA EL PLAN DE ADJUDICACION

PAG. 39

1	2	3	4	5	6	7	8	9	10	11
198	URS	URS00002	1	1	1	129.50	62.30	200	C F K E E E A A A	
					2	135.80	48.40	300		
					3	132.00	41.00	200		
					4	108.00	50.00	500		
					5	83.00	47.00	500		
					6	69.10	41.30	600		
					7	37.50	55.70	200		
					8	60.00	70.00	100		
					9	79.00	72.00	100		
					10	110.50	73.00	200		
199	URS	URS00003	1	1	1	170.00	66.00	200	A A A A A E E K K C	
					2	168.30	70.00	200		
					3	149.50	70.80	100		
					4	129.00	71.00	200		
					5	110.50	73.00	200		
					6	92.50	56.00	500		
					7	104.30	52.30	200		
					8	132.00	41.00	200		
					9	150.00	46.00	200		
					10	168.00	54.40	200		
200	USA	ALS00000	1	1	1	156.08	71.50	0	A A C C D D D A A C	
					2	166.50	69.00	0		
					3	169.00	66.00	0		
					4	172.00	63.83	0		
					5	172.00	54.00	0		
					6	176.00	51.50	0		
					7	130.00	54.50	0		
					8	141.00	69.83	0		
					9	149.00	70.75	0		
					10	133.83	60.00	0		

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1	2	3	4	5	6	7	8	9	10	11
201	USA	CAR00000	1	1	1	132.00 130.50 130.50 141.00 155.00 168.50 170.00 168.00 155.00 140.00	8.00 5.00 2.50 0.00 0.00 0.00 5.00 11.50 3.00 3.00	0 0 0 0 0 0 0 0 0 0	P P P P P N P N P P	
202	USA	GUMMRA00	1	1	1	145.00 143.00 142.00 143.00 144.00 146.00 147.00 148.00 149.00 148.00	21.50 20.00 17.50 15.00 13.50 12.00 12.00 15.00 17.50 20.00	0 0 0 0 0 0 0 0 0 0	N N N N N N N N N N	IFRB
203	USA	HWA00000	1	1	1	160.50 159.50 158.00 156.42 154.75 155.75 158.00	22.00 22.25 21.83 21.00 19.50 18.50 21.25	0 0 0 0 0 0 0	P P P P P P P	
204	USA	HWL00000	1	1	1	176.58	0.08	0	N	IFRB
205	USA	JAR00000	1	1	1	160.00	-0.38	0	N	IFRB
206	USA	JON00000	1	1	1	168.50	17.00	0	D	IFRB
207	USA	MDW00000	1	1	1	177.42	28.22	0	D	IFRB

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1	2	3	4	5	6	7	8	9	10	11
208	USA	MRL00000	1	1	1	175.00 172.00 171.00 170.92 172.00 175.33 177.00 178.50 179.50 178.00	15.00 14.00 11.50 9.00 5.50 3.00 2.75 4.00 8.00 12.00	0 0 0 0 0 0 0 0 0 0	D N N N P P P P P N	
209	USA	PLM00000	1	1	1	161.42	7.00	0	N	
210	USA	SMA00000	1	1	1	170.70	-14.22	0	D	
211	USA	USAVIRPT	1	1	1	123.00 124.75 124.33 120.00 117.33 -97.33 -64.50 -67.00 -68.33 -95.25	47.00 48.42 40.50 34.50 32.83 25.00 17.75 44.83 47.33 49.42	0 0 0 0 0 0 0 0 0 0	D D D E E M N K K	
212	USA	WAK00000	1	1	1	166.50	19.20	0	D	
213	VCT	VCT0IFRB	1	1	1	-61.10	13.17	0	N	
214	VEN	VEN00001	1	1	1	-70.90 -72.87 -72.37 -67.70 -67.88 -65.32 -62.67 -60.67 59.83 -61.92	12.45 10.43 7.43 5.47 2.83 0.67 3.67 4.92 8.13 10.70	0 2000 2000 100 100 500 500 100 0 200	N N N P P P P P P N	ORB
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1	2	3	4	5	6	7	8	9	10	11
215	VEN	VEN00002	1	1	1	-63.62	15.67	0	N	
216	VTN	VTN00000	1	1	1	102.15	22.40	1700	N	
					2	105.30	23.20	2000	N	
					3	108.00	21.50	0	N	
					4	112.00	16.55	0	N	
					5	117.33	10.87	0	N	
					6	111.92	8.67	0	P	
					7	113.70	6.28	5	P	
					8	103.45	9.25	5	P	
					9	109.15	15.38	5	N	
					10	104.00	19.40	100	N	
217	VUT	VUTOIFRB	1	1	1	166.50	-14.67	0	P	
					2	169.80	-20.00	0	N	
					3	167.50	-18.00	0	P	
					4	168.00	-15.50	0	P	
218	YEM	YEM0IFRB	1	1	1	42.60	15.17	0	E	
					2	42.60	16.50	0	C	
					3	44.00	17.40	0	C	
					4	43.50	12.67	0	E	
					5	46.20	16.83	0	C	
					6	46.20	15.50	0	C	
219	YMS	YMS00000	1	1	1	45.00	12.75	250	E	
					2	43.47	12.67	70	E	
					3	43.82	13.12	864	E	
					4	44.53	13.67	1400	E	
					5	45.52	14.83	1196	E	
					6	48.50	17.50	1000	C	
					7	51.50	18.00	600	C	
					8	52.37	17.00	1000	C	
					9	53.80	12.50	1000	E	
					10	54.50	12.58	500	E	

IFRB CONFERENCE PREPARATION

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BESOINS POUR LE PLAN D'ALLOTISSEMENT
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PAG. 43

1	2	3	4	5	6	7	8	9	10	11	
220	YUG	YUG00000	1	1	1	13.40 21.00 20.10 16.10 22.70 23.00	46.40 40.60 46.30 42.90 44.50 43.10	640 900 80 0 60 1300	K L K K K K		
221	ZAI	ZAI0IFRB	1	1	1	19.50 31.50 12.00 22.10 29.80 30.70 30.83 29.60	5.00 2.17 -5.50 -11.00 -13.50 -8.17 3.67 4.60	0 0 0 0 0 0 0 0	P K K K J J K K	IFRB	
222	ZMB	ZMBOIFRB	1	1	1	28.70 33.00 33.00 25.50 22.00 22.00 22.00	-8.50 -9.50 -13.67 -17.50 -16.50 -13.00 -16.00	0 0 0 0 0 0 0	K J J J E J J		
223	ZWE	ZWE00000	1	1	1	30.98	-17.47	1190	K		

IFRB CONFERENCE PREPARATION

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 231-E
9 September 1988
Original: English

WORKING GROUP 6-B

REPORT OF THE CHAIRMAN OF THE WORKING GROUP 6-B AD HOC 2 TO THE WORKING GROUP 6-B

In accordance with its terms of reference Working Group 6-B ad hoc 2, consisting of seven representatives of six administrations and an international organization, considered the text of paragraphs 3 and 4 of Document DT/19(Rev.1). It was unanimously agreed to modify the text of paragraph 3, add two new paragraphs 3a and 3b and delete paragraph 4. These modifications are reproduced in the annex. The Group also gave some consideration to the title of Document DT/19(Rev.1) and is proposing a modification which is also reproduced in the annex.

F.K. WILLIAMS
Chairman of the Working Group 6-B ad hoc 2

Annex: 1

ANNEX

Title to read:

PRINCIPLE OF COORDINATION AND NOTIFICATION OF
SATELLITE SYSTEMS ON A NETWORK BASIS

Paragraph 3 to read:

3. Specific earth stations have to be coordinated under RR 1060 with other satellite networks if the actual values of their parameters cause interference exceeding the interference level produced by the typical earth stations which have been coordinated.

Add paragraphs 3a and 3b as follows:

3a. In the frequency bands not allocated with equal rights to space and terrestrial radiocommunication services, an administration intending to bring into use earth stations may notify them in accordance with Article 13 either as specific earth stations at fixed locations or as a typical earth station within a specified area.

3b. In frequency bands allocated with equal rights to space and terrestrial radiocommunication services, an administration intending to bring into use earth stations may notify them in accordance with Article 13 as specific earth stations at fixed locations on any part of its territory after any necessary coordination. Alternatively, the administration may notify a typical earth station within a specified area provided that the coordination contour associated with this area, calculated in accordance with paragraph 7 of Appendix 28(Rev.), does not overlap the territory of another country.

Delete paragraph 4

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Corrigendum 1 to
Document 232-E
10 September 1988

WORKING GROUP 6-B

FIRST REPORT OF WORKING GROUP 6-B AD HOC 1
TO WORKING GROUP 6-B

In paragraph 2, amend the last sentence, to read:

"Appendix 4 would provide the basis for the advance publication".

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 232-E
9 September 1988
Original: English

Source: Document DL/17

WORKING GROUP 6-B

FIRST REPORT OF WORKING GROUP 6-B AD HOC 1 TO WORKING GROUP 6-B

The Working Group 6-B ad hoc 1 held its first meeting on 6 September 1988, with the participation of 20 delegates and observers representing 14 administrations and an international organization.

The meeting gave initial consideration to Document 147, which is a note from the Chairman of the Working Group of the Plenary to Committee 6. The ad hoc Group concluded that at this point of time, only tentative and partial replies can be offered to some of the questions appearing in the annex to Document 147.

1. Question 1: Will Appendices 3 and 4 to the Radio Regulations be merged?

Working Group 6-B ad hoc 1 comments:

It appeared that so far only three administrations (Japan, Document 53, Annex 2-1, Canada, Proposals CAN/60/250 to CAN/60/264 and Luxembourg, Proposal LUX/127/1) had made explicit proposals for the merging of AP3 and AP4. On the other hand, there seemed to be a majority among the restricted number of participants in the Group in favour of retaining the current concept of separate appendices, subject to any amendments that may ensue from the examination of various proposals relating to each of these appendices. With this in mind, Working Group 6-B ad hoc 1 agreed to pursue its deliberations, based on the detailed proposals for an amended AP3 as had been presented by France (Proposal F/23/1) and the United States (Proposals USA/56/16 to USA/56/19). The Group will therefore continue its work on the assumption that there will be a separate AP3 and AP4.

2. Question 3: ... What functions would they (AP3 and AP4) serve in the Improved Procedures and Simplified Procedures and to what extent would they be used?

Working Group 6-B ad hoc 1 comments:

Appendix 3 would serve to implement network coordination and notification provisions of Articles 11 (Sections II and III) and 13. Amendments are also proposed to introduce the notion of typical earth station(s).

Appendix 4 would provide the basis for the advance publication, possibly amended to permit the application of the Appendix 29 method with a view to determine which other "existing" geostationary-satellite networks might be affected.

3. Question 4: ... [What are] the principles of coordination at network level and the use of typical earth stations?

Working Group 6-B ad hoc 1 comments:

It appears that the subject has been addressed in Document DT/19(Rev.1), presently being examined by Working Group 6-B.

4. Question 5: To be advised on the expression of views concerning amendments to AP3 and AP4 to the Radio Regulations as given in Documents 22 and 23.

Working Group 6-B ad hoc 1 comments:

In fact, the Group is obliged to study all proposals related to AP3 and AP4 amendments, in particular those contained in Documents 22, 23, 49, 53, 56, 60, 77, 91, 92 and 127, also bearing in mind the reports originating from the CCIR (Document 3) and the IFRB (Documents 18 and 68). Certain uncertainties prevailed regarding the division of responsibilities for the specification of data elements. A close collaboration and coordination between the Working Group of the Plenary and Committee 6 should be established.

J. CHRISTENSEN
Chairman of Working Group 6-B ad hoc 1

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 233-E
9 September 1988
Original: English

COMMITTEE 5

SECOND REPORT OF WORKING GROUP 5-B TO COMMITTEE 5

The Working Group has held four meetings so far.

1. Appendix 30A

With the help of the Secretariat and the Chairman of Sub-Working Group 5-B-1 a working document (DL/5) was established which compiles the text in force, the IFRB Rules of procedure (as contained in Document 18) and the proposals from administrations. Sub-Working Group 5-B-1 will use it as a basis for its work on Appendix 30A.

2. RR 480 (agenda item 15)

After extensive discussion the Working Group proposes to the Conference to replace the existing RR 480 by the text elaborated by the RARC BC-R2(2)-88 as contained in Document 14.

France reserved its position on this conclusion.

3. Considerations of possible corrections of minor errors in the revision of Appendix 30 (agenda item 8)

Document 135 from Argentina disputes the competence of the Conference to carry-out even small corrections to Appendix 30. Some administrations seem to share this view and others do not. In order to get the work started, Sub-Working Group 5-B-1 was instructed to proceed as follows:

- Sub-Working Group 5-B-1 should start its work by studying the application of Appendix 30 and by identifying the issues of concern using the Documents 18, 9 and all relevant input documents from the individual administrations (ref. Agenda Working Group 5-B/4);
- for each item, the Sub-Working Group should try to find a solution, which do not imply a modification to the Radio Regulations;
- the Sub-Working Group should report back to this Group what issues could have been solved by their approach.

This course of action was unanimously adopted. However, Argentina put forward the following declaration for inclusion in this report:

"The Argentine Delegation reminds this Group of Document 135 which states that the Conference is not competent to modify Appendix 30. The subjects which Working Group 5-B wishes to be identified by Sub-Working Group 5-B-1 should therefore be considered, and only decision be taken that do not imply modifications to Appendix 30."

Some administrations supported that statement by the Argentine Delegation and other expressed misgivings on the subject.

United Kingdom reserved its position with respect to any suggestion that the Conference may not be competent to adapt changes to Appendix 30 in order to correct minor errors in accordance with agenda item 8.

4. Resolution 505 (agenda item 9)

It was concluded to use Document 40 as a basis for the future work in Sub-Working Group 5-B-2. One administration proposed a change to Article 8 (by footnote) in order to be able to carry out experiments between 1 517 and 1 521 MHz. All administrations agree that the actual allocation for BSS (sound) should be deferred to a competent WARC to be held in the early 90s and that the Plenipotentiary Conference 1989 should be invited to decide on the convening of a WARC which deals with allocation questions in the frequency range 0.5 - 3 GHz. The precise text will be established by Sub-Working Group 5-B-2.

For technical reasons a band above about 2 GHz seems very difficult to be used. Because of severe sharing constraints, however, the CCIR will be invited to consider the full range from 0.5 - 3 GHz both to determine technical feasibility and to define sharing constraints.

The establishment of appropriate texts for the pertinent Resolutions or Recommendations has been entrusted to Sub-Working Group 5-B-2 which should also take into account the question of feeder links.

5. Possible future allocation for BSS (HDTV) (agenda item 11)

There was general agreement that, compared to Regions 2 and 3, Region 1 should be given the same or a similar potential for developing an HDTV service by broadcasting satellite.

The Working Group agreed to use Document 42 as a starting point for further work in Sub-Working Group 5-B-2. This document stipulates the frequency range 11.7 - 23 GHz for further considerations but indicates also the possibility to identify specific bands. An agreement is still sought as to whether the Conference should specify specific bands or just indicate a frequency range for further considerations by a future competent conference.

All administrations expressed the view that in principle a world-wide allocation would be desirable (although this was not considered essential by some administrations) for frequencies around 20 GHz where interregional sharing would be less of a problem.

Sub-Working Group 5-B-2 was entrusted to work out acceptable texts for Resolutions or Recommendations to be addressed to the Plenipotentiary Conference 1989, inviting the CCIR to carry-out further technical studies in this field.

The texts should also take into account the question of feeder links.

C. DOSCH
Chairman of Working Group 5-B

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Document 234-E
10 September 1988
Original: English

Source: Documents DL/10, DL/13, 222, 229

WORKING GROUP 6-B

FIRST REPORT OF THE CHAIRMAN OF SUB-WORKING GROUP 6-B-1 TO WORKING GROUP 6-B

Sub-Working Group 6-B-1 has held seven meetings during which a general presentation of all proposals relating to the provisions of Article 11 was carried out initially.

Following the consideration of the detailed proposals also bearing in mind the Report of the First Session and the guidelines drawn up therein as well as the Report prepared by the IFRB (Document 18), the Sub-Working Group reached conclusions on the provisions of Article 11, Section I and is proposing the modification as presented in the annex.

L. SONESSON
Chairman of Sub-Working Group 6-B-1

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 Stations¹

NOC Section I. Procedures for the Advance Publication of Information on [Planned] Satellite Networks²

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 establish bring into use a satellite network within a satellite system having to use the frequency bands other than those 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]¹ years and preferably not later than two years before the date of bringing into service each satellite network of the planned system the information listed in Appendix [4].

MOD 1043 (2) [Any] [All] amendments to the information sent concerning a [planned] satellite system in accordance with No. 1042 shall also be sent to the Board as soon as they become available. [Should the Board conclude that the modifications which are of such a nature as to significantly change the character of the network may require then the Board shall advise the administration concerned to recommend 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.

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

ADD 1042.1 1 See also MOD 1550.

MOD 1044

(3) The Board shall publish the information 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.

MOD 1045

(4) If the information is found to be incomplete, the Board shall publish it under No. 1044 and immediately seek, from the administration concerned, any clarification and information not provided. In such cases, the period of four months specified in No. 1047 shall count from the date of publication, under No. 1044, of the complete information.

NOC 1046

Comments on published information

USA/222/1

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 its existing or planned satellite network space radiocommunication services, it shall, within four months after the date of the weekly circular containing publishing the complete information listed in Appendix [4], send its comments on the particulars of the potential for interference to its existing or planned satellite systems space system 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.

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

1049

§ 3. (1) An administration receiving comments sent in accordance with No. 1047 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 systems involved in order to provide for the normal operation of both the planned and existing systems. networks.
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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 235-E
12 September 1988
Original: French

COMMITTEE 4

Republic of Côte d'Ivoire

PROPOSALS FOR THE WORK OF THE CONFERENCE

CONSIDERATION OF SUBREGIONAL SYSTEMS BY MEANS OF PROCEDURES ASSOCIATED WITH THE ALLOTMENT PLAN

At the Plenary Meeting of 8 September 1988, the Conference confirmed the decision taken by Committee 4 not to include subregional systems in the Allotment Plan and to deal with them within the framework of associated procedures in accordance with section 3.3.4.1 of the Report of the First Session.

This same report states that "If a group of administrations decides to combine all or part of their allotments in order to provide a subregional service, this should be made through the procedure for modification of the Plan referred to in paragraph 4 a) so that the subregional use will become part of the Plan and be protected as such" (Note 6, page 74).

To ensure consistency with the Conference decision mentioned above, the Côte d'Ivoire proposes that subregional systems should be dealt with exclusively in accordance with Note 6 above, i.e. they should be taken into account through the procedure for modifications to the Plan, to the exclusion of any other separate procedure.

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INTERNATIONAL TELECOMMUNICATION UNION

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GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING
OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 236-E
12 September 1988
Original: English

COMMITTEE 5

Viet Nam

PROPOSAL FOR THE WORK OF THE CONFERENCE

The Administration of Viet Nam pays its attention to the Note by the Chairman of the IFRB which was transmitted by the Secretary-General to the Conference in Document 218.

The Administration of Viet Nam is of the opinion that test points submitted by any administration for the allotment planning being outside of its territory or on the territory of the other countries are unacceptable. It proposes the request for an adjustment of these test points.

The Administration of Viet Nam has found that this problem also concerns the feeder link planning, therefore, Committee 5 is kindly requested to include this problem in its agenda.

CONF\ORB-2\DOC\236E.TXS

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 237-E
12 September 1988
Original: English

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF WORKING GROUP 6-C TO THE CHAIRMAN OF COMMITTEE 6

Working Group 6-C, while considering the proposals under Article 69 of the Radio Regulations for consequential modifications to the provisions of the Radio Regulations, decided to refer two of them to Committee 5, as they are of direct relevance to its work.

Accordingly, Working Group 6-C transmits to Committee 5 through Committee 6 the proposals contained in the annex for its consideration.

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

Annex: 1

ANNEX

CAN/60/245

MOD 5192 (Text will require modification if Appendix 30 becomes
an Article in the Radio Regulations.)

CAN/60/247

SUP 5193.1

Reasons: The Final Acts of WARC ORB-85 have now entered into force and
Appendix 30 will be reviewed again by ORB-88. Therefore, the text is
redundant.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 238-E
12 September 1988
Original: English

Source: Documents DT/19(Rev.1), 231

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF WORKING GROUP 6-B TO THE CHAIRMAN OF COMMITTEE 6 ON PRINCIPLE OF COORDINATION AND NOTIFICATION OF SATELLITE SYSTEMS ON A NETWORK BASIS

Working Group 6-B, having considered administrations' proposals concerning the possibility of introducing coordination and notification of satellite systems on a network basis rather than on the basis of individual frequency assignments, concluded that the coordination and notification procedure should be modified in accordance with the following basic principles:

1. Coordination in accordance with No. 1060 of the Radio Regulations may be carried out on a network basis 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.
2. After coordination under No. 1060 of the Radio Regulations, using data on earth stations and where appropriate typical earth stations, the notification under Article 13 and recording of the space station shall indicate the parameters of the associated typical earth stations.
3. Specific earth stations have to be coordinated under RR 1060 with other satellite networks if the actual values of their parameters could cause interference exceeding the interference level produced by the typical earth stations which have been coordinated.
4. In the frequency bands not allocated with equal rights to space and terrestrial radiocommunication services, an administration intending to bring into use earth stations may notify them in accordance with Article 13 either as specific earth stations at fixed locations or as a typical earth station within a specified area.
5. In frequency bands allocated with equal rights to space and terrestrial radiocommunication services, an administration intending to bring into use earth stations may notify them in accordance with Article 13 as specific earth stations at fixed locations on any part of its territory after any necessary coordination. Alternatively, the administration may notify a typical earth station within a specified area provided that the coordination contour associated with this area, calculated in accordance with paragraph 7 of Appendix 28(Rev.), does not overlap the territory of another country.

A. CAREW
Chairman of Working Group 6-B

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 239(Rev. 2) -E
21 September 1988
Original: English

COMMITTEE 4

FIRST REPORT OF WORKING GROUP 4-C TO COMMITTEE 4

ARTICLE [A]

PROCEDURE FOR IMPLEMENTING SUBREGIONAL SYSTEMS

Composition of a subregional system

1. Administrations wishing to combine all or part of their allotments for the purpose of forming a subregional system, or an administration wishing to join a subregional system already established in accordance with this article, shall do so in accordance with the provisions of this article.

1.1 The subregional system shall have assignments for a fixed term which may be extended or reduced on a decision of the members of the system and with the agreement of the affected administrations.

1.2 That all or part of the national allotments used by the subregional system shall be suspended for the period of operation of this subregional system unless it can be used in a way that does not affect allotments in the Plan or assignments made in accordance with the procedures related to the Plan.

1.3 Suspended national allotments (see 1.2) shall remain protected in accordance with the same protection as that afforded to other allotments in the Plan which are not suspended, for use in the event of cessation of the subregional system.

1.4 The assignments of the subregional system shall receive the same protection as other assignments implemented under the Plan.

2. Administrations participating in the subregional system shall designate one of their members to act on their behalf on matters related to the subregional system and the application of the Radio Regulations.

Preliminary procedure

3. The administration so designated (hereinafter called the notifying administration) shall provide full details of the system to the IFRB not earlier than [...] years and not later than [...] years before the date of bringing into use of the system.

4. The information referred to in 3 shall include:

- a) information listed in Annex [...] on the agreement that has been concluded among the administrations participating in the subregional system;

- b) the technical data on the subregional system as listed in Annex [...];
- c) any other information that may assist the Board and other administrations in the application of the procedure of this article with regard to the subregional system.

5. The Board shall provide such assistance as may be requested by the notifying administration in the application of this article.

Action by the notifying administration

6. At the same time as sending the information listed in 4 to the IFRB, the notifying administration shall also send this information to and seek the agreement of all other administrations whose allotments or assignments may be affected.

7. Affected administrations may be those having:

- a) allotments in the Plan;
- b) assignments derived from allotments in the Plan;
- c) existing systems listed in Part B;
- d) assignments derived from procedures related to the Plan.

8. These administrations are considered as affected when the limit(s) shown in [Annex ..] [is] [are] exceeded.

9. In determining the affected administrations, the mutual interference between the subregional system and its members' suspended national allotments shall not be taken into account for the period of the life of the subregional system.

10. In determining affected administrations, the interference caused by either the subregional system or the suspended allotments as specified in 1.2 shall be taken into account, but not both at the same time, due to the appropriate implementation schedules.

11. Agreement is not required when no other administration outside of the subregional system is affected. In this case, the notifying administration shall send the relevant information listed in [...] to the Board. The Board shall then immediately inform administrations.

Action by the Board

12. On receipt of the information referred to in 4 the Board shall:

- a) examine the information received for its completeness and conformity with this appendix;
- b) if the information is incomplete the Board shall seek from the notifying administration the additional information;
- c) examine the information received with a view to identifying those administrations whose services might be affected;

- d) advise the concerned administrations of action to be taken under 1.2;
- e) publish in a special section of its weekly circular the complete information received, the results of its examination and the names of the affected administrations which it has identified. The Board shall also inform the concerned administrations.

Requests for inclusion in the coordination procedure

13. An administration believing that it should have been included in the coordination procedure under 6 and having noted that it was not included in 12 e) shall have the right to request that it be brought into the coordination procedure. Such a request together with the technical data to justify the request shall be sent to the notifying administration initiating the coordination procedure, with a copy to the Board, as soon as possible.

Acknowledgement of receipt of the coordination request

14. An administration with which coordination is sought under 6 shall acknowledge receipt of the coordination data immediately. If no acknowledgement is received within [...] days after the date of the weekly circular mentioned in 12 e), the notifying administration shall dispatch a telegram requesting acknowledgement to which the receiving administration shall reply within a period of [...] days.

Examination of coordination data and agreement between administrations

15. An administration whose agreement is sought shall examine the coordination data promptly and may request additional information it considers necessary.

16. In any case it shall within [...] months from the date of the relevant weekly circular inform the notifying administration of its agreement.

17. If however it cannot give its agreement it shall within the same period send to the notifying administration the technical details upon which disagreement is based. A copy of these comments shall also be sent to the Board.

18. If in the process of coordination the notifying administration modifies its initial proposal, it shall again apply the provisions of 4 to 11 but only with respect to those administrations whose services might be affected as a result of modification to the initial proposal.

19. If no comments have been received on the expiry of the period specified in 16 or if agreement has been reached with all the administrations concerned, the notifying administration shall inform the Board accordingly and may initiate the appropriate procedures of notification specified in Article [...].

20. The agreement of affected administrations may also be obtained, in accordance with this article, for a specified period which may be less than the period mentioned in the Annexes of 4.

21. When the proposed subregional system involves developing countries, affected administrations shall take all practical measures conducive to the establishment of such systems.

22. The Board shall publish in a special section of its weekly circular the information received under 19 together with the names of administrations with which the provisions of this article have been successfully applied.

23. If coordination is not possible for any reason or no agreement is reached between the notifying administration and any other administration concerned after [...], the Board shall carry out such study and shall forward to the administrations concerned a report on the study and recommendations for the solution of the problem.

Modification of the subregional system

24. If the subregional system is to be modified [in any manner] the applicable provisions of this article shall be applied but only with respect to administrations with which agreement is necessary due to the proposed modification.

Withdrawal of an administration from participating in a subregional system

25. In the event of an administration withdrawing from participating in a subregional system, and if it wishes to establish its own national system, it will use the unsuspended part of any allotment, if any, (see 1.2) and/or the procedure to modify an allotment in the Plan.

Withdrawal of a subregional system from operation

26. The notifying administration shall inform the Board of the withdrawal of its subregional system from operation not less than [...] years before the withdrawal. The Board shall publish this information in a special section of its weekly circular.

27. The notifying administration shall also notify the cancellation of all frequency assignments pertaining to the system and request the Board to cancel the remarks against the national allotments regarding their suspension.

Maintenance of a list of subregional systems

28. The Board shall be responsible for maintenance and publication on a biannual basis of a list containing a summary of all subregional systems which are planned or are in operation in the application of the provisions of this article.

E.D. DUCHARME
Chairman of Working Group 4-C

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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

Document 239(Rev.1)-E

16 September 1988

Original: English

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

WORKING GROUP 4-C

PROCEDURES FOR COMBINING ALLOTMENTS FOR SUBREGIONAL SYSTEMS

ARTICLE [A]

PROCEDURE FOR COMBINING ALLOTMENTS FOR SUBREGIONAL SYSTEMS

Composition of a subregional system

1. Administrations wishing to combine all or part of their allotments for the purpose of forming a subregional system, or an administration wishing to join a subregional system already established in accordance with this article, shall do so in accordance with the provisions of this article.

1.1 The subregional system shall have assignments for a fixed term which may be extended or reduced on a decision of the members of the system and with the agreement of the affected administrations.

1.2 That part of the national allotments used for the subregional system shall be suspended for the period of operation of this subregional system unless it can be used in a way that does not affect allotments in the Plan or assignments made in accordance with the procedures related to the Plan.

1.3 Suspended national allotments shall remain protected in accordance with the protection of other allotments in the Plan which are not suspended.

1.4 The assignments of the subregional system shall receive the same protection as other assignments implemented under allotments in the Plan.

2. Administrations participating in the subregional system shall designate one of their members to act on their behalf on matters related to the subregional system and the application of the Radio Regulations.

Preliminary procedure

3. The administration so designated (hereinafter called the notifying administration) shall provide full details of the system to the IFRB not earlier than [...] years and not later than [...] years before the date of bringing into use of the system.

4. The information referred to in 3 shall include:

- a) information listed in Annex [...] on the agreement that has been concluded among the administrations participating in the subregional system;
- b) the technical data on the subregional system as listed in Annex [...];

- c) any other information that may assist the Board and other administrations in the application of the procedure of this article with regard to the subregional system.

5. On receipt of the information specified in 4 the Board shall take the action prescribed in 13.

6. In addition, the Board shall provide such assistance as may be required by the notifying administration in the application of this article.

Action by the notifying administration

7. At the same time as sending the information listed in 4 to the IFRB, the notifying administration shall seek the agreement of all other administrations whose allotments or assignments may be affected.

8. Affected administrations may be those having:

- a) allotments in the Plan;
- b) assignments derived from allotments in the Plan;
- c) assignments listed in Part B;
- d) assignments derived from procedures related to the Plan.

9. These administrations are considered as affected when the limit(s) shown in [Annex ..] [is] [are] exceeded.

10. In determining the affected administrations, the mutual interference between the subregional system and its members' suspended national allotments shall not be taken into account for the period of the life of the subregional system.

10bis. In determining affected administrations, the interference caused by either the subregional system or the suspended allotments as specified in 1.2 shall be taken into account, but not both at the same time, due to the appropriate implementation schedules.

11. Agreement is not required when no other administration outside of the subregional system is affected. In this case, the notifying administration shall send the relevant information listed in [...] to the Board. The Board shall then immediately inform administrations.

Action by the Board

12. On receipt of the information referred to in 4 the Board shall:

- a) examine the information received for its completeness and conformity with this appendix;
- b) if the information is incomplete the Board shall seek from the notifying administration the additional information;
- c) examine the information received with a view to identifying those administrations whose services might be affected;
- d) advise the concerned administrations of action to be taken under 1.2;

- e) publish in a special section of its weekly circular the information received, the results of its examination and the names of the affected administrations which it has identified. The Board shall also inform the concerned administrations.

Requests for inclusion in the coordination procedure

13. An administration believing that it should have been included in the coordination procedure under 7 and having noted that it was not included in 12 e) shall have the right to request that it be brought into the coordination procedure. Such a request together with the technical data to justify the request shall be sent to the [notifying] administration initiating the coordination procedure, with a copy to the Board, as soon as possible.

Acknowledgement of receipt of the coordination request

14. An administration with which coordination is sought under 7 shall acknowledge receipt of the coordination data immediately. If no acknowledgement is received within [...] days after the date of the weekly circular mentioned in 12 e), the notifying administration shall dispatch a telegram requesting acknowledgement to which the receiving administration shall reply within a period of [...] days.

Examination of coordination data and agreement between administrations

15. An administration whose agreement is sought shall examine the coordination data promptly and may request additional information it considers necessary.

16. In any case it shall within [...] months from the date of the relevant weekly circular inform the notifying administration of its agreement.

17. If however it cannot give its agreement it shall within the same period send to the notifying administration the technical details upon which disagreement is based. A copy of these comments shall also be sent to the Board.

18. If in the process of coordination the notifying administration modifies its initial proposal, it shall again apply the provisions of 4 to 11 but only with respect to those administrations whose services might be affected as a result of modification to the initial proposal.

19. If no comments have been received on the expiry of the period specified in 16 or if agreement has been reached with all the administrations concerned, the notifying administration shall inform the Board accordingly and may initiate the appropriate procedures of notification specified in [Article ...] of this appendix.

20. The agreement of administrations affected may also be obtained, in accordance with this article, for a specified period which is the same or less than the period mentioned in 4.

21. When the proposed subregional system involves developing countries, affected administrations shall take all practical measures conducive to the establishment of such systems.

22. The Board shall publish in a special section of its weekly circular the information received under 20 together with the names of administrations with which the provisions of this article have been successfully applied.

23. If after [...] coordination is not possible or no agreement is reached between the notifying administration and any other administration concerned, the Board shall carry out such study as may be requested by one of these administrations and shall inform both administrations concerned of the results of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

Modification of the subregional system

24. If the subregional system is modified in any manner the procedure of this article shall be applied but only with respect to administrations with which agreement is necessary due to the modification.

Withdrawal of an administration from participating in a subregional system

25. In the event of an administration withdrawing from participating in a subregional system, and if it wishes to establish its own national system, it will use the provisions of 1.2 and/or the procedure to modify an allotment in the Plan.

Withdrawal of a subregional system from operation

26. The notifying administration shall inform the Board of the withdrawal of its subregional system from operation not less than [...] years before the withdrawal. The Board shall publish this information in a special section of its weekly circular.

27. The notifying administration shall also notify the cancellation of all frequency assignments pertaining to the system and request the Board to cancel the remarks against the national allotments regarding their suspension.

Maintenance of a list of subregional systems

28. The Board shall be responsible for maintenance and publication on a biannual basis of a list containing a summary of all subregional systems which are planned or are in operation in the application of the provisions of this article.

E.D. DUCHARME
Chairman of Working Group 4-C

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 239-E
12 September 1988
Original: English

WORKING GROUP 4-C

SECOND REPORT OF WORKING GROUP 4-C AD HOC 1 CONCERNING PROCEDURES FOR COMBINING ALLOTMENTS FOR SUB-REGIONAL SYSTEMS

ARTICLE [A]

PROCEDURE FOR COMBINING ALLOTMENTS FOR SUB-REGIONAL SYSTEMS

Composition of a Sub-Regional System

1. Administrations wishing to combine all or part of their allotments for the purpose of forming a sub-regional system, or an administration wishing to join an existing sub-regional system, shall do so in accordance with the provisions of this Article.

1.1 The sub-regional system shall have assignments for a fixed term which may be extended or reduced on a decision of the members of the system and with the agreement of the affected administrations.

1.2 That part of the national allotments used for the sub-regional system shall be suspended. [The part used is the part affecting the sub-regional system as specified in 9.]

1.3 Suspended national allotments shall be protected as other allotments.

1.4 The sub-regional system shall receive the same protection as allotments in the Plan.

2. Administrations participating in the sub-regional system shall designate one of their members to act on their behalf for the application of the procedure in this Article and for subsequent modifications to the sub-regional system.

Preliminary Procedure

3. The administration so designated (hereinafter called [the notifying administration]) shall provide full details of the system to the IFRB at least [...] years and in any case not earlier than [...] years before the proposed date of bringing into use of the system.

4. The information referred to in 3 shall include:

- a) a statement of undertaking to participate in this sub-regional system from each of its constituent members;

- b) a clear indication of the nature and composition of the sub-regional system together with an indication of that part of the national allotment which will not be used during the period of validity of the assignment to a station of the sub-regional system;
- c) period of validity of the assignment of the station of the sub-regional system [and the duration of the agreement];
- d) the technical data required by the provisions of [Annex ...]; and
- e) any other information that may assist the Board and other administrations in the application of the procedure of this Article with regard to the proposed sub-regional system.

5. On receipt of the information specified in 4 the Board shall take the action prescribed in 13.

6. In addition, the Board shall provide such assistance as may be required by the [notifying] administration in the application of this Article.

Action by the [Notifying] Administration

7. At the same time as sending the information listed in 4 to the IFRB, the [notifying] administration shall seek the agreement of all other administrations whose allotments or assignments may be affected.

8. Affected administrations may be those having:

- a) allotments in the Plan, whether implemented or not;
- b) assignments to be taken into account for coordination with effect from the date of receipt by the Board of the relevant information as listed in 4;
- c) assignments notified to the Board without any coordination in those cases where provisions of 10 apply;
- d) assignments using the same frequency bands which are implemented, or are in the process of implementation, in accordance with the other procedures of this Appendix;
- e) [...]

9. These administrations are considered as affected when the limit(s) shown in [Annex ..] [is] [are] exceeded.

10. In determining the affected administrations, the mutual interference between the sub-regional system and its members' suspended national allotments shall not be taken into account for the period of the life of the sub-regional system.

10 bis In determining affected administrations, the interference caused by either the sub-regional system or the suspended allotments as specified in Z.1.2 shall be taken into account, but not both at the same time, due to the appropriate implementation schedules.

11. Agreement is not required when no other administration which is not part of the sub-regional system is affected as specified in 9.

12. If the [notifying] administration considers that no agreement is required with any other administration in accordance with 11 it may send to the Board the relevant information listed in [...] as a notification. In this case the Board shall immediately inform other administrations.

Action by the Board

13. On receipt of the information referred to in 14 the Board shall:

a) immediately examine the information received for its conformity with this Appendix;

b) examine the information received with a view to identifying those administrations whose services might be affected as specified by 9;

c) publish in a special section of its weekly circular the information received, the results of its examination and the names of the affected administrations which it has identified. When the weekly circular contains such information the Board shall so inform all administrations.

Requests for Inclusion in the Coordination Procedure

14. An administration believing that it should have been included in the coordination procedure under 7 and having noted that it was not included in 13 (c) shall have the right to request that it be brought into the coordination procedure. Such a request together with the technical data to justify the request shall be sent to the [notifying] administration initiating the coordination procedure, with a copy to the Board, as soon as possible.

Acknowledgement of Receipt of the Coordination Request

15. An administration with which coordination is sought under 7 shall acknowledge receipt of the coordination data immediately. If no acknowledgement is received within [...] days after the date of the weekly circular mentioned in 13 (c), the notifying administration shall dispatch a telegram requesting acknowledgement to which the receiving administration shall reply within a period of [...] days.

Examination of Coordination Data and Agreement Between Administrations

16. An administration whose agreement is sought shall, on receipt of the coordination data, promptly examine the matter.

17. It may request technical information it considers necessary. In this case it shall inform the Board of this fact.

18. In any case it shall within [...] months from the date of the relevant weekly circular inform the notifying administration of its agreement.

19. If however it cannot give its agreement it shall within the same period send to the notifying administration the technical details upon which disagreement is based. A copy of these comments shall also be sent to the Board.

20. If in the process of coordination the notifying administration modifies its initial proposal, it shall again apply the provisions of .4 to .12 but only with respect to any other administrations whose services might be affected as a result of modification to the initial proposal.

21. If no comments have been received on the expiry of the period specified in 18 or if agreement has been reached with all the administrations concerned, the notifying administration shall inform the Board accordingly and may initiate the appropriate procedures of notification specified in [Article ..] of this Appendix.

.21 bis The agreement of administrations affected may also be obtained, in accordance with this Article, for a specified period which is [the same or] less than the period mentioned in .4 (c).

22. When the proposed sub-regional system involves developing countries, administrations shall seek all practicable solutions conducive to the development of such systems.

23. The Board shall publish in a special section of its weekly circular the information received under 21 together with the names of administrations with which the provisions of this Article have been successfully applied.

24. If no agreement is reached between the notifying administration and any other administration concerned, the Board shall carry out such study as may be requested by one of these administrations and shall inform both the administrations concerned of the results of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

Modification of the Sub-Regional System

24 bis If the sub-regional system is modified in any manner the procedure of the present Article shall be applied but only with respect to administrations with which agreement is necessary due to the modification.

Termination of the Sub-Regional System

25. Any administration participating in a sub-regional system may withdraw from it. In doing so it shall inform the notifying administration and the IFRB.

26. The national allotment of such an administration which was suspended will not be taken into account during the lifetime of the sub-regional system in accordance with the provisions of 11.

27. When a sub-regional system is terminated, the notifying administration shall immediately inform the Board. The Board shall publish this information in a special section of its weekly circular. The notifying administration shall at the same time notify all the participating administrations, with a copy to the Board, of the termination of the related agreement.

28. The notifying administration shall also notify the cancellation of all frequency assignments pertaining to the system and request the Board to cancel the remarks against the national allotments regarding their suspension.

Maintenance of a List of Sub-Regional Systems

29. The Board shall be responsible for maintenance and publication on a biannual basis a list containing a summary of all sub-regional systems which are planned or are in operation in the application of the provisions of this Article.

J ZAVATTIERO

Chairman of Working Group 4-C Ad Hoc 1

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 240-E
12 September 1988
Original: English

WORKING GROUP 5-A

SECOND REPORT OF SUB-WORKING GROUP 5-A-2 TO WORKING GROUP 5-A

The Sub-Working Group has held five meetings and established the following ad hoc Groups:

5-A-2 ad hoc Group 1: Chairman, Mr. B. Salkeld (United Kingdom)

- determine the calculation method of OEPM and the values to be used for calculation of OEPM.

This ad hoc Group has already completed its work.

5-A-2 ad hoc Group 2: Chairman, Mr. B. Salkeld (United Kingdom)

- prepare guidelines for the use of ULPC.

5-A-2 ad hoc Group 3: Chairman, Mrs. M. Giovachini (France)

- prepare Annex 3 of Appendix 30A.

1. Technical parameters to be used for development of the Plan

The technical parameters to be used for the first planning exercise are shown in Document 203.

For the technical information, the data related to the antenna parameters and the propagation model are shown in Document 189 and Document 224, respectively.

As to the technical parameters to be used for the next planning exercise, Sub-Working Group 5-A-2 was requested by Sub-Working Group 5-A-1 to suggest e.i.r.p. values (Document 212). The Group suggests for the next planning exercise to generally keep the initial values on a common basis, i.e.

84 dBW for the 17 GHz band

82 dBW for the 14 GHz band

but, the specific requirements of e.i.r.p values previously submitted by administrations and e.i.r.p. adjustment to improve the Plan should be taken into account.

2. Guidelines for the use of ULPC

5-A-2 ad hoc Group 2 chaired by Mr. B. Salkeld is now continuing its work. This ad hoc Group held one meeting and discussed the listing of permissible increase of e.i.r.p. under specific conditions as provision in the guidelines for the use of ULPC.

The additional rain-fade margin is closely related to ULPC and this matter is being discussed in this ad hoc Group.

3. Annex 3 of Appendix 30A

5-A-2 ad hoc Group 3 chaired by Mrs. M. Giovachini is now examining the draft text based on the existing Appendix 30A, WARC ORB(1) Report, Documents 3, 39 and others.

T. KOMOTO
Chairman of Sub-Working Group 5-A-2

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 241-E
12 September 1988
Original: English

WORKING GROUP 6-C

REPORT OF WORKING GROUP 6-C AD HOC 2
TO WORKING GROUP 6-C

In accordance with its terms of reference, Working Group 6-C ad hoc 2 endeavoured to develop appropriate definitions regarding steerable satellite beams. In two meetings the Group developed definitions of Effective Boresight Area, Effective Antenna Gain Contour, and Steerable Satellite Beam. These definitions are submitted to Working Group 6-C in the annex.

P.E. MISENER
Chairman of Working Group 6-C ad hoc 2

Annex: 1

ANNEX

ARTICLE 1

Terms and Definitions

Section VII. Frequency Sharing

ADD 168A

7.10 Effective Boresight - Area (of a steerable satellite beam): A contiguous 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

ADD 183

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

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 242-E
12 September 1988
Original: English

WORKING GROUP 4-B

Note by the Secretary-General

IFRB REPORT

RESULTS FOR THE FIRST DRAFT PLAN

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

R. E. BUTLER
Secretary-General

Attachment

IFRB REPORT

FIRST DRAFT PLAN

At the request of the Chairman of Working Group 4-B, the IFRB prepared the first draft Plan. This first draft Plan is identified as Plan 5-1-1-4 to indicate:

- a) the updated requirements (Document 230(Rev.1)), (5)
- b) no predetermined arc, (1)
- c) multi-band plan, (1)
- d) new technical parameters, (4)
- Annex 1 Report 5-1-1-4 (6/4 GHz) sorted by orbital position
- Annex 2 Report 5-1-1-4 (6/4 GHz) sorted by beam name
- Annex 3 Report 5-1-1-4 (14/11-12 GHz) sorted by orbital position
- Annex 4 Report 5-1-1-4 (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.

ANNEX 1

<u>COLUMN</u>	<u>DESCRIPTION</u>
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

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1
14

1	2	3	4	5	6	7	8	9	10	11	12	13	
ALS00000	-158.40	-158.42	57.52	6.47	1.72	1.13	54.41	21.04	6.88	4.65	50.92	-169.80	-158.20
CAR00000	-158.40	-185.95	4.54	10.44	2.63	175.19	66.46	23.91	6.88	4.65	55.63	-169.80	-158.20
GUMMRA00	-158.40	-214.27	16.67	1.88	1.60	75.71	52.90	21.33	6.88	4.65	51.39	-169.80	-158.20
HWA00000	-158.40	-157.69	20.51	1.60	1.60	90.00	52.50	19.78	6.88	4.65	68.32	-169.80	-158.20
HWL00000	-158.40	-176.58	0.08	1.60	1.60	90.00	52.50	18.18	6.88	4.65	60.88	-169.80	-158.20
JAR00000	-158.40	-160.00	-0.38	1.60	1.60	90.00	52.50	18.07	6.88	4.65	62.07	-169.80	-158.20
JON00000	-158.40	-168.50	17.00	1.60	1.60	90.00	52.50	17.81	6.88	4.65	68.02	-169.80	-158.20
MDW00000	-158.40	-177.42	28.22	1.60	1.60	90.00	52.50	18.01	6.88	4.65	63.79	-169.80	-158.20
MRL00000	-158.40	-184.69	8.73	2.51	1.62	92.90	53.54	20.88	6.88	4.65	57.75	-169.80	-158.20
PLM00000	-158.40	-161.42	7.00	1.60	1.60	90.00	52.50	18.09	6.88	4.65	69.06	-169.80	-158.20
SMA00000	-158.40	-170.70	-14.22	1.60	1.60	90.00	52.50	17.80	6.88	4.65	51.59	-169.80	-158.20
WAK00000	-158.40	-193.50	19.20	1.60	1.60	90.00	52.50	18.11	6.88	4.65	59.44	-169.80	-158.20
VEN00001	-129.00	-68.05	6.74	2.34	1.60	103.08	57.06	22.92	6.88	4.65	36.58	-131.00	-1.80
VEN00002	-129.00	-63.62	15.67	1.60	1.60	90.00	52.50	19.76	6.88	4.65	35.81	-131.00	-1.80
BLZ00000	-127.90	-88.63	17.24	1.60	1.60	90.00	52.50	18.87	6.88	4.65	30.19	-138.40	-38.70
TON0IFRB	-127.50	-175.17	-21.17	1.60	1.60	90.00	52.50	18.98	6.88	4.65	43.92	-175.00	-126.00
MEX00000	-119.90	-103.84	23.35	5.74	2.47	158.58	57.67	21.15	6.88	4.65	35.26	-136.10	-61.00
PRU00000	-118.10	-74.85	-8.39	3.57	1.86	92.77	56.75	21.57	6.88	4.65	34.72	-120.40	-38.20
NCG0IFRB	-116.60	-84.70	12.87	1.60	1.60	90.00	52.50	19.56	6.88	4.65	29.12	-124.40	-45.90
GDL00002	-115.70	-61.76	16.37	1.60	1.60	90.00	52.50	19.67	6.88	4.65	30.14	-123.20	-81.20
GUF00002	-115.70	-53.05	4.49	1.60	1.60	90.00	53.54	20.63	6.88	4.65	32.72	-123.20	-81.20
OCE00000	-115.70	-141.85	-16.06	3.73	2.57	139.03	55.27	20.73	6.88	4.65	35.38	-123.20	-81.20
CAN0WEST	-115.40	-120.09	57.39	3.26	2.05	173.00	52.50	20.98	6.88	4.65	28.86	-119.00	-113.70
URG00000	-107.20	-56.82	-33.47	1.60	1.60	90.00	52.50	19.76	6.88	4.65	34.16	-108.90	-3.50
CLM00000	-106.60	-74.56	5.93	4.12	2.05	116.94	57.66	21.35	6.88	4.65	32.82	-110.10	-39.90
CANOCENT	-106.10	-95.47	51.44	4.41	2.38	158.69	54.93	21.26	6.88	4.65	30.62	-115.10	-101.00
SCN0IFRB	-95.60	-62.90	17.33	1.60	1.60	90.00	52.50	18.53	6.88	4.65	31.62	-113.20	-12.60
CPV0IFRB	-93.60	-24.10	16.00	1.60	1.60	90.00	52.50	18.94	6.88	4.65	38.77	-94.70	46.50
BAH0IFRB	-93.00	-75.78	24.11	1.90	1.60	132.67	52.50	20.26	6.88	4.65	32.82	-121.10	-32.20
BRB0IFRB	-92.10	-59.60	13.17	1.60	1.60	90.00	52.50	18.48	6.88	4.65	29.50	-110.80	-8.40
ABW00000	-89.60	-69.05	12.41	1.60	1.60	90.00	52.50	18.45	6.88	4.65	29.50	-119.40	-18.90
JMC00000	-88.10	-77.59	18.18	1.60	1.60	90.00	52.50	18.23	6.88	4.65	29.63	-127.50	-27.80
CHL00000	-87.20	-85.10	-32.68	7.72	6.60	177.76	61.52	21.57	6.88	4.65	34.08	-96.40	-53.60
ATG0IFRB	-86.10	-61.80	17.00	1.60	1.60	90.00	52.50	18.36	6.88	4.65	30.08	-112.20	-11.40
CANOEAST	-85.30	-73.49	50.25	4.88	2.54	165.46	55.67	21.19	6.88	4.65	37.92	-108.00	-54.90
CTR00000	-84.60	-85.30	8.21	1.60	1.60	90.00	52.50	19.83	6.88	4.65	31.78	-125.40	-44.00
B 00001	-82.60	-63.17	-6.01	4.33	3.87	67.38	59.93	21.25	6.88	4.65	33.67	-97.00	-31.20
GTM00000	-81.70	-90.48	15.78	1.60	1.60	90.00	52.50	18.92	6.88	4.65	31.88	-139.30	-41.40
GMB00000	-77.20	-16.40	13.40	1.60	1.60	90.00	52.50	18.86	6.88	4.65	33.27	-77.30	44.50
DMA0IFRB	-76.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.22	6.88	4.65	30.90	-112.10	-10.50
DOM0IFRB	-75.10	-70.40	18.67	1.60	1.60	90.00	52.50	18.19	6.88	4.65	31.10	-120.30	-20.50
HND00000	-74.20	-86.11	15.46	1.60	1.60	90.00	52.50	20.03	6.88	4.65	32.51	-123.80	-48.10
MTN0IFRB	-72.00	-10.76	20.31	2.43	1.60	108.79	52.50	21.07	6.88	4.65	30.70	-72.80	44.20
B 00003	-71.40	-50.08	-20.94	4.43	3.06	60.30	58.81	21.38	6.88	4.65	37.41	-88.80	-15.20
TRD00000	-70.70	-61.09	10.83	1.60	1.60	90.00	52.50	18.17	6.88	4.65	31.41	-112.30	-9.90
CUB00000	-69.60	-79.45	21.13	2.10	1.60	172.66	52.50	20.41	6.88	4.65	30.24	-123.50	-36.10
AZR00000	-67.50	-28.12	38.68	1.60	1.60	90.00	52.50	19.04	6.88	4.65	31.16	-71.40	34.50
MDR00000	-67.50	-16.52	31.88	1.60	1.60	90.00	52.50	19.07	6.88	4.65	32.13	-71.40	34.50
POR00000	-67.50	-8.32	39.47	1.60	1.60	90.00	52.50	19.74	6.88	4.65	33.66	-71.40	34.50
USAVIDRPT	-65.20	-80.02	31.32	8.45	4.83	174.65	62.47	21.75	6.88	4.65	34.98	-114.10	-63.50
EQA00000	-63.80	-82.28	-1.42	3.36	1.61	172.24	54.34	20.89	6.88	4.65	31.59	-122.10	-39.20
MLIOIFRB	-59.90	-5.41	17.70	2.66	1.60	106.04	53.52	21.38	6.88	4.65	33.28	-59.90	43.30

ORB(2)/242-F/E/S

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SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
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PAG. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
														14	
GRD0IFRB	-59.30	-61.60	12.00	1.60	1.60	90.00	52.50	18.11	6.88	4.65	30.14	-113.00	-10.20		
PTC00000	-58.70	-130.10	-25.07	1.60	1.60	90.00	52.50	18.85	6.88	4.65	32.95	-62.60	-58.50		
BOL00000	-58.30	-64.62	-17.08	2.92	2.27	138.22	55.05	20.77	6.88	4.65	34.98	-97.30	-23.20		
CNR00000	-56.70	-16.36	28.32	1.60	1.60	90.00	52.50	18.70	6.88	4.65	33.89	-61.10	50.70		
E 00002	-56.70	-4.84	40.26	1.71	1.60	139.78	52.50	20.74	6.88	4.65	32.01	-61.10	50.70		
VCT0IFRB	-55.00	-61.10	13.17	1.60	1.60	90.00	52.50	18.13	6.88	4.65	31.50	-112.30	-9.90		
BFA00000	-54.10	-1.37	12.21	1.60	1.60	90.00	52.50	19.99	6.88	4.65	32.83	-54.60	46.20		
PNR0IFRB	-53.70	-80.15	8.62	1.60	1.60	90.00	52.50	19.57	6.88	4.65	36.71	-120.00	-40.40		
BEL00000	-52.00	4.11	50.31	1.60	1.60	90.00	52.50	19.05	6.88	4.65	30.09	-53.60	62.00		
HTI0IFRB	-51.60	-73.00	18.83	1.60	1.60	90.00	52.50	18.33	6.88	4.65	35.87	-122.90	-23.10		
B 00002	-49.10	-44.97	-6.32	5.08	4.23	156.08	60.47	21.07	6.88	4.65	39.61	-84.70	-13.50		
AND00000	-48.20	1.53	42.52	1.60	1.60	90.00	52.50	18.75	6.88	4.65	30.31	-48.60	51.70		
SLV0IFRB	-47.90	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	36.57	-130.50	-47.50		
CTI00000	-42.90	-6.06	7.80	1.60	1.60	90.00	52.50	20.19	6.88	4.65	30.38	-46.50	35.60		
ARG00000	-41.70	-61.43	-33.86	5.00	2.84	105.63	59.74	21.75	6.88	4.65	37.02	-50.10	-19.10		
ARGINSL	-41.70	-59.11	-57.56	4.18	1.60	153.33	52.55	21.42	6.88	4.65	35.98	-50.10	-19.10		
ALG00000	-41.30	1.35	27.74	3.44	2.13	127.59	53.43	20.95	6.88	4.65	27.91	-45.30	52.00		
DNK00002	-39.60	10.72	55.79	1.60	1.60	90.00	52.50	19.37	6.88	4.65	28.61	-40.80	-30.20		
DNK00FAR	-39.60	-7.18	61.74	1.60	1.60	90.00	52.50	18.83	6.88	4.65	36.62	-40.80	-30.20		
GRL00000	-39.60	-40.54	67.91	2.38	1.60	178.36	52.50	20.93	6.88	4.65	37.95	-40.80	-30.20		
GUY00000	-39.20	-59.30	4.72	1.63	1.60	96.11	52.50	20.24	6.88	4.65	33.19	-100.10	-18.30		
BEN00000	-37.70	2.24	9.29	1.60	1.60	90.00	52.50	20.25	6.88	4.65	29.95	-40.20	44.70		
MC00000	-37.00	7.40	43.67	1.60	1.60	90.00	52.50	18.89	6.88	4.65	28.30	-41.80	56.60		
SRL0IFRB	-36.40	-11.90	8.50	1.60	1.60	90.00	52.50	18.29	6.88	4.65	32.48	-63.80	40.00		
TCDOIFRB	-33.70	17.75	15.55	3.54	1.60	102.64	54.13	20.93	6.88	4.65	31.47	-36.50	67.50		
SUI00000	-32.70	7.94	46.49	1.60	1.60	90.00	52.50	18.84	6.88	4.65	29.14	-35.90	52.70		
TG00000	-32.20	0.81	8.58	1.60	1.60	90.00	52.50	19.76	6.88	4.65	29.50	-41.80	43.40		
GAB0IFRB	-30.00	12.02	-0.92	1.60	1.60	90.00	52.50	20.41	6.88	4.65	31.36	-30.00	52.80		
ASCSTHTC	-29.40	-11.43	-19.59	5.81	2.13	80.81	54.66	20.72	6.88	4.65	35.35	-38.50	-27.10		
BERCAYMS	-29.40	-68.33	22.53	3.71	2.10	47.87	56.68	21.79	6.88	4.65	36.08	-38.50	-27.10		
FLKSTGGL	-29.40	-45.64	-59.63	4.03	1.60	166.30	52.50	21.10	6.88	4.65	31.81	-38.50	-27.10		
G 00000	-29.40	-3.67	54.10	1.77	1.60	153.77	52.50	20.43	6.88	4.65	32.11	-38.50	-27.10		
PRG00000	-28.90	-58.48	-23.22	2.05	1.60	133.17	53.09	20.87	6.88	4.65	30.87	-90.40	-23.20		
SUR0IFRB	-28.30	-55.37	3.87	1.60	1.60	90.00	52.50	19.44	6.88	4.65	32.91	-97.00	-15.00		
YUG00000	-20.80	16.83	43.21	1.67	1.60	146.59	52.50	20.56	6.88	4.65	29.24	-25.80	60.20		
TZA0IFRB	-18.70	34.52	-5.76	2.38	1.60	94.24	52.50	20.53	6.88	4.65	35.82	-21.30	91.40		
DNK00001	-18.40	10.97	55.95	1.60	1.60	90.00	52.50	19.35	6.88	4.65	27.89	-40.80	62.20		
TUN00000	-16.70	8.76	33.27	1.60	1.60	90.00	52.50	19.89	6.88	4.65	29.49	-42.50	62.00		
STP0IFRB	-15.00	7.00	1.00	1.60	1.60	90.00	52.50	18.23	6.88	4.65	33.51	-45.40	59.40		
TCH00000	-14.40	17.32	49.59	1.60	1.60	90.00	52.50	19.96	6.88	4.65	27.34	-21.30	54.40		
COGOIFRB	-11.80	14.83	-0.50	2.21	1.60	60.36	52.74	20.68	6.88	4.65	32.45	-24.70	56.50		
ATN00000	-11.40	-65.66	15.08	1.60	1.60	90.00	52.50	20.90	6.88	4.65	35.39	-50.10	1.90		
HOL00000	-11.40	5.35	52.30	1.60	1.60	90.00	52.50	18.60	6.88	4.65	28.58	-50.10	1.90		
SEN00000	-10.90	-14.17	13.69	1.60	1.60	90.00	52.50	19.52	6.88	4.65	30.33	-64.40	34.30		
LBR00000	-8.50	-9.20	6.28	1.60	1.60	90.00	52.50	19.23	6.88	4.65	29.78	-50.40	35.50		
ISL00000	-8.20	-19.61	64.87	1.60	1.60	90.00	52.50	19.35	6.88	4.65	32.87	-53.00	14.80		
GRC00000	-7.70	24.58	38.16	1.81	1.60	155.97	52.50	20.47	6.88	4.65	30.20	-24.40	71.40		
POL00000	-5.40	18.41	51.19	1.60	1.60	90.00	52.50	20.12	6.88	4.65	29.06	-14.80	56.40		
CAF0IFRB	-3.30	21.32	6.44	2.56	1.87	15.96	53.71	20.71	6.88	4.65	33.21	-24.80	57.60		
CYP00000	-2.90	33.20	35.10	1.60	1.60	90.00	52.50	18.46	6.88	4.65	29.20	-21.50	87.90		
F 00000	-2.00	3.03	45.90	2.33	1.60	167.08	52.50	20.58	6.88	4.65	30.50	-13.90	5.70		
GDL00000	-2.00	-61.70	16.60	1.60	1.60	90.00	52.50	19.93	6.88	4.65	38.30	-13.90	5.70		

ORB(2)/242-F/E/S

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SATELLITE POSITION ORDER

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 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

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ORB(2)/242-F/E/S

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT. 14	1
GUF00000	-2.00	-52.98	4.20	1.60	1.60	90.00	52.50	19.84	6.88	4.65	44.18	-13.90	5.70	
MYT00000	-2.00	-45.20	-12.83	1.60	1.60	90.00	52.50	18.76	6.88	4.65	46.86	-13.90	5.70	
REU00000	-2.00	55.57	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	45.56	-13.90	5.70	
SPM00000	-2.00	-56.40	46.96	1.60	1.60	90.00	52.50	19.00	6.88	4.65	46.95	-13.90	5.70	
NMB0IFRB	1.70	18.40	-21.04	2.86	2.70	54.48	52.50	20.22	6.88	4.65	32.38	-45.40	82.50	
OMA00000	2.10	54.82	21.57	1.89	1.60	99.86	52.50	20.41	6.88	4.65	30.97	-9.80	122.20	
GUI0IFRB	2.50	-10.93	10.17	1.73	1.60	158.37	52.50	20.30	6.88	4.65	36.15	-51.80	33.80	
UGA0IFRB	3.30	32.17	1.11	1.60	1.60	90.00	52.50	19.53	6.88	4.65	31.83	-27.20	91.60	
EGY00000	3.80	29.38	26.31	2.66	1.99	140.73	52.50	20.28	6.88	4.65	29.25	-33.70	93.30	
HNG00000	5.60	19.29	47.14	1.60	1.60	90.00	52.50	19.08	6.88	4.65	30.64	-22.20	62.40	
IRQ00000	7.10	44.23	32.93	1.94	1.60	143.90	52.50	20.25	6.88	4.65	30.11	-19.80	106.60	
AGL0IFRB	7.70	16.58	-12.49	3.05	2.64	163.11	52.56	20.24	6.88	4.65	31.67	-37.20	74.10	
YEM0IFRB	8.40	43.94	15.09	1.60	1.60	90.00	52.50	18.82	6.88	4.65	32.21	-24.30	113.20	
NOR00000	8.80	11.99	63.75	2.33	1.60	15.03	52.50	20.97	6.88	4.65	29.62	2.90	29.10	
NIG00000	9.80	7.60	9.75	2.94	2.04	30.41	54.61	20.72	6.88	4.65	36.09	-29.60	49.60	
ROU00000	11.00	25.03	46.16	1.66	1.60	1.00	52.50	20.19	6.88	4.65	28.62	-16.40	66.50	
KWT00000	12.50	47.94	29.25	1.60	1.60	90.00	52.50	18.34	6.88	4.65	30.81	-20.20	115.30	
BOT00000	13.20	24.00	-21.77	1.64	1.60	61.03	52.50	19.90	6.88	4.65	32.83	-41.70	89.90	
LBY00000	13.70	18.92	26.02	3.53	2.65	154.63	54.19	20.58	6.88	4.65	30.56	-19.20	54.90	
IRL00000	14.50	-8.12	53.25	1.60	1.60	90.00	52.50	18.99	6.88	4.65	30.43	-41.00	25.70	
FNL00000	15.30	25.38	63.88	1.60	1.60	90.00	52.50	19.80	6.88	4.65	30.16	7.10	46.80	
GNE0IFRB	16.20	10.50	1.67	1.60	1.60	90.00	52.50	18.36	6.88	4.65	38.30	-32.80	53.80	
SMR00000	17.20	12.46	43.95	1.60	1.60	90.00	52.50	18.33	6.88	4.65	28.05	-36.40	61.40	
MRC00000	19.00	-8.51	28.63	4.10	1.60	41.32	52.50	20.70	6.88	4.65	32.21	-56.80	48.50	
UAE00000	20.00	53.77	24.04	1.60	1.60	90.00	52.50	18.82	6.88	4.65	31.77	-12.70	120.30	
LUX00000	21.10	6.16	49.69	1.60	1.60	90.00	52.50	18.38	6.88	4.65	28.34	-53.90	66.10	
JOR00000	22.00	36.22	31.16	1.60	1.60	90.00	52.50	18.78	6.88	4.65	32.07	-28.80	102.90	
ZWE00000	22.30	30.98	-17.47	1.60	1.60	90.00	52.50	17.86	6.88	4.65	34.07	-29.30	91.30	
GNB0IFRB	22.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.26	6.88	4.65	36.06	-76.50	45.70	
YMS00000	23.50	49.64	14.37	2.27	1.60	7.71	52.50	19.99	6.88	4.65	29.86	-16.40	114.40	
LSO0IFRB	24.60	28.40	-29.50	1.60	1.60	90.00	52.50	17.96	6.88	4.65	39.57	-40.10	96.90	
BHR00000	25.30	50.60	26.07	1.60	1.60	90.00	52.50	18.03	6.88	4.65	28.95	-18.60	119.80	
DDR00000	25.70	13.26	51.87	1.60	1.60	90.00	52.50	19.18	6.88	4.65	28.55	-26.80	51.70	
NGR0IFRB	27.60	8.56	17.27	3.23	2.13	28.02	52.50	20.35	6.88	4.65	32.41	-54.50	64.60	
TUR00000	28.40	35.72	35.61	3.37	2.50	154.06	53.79	20.71	6.88	4.65	30.48	-7.30	77.10	
DJIOIFRB	30.40	42.60	11.67	1.60	1.60	90.00	52.50	17.79	6.88	4.65	35.47	-28.40	113.60	
D 00000	31.00	9.42	50.98	1.60	1.60	90.00	52.50	19.63	6.88	4.65	28.52	-30.40	53.10	
MWI0IFRB	31.50	34.16	-13.30	1.75	1.60	102.34	52.50	19.62	6.88	4.65	30.54	-25.00	93.70	
GHA00000	31.70	-1.27	7.94	1.60	1.60	90.00	52.50	20.37	6.88	4.65	30.08	-41.70	39.30	
QAT00000	33.90	51.64	25.44	1.60	1.60	90.00	52.50	18.02	6.88	4.65	31.35	-17.10	120.00	
ALB00000	34.20	20.02	41.11	1.60	1.60	90.00	52.50	18.58	6.88	4.65	29.14	-29.90	69.80	
SWZ00000	37.20	31.29	-26.35	1.60	1.60	90.00	52.50	18.03	6.88	4.65	43.11	-26.80	89.20	
LBN00000	39.80	35.80	33.83	1.60	1.60	90.00	52.50	18.03	6.88	4.65	36.67	-31.60	103.20	
PAK00000	42.10	69.66	29.79	2.65	2.24	18.63	52.87	20.78	6.88	4.65	35.65	38.40	112.10	
LIE00000	42.50	9.50	47.20	1.60	1.60	90.00	52.50	18.52	6.88	4.65	28.13	-36.50	55.50	
ETH00000	43.60	40.40	10.38	3.13	2.94	162.77	53.04	20.22	6.88	4.65	37.57	-16.70	97.70	
S 00000	44.90	18.01	60.85	2.13	1.60	27.68	52.50	20.88	6.88	4.65	29.46	-7.00	47.10	
I 00000	47.50	13.16	40.80	1.95	1.60	54.33	52.50	20.52	6.88	4.65	27.61	-32.90	54.10	
CYPSBA00	49.20	32.95	34.58	1.60	1.60	90.00	52.50	18.21	6.88	4.65	31.95	44.70	59.20	
GIB00000	49.20	-5.35	36.15	1.60	1.60	90.00	52.50	18.86	6.88	4.65	31.08	44.70	59.20	
HKG00000	49.20	114.50	22.42	1.60	1.60	90.00	52.50	19.79	6.88	4.65	38.26	44.70	59.20	
MDGOIFRB	49.60	46.57	-18.43	2.87	1.60	80.15	53.32	20.52	6.88	4.65	33.35	9.10	84.50	

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT. 14	1
CME00000	50.00	13.47	5.86	2.73	1.60	81.99	54.82	21.22	6.88	4.65	30.63	-27.30	52.40		
AUT00000	52.50	13.57	47.66	1.60	1.60	90.00	52.50	19.31	6.88	4.65	28.46	-27.90	55.30		
ZAI0IFRB	54.80	24.60	-4.55	3.99	3.49	95.37	59.72	21.44	6.88	4.65	34.77	-23.60	62.60		
CVA00000	56.30	12.50	41.88	1.60	1.60	90.00	52.50	18.70	6.88	4.65	29.14	-38.10	63.10		
URS00001	60.10	57.35	48.29	7.54	3.47	177.16	58.91	21.35	6.88	4.65	34.04	56.70	65.40		
THA00000	63.80	100.45	13.00	2.98	1.60	102.00	54.95	21.19	6.88	4.65	35.52	58.60	137.20		
MLT00000	64.20	14.68	36.12	1.60	1.60	90.00	52.50	18.77	6.88	4.65	30.90	-39.10	68.50		
ZMBOIFRB	64.60	28.05	-12.88	2.01	1.69	51.50	52.50	20.26	6.88	4.65	32.93	-27.90	82.50		
BUL00000	66.90	25.05	42.86	1.60	1.60	90.00	52.50	19.34	6.88	4.65	29.08	-20.60	71.50		
SDN00001	67.80	30.31	10.08	2.75	2.02	103.37	52.80	20.77	6.88	4.65	36.12	-31.90	92.90		
SDN00002	67.80	30.54	16.81	3.01	2.10	48.18	52.50	20.56	6.88	4.65	34.77	-31.90	92.90		
IND00000	72.10	82.62	18.90	6.47	4.99	116.95	62.57	21.35	6.88	4.65	38.69	51.30	116.40		
AFS00000	72.70	27.35	-30.18	5.48	1.60	127.87	54.27	21.27	6.88	4.65	33.02	-25.80	84.20		
BDI00000	73.80	29.96	-3.12	1.60	1.60	90.00	52.50	18.71	6.88	4.65	30.43	-30.50	90.40		
SYR00000	74.10	37.04	35.76	1.75	1.60	19.04	52.50	20.35	6.88	4.65	30.78	-15.50	91.50		
CHN00002	78.80	113.18	15.73	4.57	2.28	90.15	58.13	21.28	6.88	4.65	37.13	74.60	151.30		
MOZOIFRB	80.40	35.29	-17.19	3.32	1.60	93.04	53.70	21.20	6.88	4.65	31.56	-10.60	90.60		
MAU0IFRB	80.90	57.50	-20.17	1.60	1.60	90.00	52.50	18.38	6.88	4.65	31.38	8.00	107.00		
IRN00000	81.30	55.73	32.44	2.73	2.42	146.67	52.50	20.71	6.88	4.65	32.53	-4.10	97.00		
RRW0IFRB	82.80	30.00	-2.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	32.24	-31.80	91.80		
LAOOIFRB	87.40	103.77	18.18	2.17	1.60	132.74	52.50	20.24	6.88	4.65	29.46	56.60	149.90		
URS00002	89.10	95.56	48.64	9.82	3.18	175.23	60.34	21.75	6.88	4.65	35.40	87.70	98.00		
MLA00000	89.90	107.51	3.99	3.72	1.60	2.68	55.10	20.92	6.88	4.65	31.22	74.80	143.20		
ISR00000	90.60	34.83	31.09	1.60	1.60	90.00	52.50	19.60	6.88	4.65	31.41	-20.40	90.80		
BRM0IFRB	92.80	96.90	18.89	3.44	1.85	97.94	55.15	20.86	6.88	4.65	30.08	57.60	131.00		
COM0IFRB	93.20	44.10	-12.17	1.60	1.60	90.00	52.50	18.95	6.88	4.65	29.80	-7.30	95.50		
MLD0IFRB	93.60	73.14	2.48	2.50	1.60	88.96	52.50	20.34	6.88	4.65	32.78	21.10	124.90		
KEN00000	95.20	38.88	0.32	2.03	1.60	93.92	52.50	20.67	6.88	4.65	30.14	-19.80	95.70		
BRU0IFRB	97.20	114.60	4.50	1.60	1.60	90.00	52.50	18.47	6.88	4.65	32.51	71.50	157.70		
ARS00000	97.50	47.50	23.18	3.09	1.86	69.49	52.50	20.89	6.88	4.65	29.49	-13.80	103.20		
SEY0IFRB	98.00	55.40	-4.50	1.60	1.60	90.00	52.50	18.70	6.88	4.65	30.72	3.10	107.70		
CHN00001	100.20	103.74	35.07	8.28	4.51	1.14	62.13	21.53	6.88	4.65	36.50	90.40	139.40		
SNG00000	101.30	103.85	1.28	1.60	1.60	90.00	52.50	18.35	6.88	4.65	31.15	60.60	147.10		
SOM0IFRB	101.70	46.15	5.81	3.04	1.60	73.58	52.50	21.01	6.88	4.65	30.59	-20.00	102.70		
ADL00000	113.70	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	36.66	113.00	114.30		
KER00000	113.70	69.39	-43.93	2.00	1.73	163.52	52.50	20.86	6.88	4.65	36.28	113.00	114.30		
NCL00000	113.70	165.78	-21.41	1.60	1.60	90.00	52.50	19.40	6.88	4.65	33.00	113.00	114.30		
REU00002	113.70	55.58	-21.12	1.60	1.60	90.00	52.50	19.46	6.88	4.65	36.46	113.00	114.30		
WAL00000	113.70	182.85	-13.80	1.60	1.60	90.00	52.75	20.15	6.88	4.65	33.96	113.00	114.30		
MNG00000	114.00	103.75	46.82	3.84	1.60	2.57	52.50	20.80	6.88	4.65	29.95	60.40	148.90		
INS00000	116.50	117.80	-1.71	9.50	4.55	169.72	63.98	21.25	6.88	4.65	40.87	98.50	135.30		
J 00000	121.60	138.91	30.45	5.64	4.03	179.22	59.67	21.26	6.88	4.65	37.47	101.20	170.90		
BGD00000	122.50	90.12	24.00	1.60	1.60	90.00	52.50	19.42	6.88	4.65	27.42	44.60	135.50		
CLN00000	122.90	80.09	7.67	1.60	1.60	90.00	52.50	18.82	6.88	4.65	30.65	28.10	131.90		
AFG00000	124.40	69.01	33.39	2.22	1.60	37.02	52.50	20.85	6.88	4.65	30.30	8.40	128.30		
CBG0IFRB	125.10	105.30	12.74	1.60	1.60	90.00	52.50	19.74	6.88	4.65	34.32	61.20	144.20		
NPL0IFRB	128.20	84.32	28.24	1.60	1.60	90.00	52.50	19.18	6.88	4.65	30.71	30.30	137.60		
URS00003	138.50	134.91	52.65	7.27	2.64	5.33	57.80	21.62	6.88	4.65	28.16	138.50	140.60		
AUS00001	138.90	134.11	-24.52	6.76	5.68	156.11	64.33	21.65	6.88	4.65	33.96	102.20	148.10		
AUS00002	138.90	163.30	-30.04	1.72	1.60	17.06	52.50	20.16	6.88	4.65	33.70	102.20	148.10		
AUS00003	138.90	101.47	-11.19	1.60	1.60	90.00	52.50	19.61	6.88	4.65	33.05	102.20	148.10		
AUS00004	138.90	158.97	-54.47	1.60	1.60	90.00	52.50	18.42	6.88	4.65	33.54	102.20	148.10		

ORB(2)/242-F/E/S

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SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	14
AUS00005	138.90	110.42	-66.27	1.60	1.60	90.00	52.50	18.71	6.88	4.65	33.56	102.20	148.10	
TUV00000	140.70	179.16	-8.50	1.60	1.60	90.00	52.50	18.60	6.88	4.65	28.42	127.30	179.00	
NRU0IFRB	141.20	166.90	-0.50	1.60	1.60	90.00	52.50	18.29	6.88	4.65	27.40	114.50	179.00	
VTN00000	141.60	109.27	14.13	3.24	2.60	99.54	57.70	21.36	6.88	4.65	34.36	70.80	146.00	
SLM0IFRB	145.00	158.99	-9.02	1.70	1.60	147.21	52.50	20.27	6.88	4.65	27.16	120.40	179.00	
FJI0IFRB	145.40	178.50	-17.17	1.60	1.60	90.00	52.50	18.54	6.88	4.65	27.55	128.20	179.00	
KIROIFRB	146.40	173.00	1.00	1.60	1.60	90.00	52.50	18.31	6.88	4.65	34.66	120.60	179.00	
VUTOIFRB	147.00	168.15	-17.26	1.60	1.60	90.00	52.50	19.72	6.88	4.65	28.68	127.40	179.00	
KRE00000	147.40	127.74	39.91	1.60	1.60	90.00	52.50	20.39	6.88	4.65	27.23	95.40	161.70	
PHL0IFRB	148.20	122.01	11.36	3.53	1.89	82.11	56.09	21.22	6.88	4.65	31.33	83.00	159.80	
PNG00000	150.10	148.29	-6.66	3.51	2.47	167.43	56.24	20.75	6.88	4.65	33.00	114.20	179.00	
KOR00000	151.10	128.32	35.81	1.60	1.60	90.00	52.50	19.82	6.88	4.65	26.19	83.00	169.60	
MAC00000	151.40	113.57	22.17	1.60	1.60	90.00	52.50	18.71	6.88	4.65	26.57	64.70	162.40	
NZL00001	158.90	171.72	-44.99	4.95	1.60	54.68	53.99	21.58	6.88	4.65	49.79	150.90	179.00	
NZL00002	158.90	194.79	-13.30	2.85	2.48	86.31	55.07	21.27	6.88	4.65	49.44	150.90	179.00	

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 ORB(2)/242-F/E/S

IFRB CONFERENCE PREPARATION

ANNEX 2

<u>COLUMN</u>	<u>DESCRIPTION</u>
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

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
ABW00000	-89.60	-69.05	12.41	1.60	1.60	90.00	52.50	18.45	6.88	4.65	29.50	-119.40	-18.90		
ADL00000	113.70	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	36.66	113.00	114.30		
AFG00000	124.40	69.01	33.39	2.22	1.60	37.02	52.50	20.85	6.88	4.65	30.30	8.40	128.30		
AFS00000	72.70	27.35	-30.18	5.48	1.60	127.87	54.27	21.27	6.88	4.65	33.02	-25.80	84.20		
AGL0IFRB	7.70	16.58	-12.49	3.05	2.64	163.11	52.56	20.24	6.88	4.65	31.67	-37.20	74.10		
ALB00000	34.20	20.02	41.11	1.60	1.60	90.00	52.50	18.58	6.88	4.65	29.14	-29.90	69.80		
ALG00000	-41.30	1.35	27.74	3.44	2.13	127.59	53.43	20.95	6.88	4.65	27.91	-45.30	52.00		
ALS00000	-158.40	-158.42	57.52	6.47	1.72	1.13	54.41	21.04	6.88	4.65	50.92	-169.80	-158.20		
AND00000	-48.20	1.53	42.52	1.60	1.60	90.00	52.50	18.75	6.88	4.65	30.31	-48.60	51.70		
ARG00000	-41.70	-61.43	-33.86	5.00	2.84	105.63	59.74	21.75	6.88	4.65	37.02	-50.10	-19.10		
ARGINSL	-41.70	-59.11	-57.56	4.18	1.60	153.33	52.55	21.42	6.88	4.65	35.98	-50.10	-19.10		
ARS00000	97.50	47.50	23.18	3.09	1.86	69.49	52.50	20.89	6.88	4.65	29.49	-13.80	103.20		
ASCSTHTC	-29.40	-11.43	-19.59	5.81	2.13	80.81	54.66	20.72	6.88	4.65	35.35	-38.50	-27.10		
ATGOIFRB	-86.10	-61.80	17.00	1.60	1.60	90.00	52.50	18.36	6.88	4.65	30.08	-112.20	-11.40		
ATN00000	-11.40	-65.66	15.08	1.60	1.60	90.00	52.50	20.90	6.88	4.65	35.39	-50.10	1.90		
AUS00001	138.90	134.11	-24.52	6.76	5.68	156.11	64.33	21.65	6.88	4.65	33.96	102.20	148.10		
AUS00002	138.90	163.30	-30.04	1.72	1.60	17.06	52.50	20.16	6.88	4.65	33.70	102.20	148.10		
AUS00003	138.90	101.47	-11.19	1.60	1.60	90.00	52.50	19.61	6.88	4.65	33.05	102.20	148.10		
AUS00004	138.90	158.97	-54.47	1.60	1.60	90.00	52.50	18.42	6.88	4.65	33.54	102.20	148.10		
AUS00005	138.90	110.42	-66.27	1.60	1.60	90.00	52.50	18.71	6.88	4.65	33.56	102.20	148.10		
AUT00000	52.50	13.57	47.66	1.60	1.60	90.00	52.50	19.31	6.88	4.65	28.46	-27.90	55.30		
AZR00000	-67.50	-28.12	38.68	1.60	1.60	90.00	52.50	19.04	6.88	4.65	31.16	-71.40	34.50		
B 00001	-82.60	-63.17	-6.01	4.33	3.87	67.38	59.93	21.25	6.88	4.65	33.67	-97.00	-31.20		
B 00002	-49.10	-44.97	-6.32	5.08	4.23	156.08	60.47	21.07	6.88	4.65	39.61	-84.70	-13.50		
B 00003	-71.40	-50.08	-20.94	4.43	3.06	60.30	58.81	21.38	6.88	4.65	37.41	-88.80	-15.20		
BAHOIFRB	-93.00	-75.78	24.11	1.90	1.60	132.67	52.50	20.26	6.88	4.65	32.82	-121.10	-32.20		
BDI00000	73.80	29.96	-3.12	1.60	1.60	90.00	52.50	18.71	6.88	4.65	30.43	-30.50	90.40		
BEL00000	-52.00	4.11	50.31	1.60	1.60	90.00	52.50	19.05	6.88	4.65	30.09	-53.60	62.00		
BEN00000	-37.70	2.24	9.29	1.60	1.60	90.00	52.50	20.25	6.88	4.65	29.95	-40.20	44.70		
BERCAYMS	-29.40	-68.33	22.53	3.71	2.10	47.87	56.68	21.79	6.88	4.65	36.08	-38.50	-27.10		
BFA00000	-54.10	-1.37	12.21	1.60	1.60	90.00	52.50	19.99	6.88	4.65	32.83	-54.60	46.20		
BGD00000	122.50	90.12	24.00	1.60	1.60	90.00	52.50	19.42	6.88	4.65	27.42	44.60	135.50		
BHR00000	25.30	50.60	26.07	1.60	1.60	90.00	52.50	18.03	6.88	4.65	28.95	-18.60	119.80		
BLZ00000	-127.90	-88.63	17.24	1.60	1.60	90.00	52.50	18.87	6.88	4.65	30.19	-138.40	-38.70		
BOL00000	-58.30	-64.62	-17.08	2.92	2.27	138.22	55.05	20.77	6.88	4.65	34.98	-97.30	-23.20		
BOT00000	13.20	24.00	-21.77	1.64	1.60	61.03	52.50	19.90	6.88	4.65	32.83	-41.70	89.90		
BRB00IFRB	-92.10	-59.60	13.17	1.60	1.60	90.00	52.50	18.48	6.88	4.65	29.50	-110.80	-8.40		
BRMOIFRB	92.80	96.90	18.89	3.44	1.85	97.94	55.15	20.86	6.88	4.65	30.08	57.60	131.00		
BRUOIFRB	97.20	114.60	4.50	1.60	1.60	90.00	52.50	18.47	6.88	4.65	32.51	71.50	157.70		
BUL00000	66.90	25.05	42.86	1.60	1.60	90.00	52.50	19.34	6.88	4.65	29.08	-20.60	71.50		
CAF00IFRB	-3.30	21.32	6.44	2.56	1.87	15.96	53.71	20.71	6.88	4.65	33.21	-24.80	57.60		
CANOEAST	-85.30	-73.49	50.25	4.88	2.54	165.46	55.67	21.19	6.88	4.65	37.92	-108.00	-54.90		
CANOCENT	-106.10	-95.47	51.44	4.41	2.38	158.69	54.93	21.26	6.88	4.65	30.62	-115.10	-101.00		
CANOWEST	-115.40	-120.09	57.39	3.26	2.05	173.00	52.50	20.98	6.88	4.65	28.86	-119.00	-113.70		
CAR00000	-158.40	-185.95	4.54	10.44	2.63	175.19	66.46	23.91	6.88	4.65	55.63	-169.80	-158.20		
CBG00IFRB	125.10	105.30	12.74	1.60	1.60	90.00	52.50	19.74	6.88	4.65	34.32	61.20	144.20		
CHL00000	-87.20	-85.10	-32.68	7.72	6.60	177.76	61.52	21.57	6.88	4.65	34.08	-96.40	-53.60		
CHN00001	100.20	103.74	35.07	8.28	4.51	1.14	62.13	21.53	6.88	4.65	36.50	90.40	139.40		
CHN00002	78.80	113.18	15.73	4.57	2.28	90.15	58.13	21.28	6.88	4.65	37.13	74.60	151.30		
CLM00000	-106.60	-74.56	5.93	4.12	2.05	116.94	57.66	21.35	6.88	4.65	32.82	-110.10	-39.90		
CLN00000	122.90	80.09	7.67	1.60	1.60	90.00	52.50	18.82	6.88	4.65	30.65	28.10	131.90		
CME00000	50.00	13.47	5.86	2.73	1.60	81.99	54.82	21.22	6.88	4.65	30.63	-27.30	52.40		

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SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
CNR00000	-56.70	-16.36	28.32	1.60	1.60	90.00	52.50	18.70	6.88	4.65	33.89	-61.10	50.70		
COGOIFRB	-11.80	14.83	-0.50	2.21	1.60	60.36	52.74	20.68	6.88	4.65	32.45	-24.70	56.50		
COMOIFRB	93.20	44.10	-12.17	1.60	1.60	90.00	52.50	18.95	6.88	4.65	29.80	-7.30	95.50		
CPVOIFRB	-93.60	-24.10	16.00	1.60	1.60	90.00	52.50	18.94	6.88	4.65	38.77	-94.70	46.50		
CTI00000	-42.90	-6.06	7.80	1.60	1.60	90.00	52.50	20.19	6.88	4.65	30.38	-46.50	35.60		
CTR00000	-84.60	-85.30	8.21	1.60	1.60	90.00	52.50	19.83	6.88	4.65	31.78	-125.40	-44.00		
CUB00000	-69.60	-79.45	21.13	2.10	1.60	172.66	52.50	20.41	6.88	4.65	30.24	-123.50	-36.10		
CVA00000	56.30	12.50	41.88	1.60	1.60	90.00	52.50	18.70	6.88	4.65	29.20	-21.50	63.10		
CYP00000	-2.90	33.20	35.10	1.60	1.60	90.00	52.50	18.46	6.88	4.65	29.14	-38.10	87.90		
CYPSBA00	49.20	32.95	34.58	1.60	1.60	90.00	52.50	18.21	6.88	4.65	31.95	44.70	59.20		
D 00000	31.00	9.42	50.98	1.60	1.60	90.00	52.50	19.63	6.88	4.65	28.52	-30.40	53.10		
DDR00000	25.70	13.26	51.87	1.60	1.60	90.00	52.50	19.18	6.88	4.65	28.55	-26.80	51.70		
DJIOIFRB	30.40	42.60	11.67	1.60	1.60	90.00	52.50	17.79	6.88	4.65	35.47	-28.40	113.60		
DMA0IFRB	-76.60	-61.30	15.33	1.60	1.60	90.00	52.50	18.22	6.88	4.65	30.90	-112.10	-10.50		
DNK00001	-18.40	10.97	55.95	1.60	1.60	90.00	52.50	19.35	6.88	4.65	27.89	-40.80	62.20		
DNK00002	-39.60	10.72	55.79	1.60	1.60	90.00	52.50	19.37	6.88	4.65	28.61	-40.80	-30.20		
DNK000FAR	-39.60	-7.18	61.74	1.60	1.60	90.00	52.50	18.83	6.88	4.65	36.62	-40.80	-30.20		
DOM0IFRB	-75.10	-70.40	18.67	1.60	1.60	90.00	52.50	18.19	6.88	4.65	31.10	-120.30	-20.50		
E 00002	-56.70	-4.84	40.26	1.71	1.60	139.78	52.50	20.74	6.88	4.65	32.01	-61.10	50.70		
EGY00000	3.80	29.38	26.31	2.66	1.99	140.73	52.50	20.28	6.88	4.65	29.25	-33.70	93.30		
EQA00000	-63.80	-82.28	-1.42	3.36	1.61	172.24	54.34	20.89	6.88	4.65	31.59	-122.10	-39.20		
ETH00000	43.60	40.40	10.38	3.13	2.94	162.77	53.04	20.22	6.88	4.65	37.57	-16.70	97.70		
F 00000	-2.00	3.03	45.90	2.33	1.60	167.08	52.50	20.58	6.88	4.65	30.50	-13.90	5.70		
FJIOIFRB	145.40	178.50	-17.17	1.60	1.60	90.00	52.50	18.54	6.88	4.65	27.55	128.20	179.00		
FLKSTGGL	-29.40	-45.64	-59.63	4.03	1.60	166.30	52.50	21.10	6.88	4.65	31.81	-38.50	-27.10		
FNL00000	15.30	25.38	63.88	1.60	1.60	90.00	52.50	19.80	6.88	4.65	30.16	7.10	46.80		
G 00000	-29.40	-3.67	54.10	1.77	1.60	153.77	52.50	20.43	6.88	4.65	32.11	-38.50	-27.10		
GAB0IFRB	-30.00	12.02	-0.92	1.60	1.60	90.00	52.50	20.41	6.88	4.65	31.36	-30.00	52.80		
GDL00000	-2.00	-61.70	16.60	1.60	1.60	90.00	52.50	19.93	6.88	4.65	38.30	-13.90	5.70		
GDL00002	-115.70	-61.76	16.37	1.60	1.60	90.00	52.50	19.67	6.88	4.65	30.14	-123.20	-81.20		
GHA00000	31.70	-1.27	7.94	1.60	1.60	90.00	52.50	20.37	6.88	4.65	30.08	-41.70	39.30		
GIB00000	49.20	-5.35	36.15	1.60	1.60	90.00	52.50	18.86	6.88	4.65	31.08	44.70	59.20		
GMB00000	-77.20	-16.40	13.40	1.60	1.60	90.00	52.50	18.86	6.88	4.65	33.27	-77.30	44.50		
GNB0IFRB	22.70	-15.40	12.00	1.60	1.60	90.00	52.50	18.26	6.88	4.65	36.06	-76.50	45.70		
GNE0IFRB	16.20	10.50	1.67	1.60	1.60	90.00	52.50	18.36	6.88	4.65	38.30	-32.80	53.80		
GRC00000	-7.70	24.58	38.16	1.81	1.60	155.97	52.50	20.47	6.88	4.65	30.20	-24.40	71.40		
GRD0IFRB	-59.30	-61.60	12.00	1.60	1.60	90.00	52.50	18.11	6.88	4.65	30.14	-113.00	-10.20		
GRL00000	-39.60	-40.54	67.91	2.38	1.60	178.36	52.50	20.93	6.88	4.65	37.95	-40.80	-30.20		
GTM00000	-81.70	-90.48	15.78	1.60	1.60	90.00	52.50	18.92	6.88	4.65	31.88	-139.30	-41.40		
GUF00000	-2.00	-52.98	4.20	1.60	1.60	90.00	52.50	19.84	6.88	4.65	44.18	-13.90	5.70		
GUF00002	-115.70	-53.05	4.49	1.60	1.60	90.00	53.54	20.63	6.88	4.65	32.72	-123.20	-81.20		
GUI0IFRB	2.50	-10.93	10.17	1.73	1.60	158.37	52.50	20.30	6.88	4.65	36.15	-51.80	33.80		
GUMMRA00	-158.40	-214.27	16.67	1.88	1.60	75.71	52.90	21.33	6.88	4.65	51.39	-169.80	-158.20		
GUY00000	-39.20	-59.30	4.72	1.63	1.60	96.11	52.50	20.24	6.88	4.65	33.19	-100.10	-18.30		
HKG00000	49.20	114.50	22.42	1.60	1.60	90.00	52.50	19.79	6.88	4.65	38.26	44.70	59.20		
HND00000	-74.20	-86.11	15.46	1.60	1.60	90.00	52.50	20.03	6.88	4.65	32.51	-123.80	-48.10		
HNG00000	* 5.60	* 19.29	47.14	1.60	1.60	90.00	52.50	19.08	6.88	4.65	30.64	-22.20	62.40		
HOL00000	-11.40	5.35	52.30	1.60	1.60	90.00	52.50	18.60	6.88	4.65	28.58	-50.10	1.90		
HTIOIFRB	-51.60	-73.00	18.83	1.60	1.60	90.00	52.50	18.33	6.88	4.65	35.87	-122.90	-23.10		
HWA00000	-158.40	-157.69	20.51	1.60	1.60	90.00	52.50	19.78	6.88	4.65	68.32	-169.80	-158.20		
HWL00000	-158.40	-176.58	0.08	1.60	1.60	90.00	52.50	18.18	6.88	4.65	60.88	-169.80	-158.20		
I 00000	47.50	13.16	40.80	1.95	1.60	54.33	52.50	20.52	6.88	4.65	27.61	-32.90	54.10		

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SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	
IND000000	72.10	82.62	18.90	6.47	4.99	116.95	62.57	21.35	6.88	4.65	38.69	51.30	116.40	
INS000000	116.50	117.80	-1.71	9.50	4.55	169.72	63.98	21.25	6.88	4.65	40.87	98.50	135.30	
IRL000000	14.50	-8.12	53.25	1.60	1.60	90.00	52.50	18.99	6.88	4.65	30.43	-41.00	25.70	
IRN000000	81.30	55.73	32.44	2.73	2.42	146.67	52.50	20.71	6.88	4.65	32.53	-4.10	97.00	
IRQ000000	7.10	44.23	32.93	1.94	1.60	143.90	52.50	20.25	6.88	4.65	30.11	-19.80	106.60	
ISL000000	-8.20	-19.61	64.87	1.60	1.60	90.00	52.50	19.35	6.88	4.65	32.87	-53.00	14.80	
ISR000000	90.60	34.83	31.09	1.60	1.60	90.00	52.50	19.60	6.88	4.65	31.41	-20.40	90.80	
J 000000	121.60	138.91	30.45	5.64	4.03	179.22	59.67	21.26	6.88	4.65	37.47	101.20	170.90	
JAR000000	-158.40	-160.00	-0.38	1.60	1.60	90.00	52.50	18.07	6.88	4.65	62.07	-169.80	-158.20	
JMC000000	-88.10	-77.59	18.18	1.60	1.60	90.00	52.50	18.23	6.88	4.65	29.63	-127.50	-27.80	
JON000000	-158.40	-168.50	17.00	1.60	1.60	90.00	52.50	17.81	6.88	4.65	68.02	-169.80	-158.20	
JOR000000	22.00	36.22	31.16	1.60	1.60	90.00	52.50	18.78	6.88	4.65	32.07	-28.80	102.90	
KEN000000	95.20	38.88	0.32	2.03	1.60	93.92	52.50	20.67	6.88	4.65	30.14	-19.80	95.70	
KER000000	113.70	69.39	-43.93	2.00	1.73	163.52	52.50	20.86	6.88	4.65	36.28	113.00	114.30	
KIROIFRB	146.40	173.00	1.00	1.60	1.60	90.00	52.50	18.31	6.88	4.65	34.66	120.60	179.00	
KOR000000	151.10	128.32	35.81	1.60	1.60	90.00	52.50	19.82	6.88	4.65	26.19	83.00	169.60	
KRE000000	147.40	127.74	39.91	1.60	1.60	90.00	52.50	20.39	6.88	4.65	27.23	95.40	161.70	
KWT000000	12.50	47.94	29.25	1.60	1.60	90.00	52.50	18.34	6.88	4.65	30.81	-20.20	115.30	
LA00IFRB	87.40	103.77	18.18	2.17	1.60	132.74	52.50	20.24	6.88	4.65	29.46	56.60	149.90	
LBN000000	39.80	35.80	33.83	1.60	1.60	90.00	52.50	18.03	6.88	4.65	36.67	-31.60	103.20	
LBR000000	-8.50	-9.20	6.28	1.60	1.60	90.00	52.50	19.23	6.88	4.65	29.78	-50.40	35.50	
LBY000000	13.70	18.92	26.02	3.53	2.65	154.63	54.19	20.58	6.88	4.65	30.56	-19.20	54.90	
LIE000000	42.50	9.50	47.20	1.60	1.60	90.00	52.50	18.52	6.88	4.65	28.13	-36.50	55.50	
LS00IFRB	24.60	28.40	-29.50	1.60	1.60	90.00	52.50	17.96	6.88	4.65	39.57	-40.10	96.90	
LUX000000	21.10	6.16	49.69	1.60	1.60	90.00	52.50	18.38	6.88	4.65	28.34	-53.90	66.10	
MAC000000	151.40	113.57	22.17	1.60	1.60	90.00	52.50	18.71	6.88	4.65	26.57	64.70	162.40	
MAU0IFRB	80.90	57.50	-20.17	1.60	1.60	90.00	52.50	18.38	6.88	4.65	31.38	8.00	107.00	
MC000000	-37.00	7.40	43.67	1.60	1.60	90.00	52.50	18.89	6.88	4.65	28.30	-41.80	56.60	
MDG0IFRB	49.60	46.57	-18.43	2.87	1.60	80.15	53.32	20.52	6.88	4.65	33.35	9.10	84.50	
MDR000000	-67.50	-16.52	31.88	1.60	1.60	90.00	52.50	19.07	6.88	4.65	32.13	-71.40	34.50	
MDW000000	-158.40	-177.42	28.22	1.60	1.60	90.00	52.50	18.01	6.88	4.65	63.79	-169.80	-158.20	
MEX000000	-119.90	-103.84	23.35	5.74	2.47	158.58	57.67	21.15	6.88	4.65	35.26	-136.10	-61.00	
MLA000000	89.90	107.51	3.99	3.72	1.60	2.68	55.10	20.92	6.88	4.65	31.22	74.80	143.20	
MLD0IFRB	93.60	73.14	2.48	2.50	1.60	88.96	52.50	20.34	6.88	4.65	32.78	21.10	124.90	
MLI0IFRB	-59.90	-5.41	17.70	2.66	1.60	106.04	53.52	21.38	6.88	4.65	33.28	-59.90	43.30	
MLT000000	64.20	14.68	36.12	1.60	1.60	90.00	52.50	18.77	6.88	4.65	30.90	-39.10	68.50	
MNG000000	114.00	103.75	46.82	3.84	1.60	2.57	52.50	20.80	6.88	4.65	29.95	60.40	148.90	
MOZ0IFRB	80.40	35.29	-17.19	3.32	1.60	93.04	53.70	21.20	6.88	4.65	31.56	-10.60	90.60	
MRC000000	19.00	-8.51	28.63	4.10	1.60	41.32	52.50	20.70	6.88	4.65	32.21	-56.80	48.50	
MRL000000	-158.40	-184.69	8.73	2.51	1.62	92.90	53.54	20.88	6.88	4.65	57.75	-169.80	-158.20	
MTN0IFRB	-72.00	-10.76	20.31	2.43	1.60	108.79	52.50	21.07	6.88	4.65	30.70	-72.80	44.20	
MWI0IFRB	31.50	34.16	-13.30	1.75	1.60	102.34	52.50	19.62	6.88	4.65	30.54	-25.00	93.70	
MYT000000	-2.00	-45.20	-12.83	1.60	1.60	90.00	52.50	18.76	6.88	4.65	46.86	-13.90	5.70	
NCG0IFRB	-116.60	-84.70	12.87	1.60	1.60	90.00	52.50	19.56	6.88	4.65	29.12	-124.40	-45.90	
NCL000000	113.70	165.78	-21.41	1.60	1.60	90.00	52.50	19.40	6.88	4.65	33.00	113.00	114.30	
NGR0IFRB	27.60	8.56	17.27	3.23	2.13	28.02	52.50	20.35	6.88	4.65	32.41	-54.50	64.60	
NIG000000	9.80	7.60	9.75	2.94	2.04	30.41	54.61	20.72	6.88	4.65	36.09	-29.60	49.60	
NMB0IFRB	1.70	18.40	-21.04	2.86	2.70	54.48	52.50	20.22	6.88	4.65	32.38	-45.40	82.50	
NOR000000	8.80	11.99	63.75	2.33	1.60	15.03	52.50	20.97	6.88	4.65	29.62	2.90	29.10	
NPL0IFRB	128.20	84.32	28.24	1.60	1.60	90.00	52.50	19.18	6.88	4.65	30.71	30.30	137.60	
NRU0IFRB	141.20	166.90	-0.50	1.60	1.60	90.00	52.50	18.29	6.88	4.65	27.40	114.50	179.00	
NZL00001	158.90	171.72	-44.99	4.95	1.60	54.68	53.99	21.58	6.88	4.65	49.79	150.90	179.00	

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SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT. 14	1
NZL00002	158.90	194.79	-13.30	2.85	2.48	86.31	55.07	21.27	6.88	4.65	49.44	150.90	179.00		
OCE00000	-115.70	-141.85	-16.06	3.73	2.57	139.03	55.27	20.73	6.88	4.65	35.38	-123.20	-81.20		
OMA00000	2.10	54.82	21.57	1.89	1.60	99.86	52.50	20.41	6.88	4.65	30.97	-9.80	122.20		
PAK00000	42.10	69.66	29.79	2.65	2.24	18.63	52.87	20.78	6.88	4.65	35.65	38.40	112.10		
PHL0IFRB	148.20	122.01	11.36	3.53	1.89	82.11	56.09	21.22	6.88	4.65	31.33	83.00	159.80		
PLM00000	-158.40	-161.42	7.00	1.60	1.60	90.00	52.50	18.09	6.88	4.65	69.06	-169.80	-158.20		
PNG00000	150.10	148.29	-6.66	3.51	2.47	167.43	56.24	20.75	6.88	4.65	33.00	114.20	179.00		
PNR0IFRB	-53.70	-80.15	8.62	1.60	1.60	90.00	52.50	19.57	6.88	4.65	36.71	-120.00	-40.40		
POL00000	-5.40	18.41	51.19	1.60	1.60	90.00	52.50	20.12	6.88	4.65	29.06	-14.80	56.40		
POR00000	-67.50	-8.32	39.47	1.60	1.60	90.00	52.50	19.74	6.88	4.65	33.66	-71.40	34.50		
PRG00000	-28.90	-58.48	-23.22	2.05	1.60	133.17	53.09	20.87	6.88	4.65	30.87	-90.40	-23.20		
PRU00000	-118.10	-74.85	-8.39	3.57	1.86	92.77	56.75	21.57	6.88	4.65	34.72	-120.40	-38.20		
PTC00000	-58.70	-130.10	-25.07	1.60	1.60	90.00	52.50	18.85	6.88	4.65	32.95	-62.60	-58.50		
QAT00000	33.90	51.64	25.44	1.60	1.60	90.00	52.50	18.02	6.88	4.65	31.35	-17.10	120.00		
REU00000	-2.00	55.57	-21.12	1.60	1.60	90.00	52.50	19.42	6.88	4.65	45.56	-13.90	5.70		
REU00002	113.70	55.58	-21.12	1.60	1.60	90.00	52.50	19.46	6.88	4.65	36.46	113.00	114.30		
ROU00000	11.00	25.03	46.16	1.66	1.60	1.00	52.50	20.19	6.88	4.65	28.62	-16.40	66.50		
RRW0IFRB	82.80	30.00	-2.00	1.60	1.60	90.00	52.50	18.59	6.88	4.65	32.24	-31.80	91.80		
S 00000	44.90	18.01	60.85	2.13	1.60	27.68	52.50	20.88	6.88	4.65	29.46	-7.00	47.10		
SCN0IFRB	-95.60	-62.90	17.33	1.60	1.60	90.00	52.50	18.53	6.88	4.65	31.62	-113.20	-12.60		
SDN00001	67.80	30.31	10.08	2.75	2.02	103.37	52.80	20.77	6.88	4.65	36.12	-31.90	92.90		
SDN00002	67.80	30.54	16.81	3.01	2.10	48.18	52.50	20.56	6.88	4.65	34.77	-31.90	92.90		
SEN00000	-10.90	-14.17	13.69	1.60	1.60	90.00	52.50	19.52	6.88	4.65	30.33	-64.40	34.30		
SEY0IFRB	98.00	55.40	-4.50	1.60	1.60	90.00	52.50	18.70	6.88	4.65	30.72	3.10	107.70		
SLM0IFRB	145.00	158.99	-9.02	1.70	1.60	147.21	52.50	20.27	6.88	4.65	27.16	120.40	179.00		
SLV0IFRB	-47.90	-89.00	13.67	1.60	1.60	90.00	52.50	19.11	6.88	4.65	36.57	-130.50	-47.50		
SMA00000	-158.40	-170.70	-14.22	1.60	1.60	90.00	52.50	17.80	6.88	4.65	51.59	-169.80	-158.20		
SMR00000	17.20	12.46	43.95	1.60	1.60	90.00	52.50	18.33	6.88	4.65	28.05	-36.40	61.40		
SNG00000	101.30	103.85	1.28	1.60	1.60	90.00	52.50	18.35	6.88	4.65	31.15	60.60	147.10		
SOM0IFRB	101.70	46.15	5.81	3.04	1.60	73.58	52.50	21.01	6.88	4.65	30.59	-20.00	102.70		
SPM00000	-2.00	-56.40	46.96	1.60	1.60	90.00	52.50	19.00	6.88	4.65	46.95	-13.90	5.70		
SRLOIFRB	-36.40	-11.90	8.50	1.60	1.60	90.00	52.50	18.29	6.88	4.65	32.48	-63.80	40.00		
STPOIFRB	-15.00	7.00	1.00	1.60	1.60	90.00	52.50	18.23	6.88	4.65	33.51	-45.40	59.40		
SUI00000	-32.70	7.94	46.49	1.60	1.60	90.00	52.50	18.84	6.88	4.65	29.14	-35.90	52.70		
SUR0IFRB	-28.30	-55.37	3.87	1.60	1.60	90.00	52.50	19.44	6.88	4.65	32.91	-97.00	-15.00		
SWZ00000	37.20	31.29	-26.35	1.60	1.60	90.00	52.50	18.03	6.88	4.65	43.11	-26.80	89.20		
SYR00000	74.10	37.04	35.76	1.75	1.60	19.04	52.50	20.35	6.88	4.65	30.78	-15.50	91.50		
TCD0IFRB	-33.70	17.75	15.55	3.54	1.60	102.64	54.13	20.93	6.88	4.65	31.47	-36.50	67.50		
TCH00000	-14.40	17.32	49.59	1.60	1.60	90.00	52.50	19.96	6.88	4.65	27.34	-21.30	54.40		
TG000000	-32.20	0.81	8.58	1.60	1.60	90.00	52.50	19.76	6.88	4.65	29.50	-41.80	43.40		
THA00000	63.80	100.45	13.00	2.98	1.60	102.00	54.95	21.19	6.88	4.65	35.52	58.60	137.20		
TONOIFRB	-127.50	-175.17	-21.17	1.60	1.60	90.00	52.50	18.98	6.88	4.65	43.92	-175.00	-126.00		
TRD00000	-70.70	-61.09	10.83	1.60	1.60	90.00	52.50	18.17	6.88	4.65	31.41	-112.30	-9.90		
TUN00000	-16.70	8.76	33.27	1.60	1.60	90.00	52.50	19.89	6.88	4.65	29.49	-42.50	62.00		
TUR00000	28.40	35.72	35.61	3.37	2.50	154.06	53.79	20.71	6.88	4.65	30.48	-7.30	77.10		
TUV00000	140.70	179.16	-8.50	1.60	1.60	90.00	52.50	18.60	6.88	4.65	28.42	127.30	179.00		
TZA0IFRB	-18.70	34.52	-5.76	2.38	1.60	94.24	52.50	20.53	6.88	4.65	35.82	-21.30	91.40		
UAE00000	20.00	53.77	24.04	1.60	1.60	90.00	52.50	18.82	6.88	4.65	31.77	-12.70	120.30		
UGA0IFRB	3.30	32.17	1.11	1.60	1.60	90.00	52.50	19.53	6.88	4.65	31.83	-27.20	91.60		
URG00000	-107.20	-56.82	-33.47	1.60	1.60	90.00	52.50	19.76	6.88	4.65	34.16	-108.90	-3.50		
URS00001	60.10	57.35	48.29	7.54	3.47	177.16	58.91	21.35	6.88	4.65	34.04	56.70	65.40		
URS00002	89.10	95.56	48.64	9.82	3.18	175.23	60.34	21.75	6.88	4.65	35.40	87.70	98.00		

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SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
URS00003	138.50	134.91	52.65	7.27	2.64	5.33	57.80	21.62	6.88	4.65	28.16	138.50	140.60
USA VIRPT	-65.20	-80.02	31.32	8.45	4.83	174.65	62.47	21.75	6.88	4.65	34.98	-114.10	-63.50
VCT0IFRB	-55.00	-61.10	13.17	1.60	1.60	90.00	52.50	18.13	6.88	4.65	31.50	-112.30	-9.90
VEN00001	-129.00	-68.05	6.74	2.34	1.60	103.08	57.06	22.92	6.88	4.65	36.58	-131.00	-1.80
VEN00002	-129.00	-63.62	15.67	1.60	1.60	90.00	52.50	19.76	6.88	4.65	35.81	-131.00	-1.80
VTN00000	141.60	109.27	14.13	3.24	2.60	99.54	57.70	21.36	6.88	4.65	34.36	70.80	146.00
VUT0IFRB	147.00	168.15	-17.26	1.60	1.60	90.00	52.50	19.72	6.88	4.65	28.68	127.40	179.00
WAK00000	-158.40	-193.50	19.20	1.60	1.60	90.00	52.50	18.11	6.88	4.65	59.44	-169.80	-158.20
WAL00000	113.70	182.85	-13.80	1.60	1.60	90.00	52.75	20.15	6.88	4.65	33.96	113.00	114.30
YEM0IFRB	8.40	43.94	15.09	1.60	1.60	90.00	52.50	18.82	6.88	4.65	32.21	-24.30	113.20
YMS00000	23.50	49.64	14.37	2.27	1.60	7.71	52.50	19.99	6.88	4.65	29.86	-16.40	114.40
YUG00000	-20.80	16.83	43.21	1.67	1.60	146.59	52.50	20.56	6.88	4.65	29.24	-25.80	60.20
ZAI0IFRB	54.80	24.60	-4.55	3.99	3.49	95.37	59.72	21.44	6.88	4.65	34.77	-23.60	62.60
ZMBOIFRB	64.60	28.05	-12.88	2.01	1.69	51.50	52.50	20.26	6.88	4.65	32.93	-27.90	82.50
ZWE00000	22.30	30.98	-17.47	1.60	1.60	90.00	52.50	17.86	6.88	4.65	34.07	-29.30	91.30

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 ORB(2)/242-F/E/S

IFRB CONFERENCE PREPARATION

ANNEX 3

<u>COLUMN</u>	<u>DESCRIPTION</u>
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

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1
14

	1	2	3	4	5	6	7	8	9	10	11	12	13	
ALS00000	-158.40	-158.42	57.52	6.47	1.72	1.13	62.97	31.08	13.00	11.20	47.33	-169.80	-158.20	
CAR00000	-158.40	-185.95	4.54	10.44	2.63	175.19	73.75	38.47	13.00	11.20	53.08	-169.80	-158.20	
GUMMRA00	-158.40	-214.27	16.67	1.88	1.18	75.71	61.70	37.34	13.00	11.20	48.69	-169.80	-158.20	
HWA00000	-158.40	-157.69	20.51	1.43	1.20	157.31	59.56	36.31	13.00	11.20	68.09	-169.80	-158.20	
HWL00000	-158.40	-176.58	0.08	0.80	0.80	90.00	53.66	32.67	13.00	11.20	61.70	-169.80	-158.20	
JAR00000	-158.40	-160.00	-0.38	0.80	0.80	90.00	53.38	32.44	13.00	11.20	61.03	-169.80	-158.20	
JON00000	-158.40	-168.50	17.00	0.80	0.80	90.00	50.70	27.56	13.00	11.20	62.29	-169.80	-158.20	
MDW00000	-158.40	-177.42	28.22	0.80	0.80	90.00	50.70	27.85	13.00	11.20	58.38	-169.80	-158.20	
MRL00000	-158.40	-184.69	8.73	2.51	1.62	92.90	64.02	37.03	13.00	11.20	61.50	-169.80	-158.20	
PLM00000	-158.40	-161.42	7.00	0.80	0.80	90.00	53.35	32.43	13.00	11.20	67.32	-169.80	-158.20	
SMA00000	-158.40	-170.70	-14.22	0.80	0.80	90.00	50.70	27.54	13.00	11.20	43.93	-169.80	-158.20	
WAK00000	-158.40	-193.50	19.20	0.80	0.80	90.00	50.70	28.04	13.00	11.20	56.18	-169.80	-158.20	
VEN00001	-129.00	-68.05	6.74	2.34	1.14	103.08	62.88	37.72	13.00	11.20	39.03	-131.00	-1.80	
VEN00002	-129.00	-63.62	15.67	0.80	0.80	90.00	54.56	35.60	13.00	11.20	36.82	-131.00	-1.80	
BLZ00000	-127.90	-88.63	17.24	0.80	0.80	90.00	54.69	35.60	13.00	11.20	32.53	-138.40	-38.70	
TON01FRB	-127.50	-175.17	-21.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	46.78	-175.00	-126.00	
MEX00000	-119.90	-103.84	23.35	5.74	2.47	158.58	70.00	36.67	13.00	11.20	39.22	-136.10	-61.00	
PRU00000	-118.10	-74.85	-8.39	3.57	1.86	92.77	66.75	37.63	13.00	11.20	36.18	-120.40	-38.20	
NCG01FRB	-116.60	-84.70	12.87	1.14	1.20	63.72	58.50	36.24	13.00	11.20	29.21	-124.40	-45.90	
GDL00002	-115.70	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	32.59	-123.20	-81.20	
GUF00002	-115.70	-53.05	4.49	0.80	0.80	90.00	55.80	36.84	13.00	11.20	33.44	-123.20	-81.20	
OCE00000	-115.70	-141.85	-16.06	3.73	2.57	139.03	67.95	35.50	13.00	11.20	39.28	-123.20	-81.20	
CANOWEST	-115.40	-120.09	57.39	3.26	2.05	173.00	60.69	31.03	13.00	11.20	25.87	-119.00	-113.70	
URG00000	-107.20	-56.82	-33.47	1.26	1.15	55.27	57.53	33.29	13.00	11.20	31.38	-108.90	-3.50	
CLM00000	-106.60	-74.56	5.93	4.12	2.05	116.94	67.55	37.39	13.00	11.20	34.34	-110.10	-39.90	
CANOCENT	-106.10	-95.47	51.44	4.41	2.38	158.69	65.04	32.82	13.00	11.20	26.79	-115.10	-101.00	
SCN01FRB	-95.60	-62.90	17.33	0.80	0.80	90.00	53.94	34.11	13.00	11.20	34.06	-113.20	-12.60	
CPV01FRB	-93.60	-24.10	16.00	0.80	0.80	90.00	50.81	30.57	13.00	11.20	36.13	-94.70	46.50	
BAH01FRB	-93.00	-75.78	24.11	1.90	1.20	132.67	61.22	35.35	13.00	11.20	39.63	-121.10	-32.20	
BRB01FRB	-92.10	-59.60	13.17	0.80	0.80	90.00	53.91	33.87	13.00	11.20	36.06	-110.80	-8.40	
ABW00000	-89.60	-69.05	12.41	0.80	0.80	90.00	54.47	33.75	13.00	11.20	35.84	-119.40	-18.90	
JMC00000	-88.10	-77.59	18.18	0.80	0.80	90.00	53.79	32.88	13.00	11.20	32.92	-127.50	-27.80	
CHL00000	-87.20	-85.10	-32.68	7.72	6.60	177.76	69.94	31.50	13.00	11.20	29.13	-96.40	-53.60	
ATG01FRB	-86.10	-61.80	17.00	0.80	0.80	90.00	53.83	33.36	13.00	11.20	30.52	-112.20	-11.40	
CANOEAST	-85.30	-73.49	50.25	4.88	2.54	165.46	66.09	33.02	13.00	11.20	36.77	-108.00	-54.90	
CTR00000	-84.60	-85.30	8.21	1.52	1.20	58.09	59.78	36.27	13.00	11.20	34.61	-125.40	-44.00	
B 00001	-82.60	-63.17	-6.01	4.33	3.87	67.38	70.57	37.43	13.00	11.20	35.55	-97.00	-31.20	
GTM00000	-81.70	-90.48	15.78	0.99	1.18	151.77	57.65	34.08	13.00	11.20	31.77	-139.30	-41.40	
GMB00000	-77.20	-16.40	13.40	0.80	0.80	90.00	52.68	31.94	13.00	11.20	28.33	-77.30	44.50	
DMA01FRB	-76.60	-61.30	15.33	0.80	0.80	90.00	53.72	32.84	13.00	11.20	32.72	-112.10	-10.50	
DOM01FRB	-75.10	-70.40	18.67	0.80	0.80	90.00	53.68	32.70	13.00	11.20	32.96	-120.30	-20.50	
HND00000	-74.20	-86.11	15.46	1.54	1.20	26.27	59.96	36.39	13.00	11.20	35.20	-123.80	-48.10	
MTN01FRB	-72.00	-10.76	20.31	2.43	1.20	108.79	61.42	34.10	13.00	11.20	30.38	-72.80	44.20	
B 00003	-71.40	-50.08	-20.94	4.43	3.06	60.30	69.86	37.64	13.00	11.20	38.48	-88.80	-15.20	
TRD00000	-70.70	-61.09	10.83	0.80	0.80	90.00	53.60	32.66	13.00	11.20	31.38	-112.30	-9.90	
CUB00000	-69.60	-79.45	21.13	2.10	1.14	172.66	61.60	35.24	13.00	11.20	30.56	-123.50	-36.10	
AZR00000	-67.50	-28.12	38.68	0.80	0.80	90.00	51.58	31.73	13.00	11.20	27.61	-71.40	34.50	
MDR00000	-67.50	-16.52	31.88	0.80	0.80	90.00	52.19	32.02	13.00	11.20	30.08	-71.40	34.50	
POR00000	-67.50	-8.32	39.47	0.80	0.80	90.00	56.81	35.70	13.00	11.20	32.52	-71.40	34.50	
USAVIDRPT	-65.20	-80.02	31.32	8.45	4.83	174.65	75.24	36.22	13.00	11.20	38.58	-114.10	-63.50	
EQA00000	-63.80	-82.28	-1.42	3.36	1.61	172.24	65.38	37.15	13.00	11.20	33.01	-122.10	-39.20	
MLI01FRB	-59.90	-5.41	17.70	2.66	1.58	106.04	64.74	37.61	13.00	11.20	35.64	-59.90	43.30	

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SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

SLT. 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
GRD01FRB	-59.30	-61.60	12.00	0.80	0.80	90.00	53.42	32.48	13.00	11.20	30.35	-113.00	-10.20	
PTC00000	-58.70	-130.10	-25.07	0.80	0.80	90.00	50.70	28.68	13.00	11.20	26.09	-62.60	-58.50	
BOLO0000	-58.30	-64.62	-17.08	2.92	2.27	138.22	66.15	37.03	13.00	11.20	36.61	-97.30	-23.20	
CNR00000	-56.70	-16.36	28.32	0.80	0.80	90.00	50.70	30.01	13.00	11.20	29.99	-61.10	50.70	
E 00002	-56.70	-4.84	40.26	1.71	1.19	139.78	60.88	34.72	13.00	11.20	36.01	-61.10	50.70	
VCT01FRB	-55.00	-61.10	13.17	0.80	0.80	90.00	53.48	32.53	13.00	11.20	31.45	-112.30	-9.90	
BFA00000	-54.10	-1.37	12.21	1.24	1.17	84.34	59.34	36.83	13.00	11.20	31.31	-54.60	46.20	
PNR01FRB	-53.70	-80.15	8.62	1.26	1.20	10.36	58.95	36.26	13.00	11.20	39.90	-120.00	-40.40	
BEL00000	-52.00	4.11	50.31	0.80	0.80	90.00	50.70	30.67	13.00	11.20	28.14	-53.60	62.00	
HTI01FRB	-51.60	-73.00	18.83	0.80	0.80	90.00	53.79	33.24	13.00	11.20	37.42	-122.90	-23.10	
B 00002	-49.10	-44.97	-6.32	5.08	4.23	156.08	71.56	37.34	13.00	11.20	40.34	-84.70	-13.50	
AND00000	-48.20	1.53	42.52	0.80	0.80	90.00	50.77	30.57	13.00	11.20	28.20	-48.60	51.70	
SLV01FRB	-47.90	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	37.87	-130.50	-47.50	
CTI00000	-42.90	-6.06	7.80	1.45	1.17	100.80	59.81	36.62	13.00	11.20	32.29	-66.50	35.60	
ARG00000	-41.70	-61.43	-33.86	5.00	2.84	105.63	70.35	37.93	13.00	11.20	37.41	-50.10	-19.10	
ARGINSL	-41.70	-59.11	-57.56	4.18	1.33	153.33	60.20	31.37	13.00	11.20	32.75	-50.10	-19.10	
ALG00000	-41.30	1.35	27.74	3.44	2.13	127.59	64.80	33.64	13.00	11.20	28.48	-45.30	52.00	
DNK00002	-39.60	10.72	55.79	0.80	0.80	90.00	51.83	31.86	13.00	11.20	28.68	-40.80	-30.20	
DNK000FAR	-39.60	-7.18	61.74	0.80	0.80	90.00	50.70	30.00	13.00	11.20	33.08	-40.80	-30.20	
GRL00000	-39.60	-40.54	67.91	2.38	1.19	178.36	58.04	31.80	13.00	11.20	33.52	-40.80	-30.20	
GUY00000	-39.20	-59.30	4.72	1.63	1.20	96.11	60.27	36.46	13.00	11.20	34.04	-100.10	-18.30	
BEN00000	-37.70	2.24	9.29	1.41	1.20	91.02	59.78	36.60	13.00	11.20	31.19	-40.20	44.70	
MC00000	-37.00	7.40	43.67	0.80	0.80	90.00	54.28	33.16	13.00	11.20	30.65	-41.80	56.50	
SRL01FRB	-36.40	-11.90	8.50	0.80	0.80	90.00	53.78	33.08	13.00	11.20	35.60	-63.80	40.00	
TCD01FRB	-33.70	17.75	15.55	3.54	1.24	102.64	64.70	37.38	13.00	11.20	36.50	-36.50	67.50	
SUI00000	-32.70	7.94	46.49	0.80	0.80	90.00	51.47	31.22	13.00	11.20	27.41	-35.90	52.70	
TG00000	-32.20	0.81	8.58	1.30	1.20	109.13	59.20	36.37	13.00	11.20	31.70	-41.80	43.40	
GAB01FRB	-30.00	12.02	-0.92	1.48	1.20	78.47	60.07	36.68	13.00	11.20	32.88	-30.00	52.80	
ASCSTHTC	-29.40	-11.43	-19.59	5.81	2.13	80.81	63.41	31.01	13.00	11.20	32.88	-38.50	-27.10	
BERCAYMS	-29.40	-68.33	22.53	3.71	2.10	47.87	67.81	38.00	13.00	11.20	37.97	-38.50	-27.10	
FLKSTGGL	-29.40	-45.64	-59.63	4.03	1.52	166.30	60.38	31.11	13.00	11.20	27.19	-38.50	-27.10	
G 00000	-29.40	-3.67	54.10	1.77	1.20	153.77	56.59	31.49	13.00	11.20	34.62	-38.50	-27.10	
PRG00000	-28.90	-58.48	-23.22	2.05	1.20	133.17	61.72	36.91	13.00	11.20	31.41	-90.40	-23.20	
SURO1FRB	-28.30	-55.37	3.87	1.19	1.20	172.13	58.64	36.19	13.00	11.20	31.72	-97.00	-15.00	
YUG00000	-20.80	16.83	43.21	1.67	1.16	146.59	59.02	33.59	13.00	11.20	32.97	-25.80	60.20	
TZA01FRB	-18.70	34.52	-5.76	2.38	1.22	94.24	59.78	32.84	13.00	11.20	39.37	-21.30	91.40	
DNK00001	-18.40	10.97	55.95	0.80	0.80	90.00	51.50	31.89	13.00	11.20	26.58	-40.80	62.20	
TUN00000	-16.70	8.76	33.27	1.55	1.20	114.84	56.46	31.69	13.00	11.20	30.94	-42.50	62.00	
STPO1FRB	-15.00	7.00	1.00	0.80	0.80	90.00	53.71	32.85	13.00	11.20	35.10	-45.40	59.40	
TCH00000	-14.40	17.32	49.59	1.44	1.19	165.01	56.68	32.16	13.00	11.20	30.28	-21.30	54.40	
COGO1FRB	-11.80	14.83	-0.50	2.21	1.34	60.36	62.46	36.85	13.00	11.20	35.46	-24.70	56.50	
ATN00000	-11.40	-65.66	15.08	1.56	1.20	56.81	60.70	37.08	13.00	11.20	35.29	-50.10	1.90	
HOL00000	-11.40	5.35	52.30	0.80	0.80	90.00	50.70	29.13	13.00	11.20	26.25	-50.10	1.90	
SEN00000	-10.90	-14.17	13.69	1.46	1.25	150.61	59.75	34.24	13.00	11.20	31.34	-64.40	34.30	
LBR00000	-8.50	-9.20	6.28	1.26	1.20	127.46	58.73	36.03	13.00	11.20	32.47	-50.40	35.50	
ISL00000	-8.20	-19.61	64.87	0.80	0.80	90.00	51.77	31.96	13.00	11.20	29.44	-53.00	14.80	
GRC00000	-7.70	24.58	38.16	1.81	1.19	155.97	59.99	33.93	13.00	11.20	34.68	-24.40	71.40	
POL00000	-5.40	18.41	51.19	1.50	1.14	157.69	55.28	31.20	13.00	11.20	26.66	-14.80	56.40	
CAF01FRB	-3.30	21.32	6.44	2.56	1.87	15.96	64.64	36.95	13.00	11.20	37.37	-24.80	57.60	
CYP00000	-2.90	33.20	35.10	0.80	0.80	90.00	50.70	30.21	13.00	11.20	24.15	-21.50	87.90	
F 00000	-2.00	3.03	45.90	2.33	1.30	167.08	60.53	33.31	13.00	11.20	34.02	-13.90	5.70	
GDL00000	-2.00	-61.70	16.60	0.80	0.80	90.00	56.25	37.29	13.00	11.20	33.95	-13.90	5.70	

ORB(2)/242-F/E/S

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SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

														SLT.	1
1	2	3	4	5	6	7	8	9	10	11	12	13		14	
GUF00000	-2.00	-52.98	4.20	0.80	0.80	90.00	55.50	36.54	13.00	11.20	40.21	-13.90	5.70		
MYT00000	-2.00	-45.20	-12.83	0.80	0.80	90.00	54.08	35.12	13.00	11.20	43.95	-13.90	5.70		
REU00000	-2.00	55.57	-21.12	0.80	0.80	90.00	54.45	35.49	13.00	11.20	45.51	-13.90	5.70		
SPM00000	-2.00	-56.40	46.96	0.80	0.80	90.00	53.08	32.26	13.00	11.20	41.24	-13.90	5.70		
NMBOIFRB	1.70	18.40	-21.04	2.86	2.70	54.48	60.42	30.18	13.00	11.20	31.61	-45.40	82.50		
OMA00000	2.10	54.82	21.57	1.89	1.20	99.86	55.54	30.51	13.00	11.20	29.26	-9.80	122.20		
GUI0IFRB	2.50	-10.93	10.17	1.73	1.41	158.37	61.35	36.57	13.00	11.20	38.82	-51.80	33.80		
UGAOIFRB	3.30	32.17	1.11	1.49	1.18	67.42	55.30	30.98	13.00	11.20	30.08	-27.20	91.60		
EGY00000	3.80	29.38	26.31	2.66	1.99	140.73	59.14	30.43	13.00	11.20	29.89	-33.70	93.30		
HNG00000	5.60	19.29	47.14	0.80	0.80	90.00	52.36	32.35	13.00	11.20	28.63	-22.20	62.40		
IRQ00000	7.10	44.23	32.93	1.94	1.20	143.90	55.80	30.58	13.00	11.20	29.45	-19.80	106.60		
AGLOIFRB	7.70	16.58	-12.49	3.05	2.64	163.11	62.07	31.25	13.00	11.20	32.92	-37.20	74.10		
YEM0IFRB	8.40	43.94	15.09	0.93	1.18	174.71	51.35	29.53	13.00	11.20	30.87	-24.30	113.20		
NOR00000	8.80	11.99	63.75	2.33	1.20	15.03	58.24	31.97	13.00	11.20	32.90	2.90	29.10		
NIG00000	9.80	7.60	9.75	2.94	2.04	30.41	65.66	36.98	13.00	11.20	38.64	-29.60	49.60		
ROU00000	11.00	25.03	46.16	1.66	1.18	1.00	56.61	31.70	13.00	11.20	29.62	-16.40	66.50		
KWT00000	12.50	47.94	29.25	0.80	0.80	90.00	50.70	28.83	13.00	11.20	28.21	-20.20	115.30		
BOT00000	13.20	24.00	-21.77	1.64	1.53	61.03	55.03	29.75	13.00	11.20	28.15	-41.70	89.90		
LBY00000	13.70	18.92	26.02	3.53	2.65	154.63	65.42	33.31	13.00	11.20	34.18	-19.20	54.90		
IRL00000	14.50	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	28.67	-41.00	25.70		
FNL00000	15.30	25.38	63.88	1.34	1.20	167.81	54.19	30.58	13.00	11.20	30.06	7.10	46.80		
GNE0IFRB	16.20	10.50	1.67	0.80	0.80	90.00	53.60	34.64	13.00	11.20	38.30	-32.80	53.80		
SMR00000	17.20	12.46	43.95	0.80	0.80	90.00	50.70	29.68	13.00	11.20	30.54	-36.40	61.40		
MRC00000	19.00	-8.51	28.63	4.10	1.20	41.32	60.89	32.05	13.00	11.20	38.22	-56.80	48.50		
UAE00000	20.00	53.77	24.04	1.06	1.20	86.24	51.47	29.14	13.00	11.20	31.26	-12.70	120.30		
LUX00000	21.10	6.16	49.69	0.80	0.80	90.00	50.70	28.46	13.00	11.20	29.28	-53.90	66.10		
JOR00000	22.00	36.22	31.16	0.80	0.80	90.00	50.70	30.97	13.00	11.20	27.26	-28.80	102.90		
ZWE00000	22.30	30.98	-17.47	0.80	0.80	90.00	50.70	28.30	13.00	11.20	36.66	-29.30	91.30		
GNB0IFRB	22.70	-15.40	12.00	0.80	0.80	90.00	50.70	29.76	13.00	11.20	36.96	-76.50	45.70		
YMS00000	23.50	49.64	14.37	2.27	1.50	7.71	56.56	29.90	13.00	11.20	35.84	-16.40	114.40		
LSOOIFRB	24.60	28.40	-29.50	0.80	0.80	90.00	50.70	27.93	13.00	11.20	41.76	-40.10	96.90		
BHR00000	25.30	50.60	26.07	0.80	0.80	90.00	50.70	27.68	13.00	11.20	29.29	-18.60	119.80		
DDR00000	25.70	13.26	51.87	0.80	0.80	90.00	51.77	32.06	13.00	11.20	27.79	-26.80	51.70		
NGR0IFRB	27.60	8.56	17.27	3.23	2.13	28.02	61.66	31.47	13.00	11.20	30.04	-54.50	64.60		
TUR00000	28.40	35.72	35.61	3.37	2.50	154.06	64.80	33.21	13.00	11.20	36.03	-7.30	77.10		
DJIOIFRB	30.40	42.60	11.67	0.80	0.80	90.00	50.70	27.69	13.00	11.20	31.46	-28.40	113.60		
D 00000	31.00	9.42	50.98	1.30	1.15	42.32	54.33	30.90	13.00	11.20	28.94	-30.40	53.10		
MWIOIFRB	31.50	34.16	-13.30	1.75	1.20	102.34	55.04	30.20	13.00	11.20	27.02	-25.00	93.70		
GHA00000	31.70	-1.27	7.94	1.55	1.16	79.55	60.08	36.63	13.00	11.20	34.31	-41.70	39.30		
QAT00000	33.90	51.64	25.44	0.80	0.80	90.00	50.70	27.63	13.00	11.20	31.88	-17.10	120.00		
ALB00000	34.20	20.02	41.11	0.80	0.80	90.00	52.10	31.65	13.00	11.20	30.98	-29.90	69.80		
SWZ00000	37.20	31.29	-26.35	0.80	0.80	90.00	50.70	29.07	13.00	11.20	40.91	-26.80	89.20		
LBN00000	39.80	35.80	33.83	0.80	0.80	90.00	50.70	28.07	13.00	11.20	31.71	-31.60	103.20		
PAK00000	42.10	69.66	29.79	2.65	2.24	18.63	65.43	34.77	13.00	11.20	40.35	38.40	112.10		
LIE00000	42.50	9.50	47.20	0.80	0.80	90.00	50.70	29.36	13.00	11.20	24.83	-36.50	55.50		
ETH00000	43.60	40.40	10.38	3.13	2.94	162.77	62.26	30.97	13.00	11.20	35.55	-16.70	97.70		
S 00000	44.90	18.01	60.85	2.13	1.19	27.68	57.79	31.90	13.00	11.20	30.38	-7.00	47.10		
CYPBSA00	49.20	32.95	34.58	0.80	0.80	90.00	50.70	29.60	13.00	11.20	29.57	44.70	59.20		
GIB00000	49.20	-5.35	36.15	0.80	0.80	90.00	52.43	31.76	13.00	11.20	31.60	44.70	59.20		
HKG00000	49.20	114.50	22.42	0.80	0.80	90.00	54.58	35.62	13.00	11.20	34.68	44.70	59.20		
MDGOIFRB	49.60	46.57	-18.43	2.87	1.35	80.15	63.55	36.77	13.00	11.20	36.03	9.10	84.50		

SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
															14
CME00000	50.00	13.47	5.86	2.73	1.32	81.99	63.71	37.25	13.00	11.20	30.02	-27.30	52.40		
AUT00000	52.50	13.57	47.66	0.80	0.80	90.00	53.19	32.97	13.00	11.20	26.53	-27.90	55.30		
ZAI0IFRB	54.80	24.60	-4.55	3.99	3.49	95.37	69.86	37.53	13.00	11.20	36.02	-23.60	62.60		
CVA00000	56.30	12.50	41.88	0.80	0.80	90.00	51.42	31.01	13.00	11.20	30.21	-38.10	63.10		
URS00001	60.10	57.35	48.29	7.54	3.47	177.16	68.78	32.69	13.00	11.20	36.43	56.70	65.40		
THA00000	63.80	100.45	13.00	2.98	1.54	102.00	64.76	37.25	13.00	11.20	34.77	58.60	137.20		
MLT00000	64.20	14.68	36.12	0.80	0.80	90.00	52.10	31.52	13.00	11.20	31.61	-39.10	68.50		
ZMBOIFRB	64.60	28.05	-12.88	2.01	1.69	51.50	58.91	31.65	13.00	11.20	29.48	-27.90	82.50		
BUL00000	66.90	25.05	42.86	0.80	0.80	90.00	54.12	33.71	13.00	11.20	27.65	-20.60	71.50		
SDN00001	67.80	30.31	10.08	2.75	2.02	103.37	65.49	35.14	13.00	11.20	38.87	-31.90	92.90		
SDN00002	67.80	30.54	16.81	3.01	2.10	48.18	61.23	31.48	13.00	11.20	36.71	-31.90	92.90		
IND00000	72.10	82.62	18.90	6.47	4.99	116.95	73.59	37.60	13.00	11.20	39.88	51.30	116.40		
AFS00000	72.70	27.35	-30.18	5.48	1.56	127.87	64.68	33.19	13.00	11.20	30.84	-25.80	84.20		
BDI00000	73.80	29.96	-3.12	0.80	0.80	90.00	50.70	30.85	13.00	11.20	27.54	-30.50	90.40		
SYR00000	74.10	37.04	35.76	1.75	1.20	19.04	57.65	32.26	13.00	11.20	29.32	-15.50	91.50		
CHN00002	78.80	113.18	15.73	4.57	2.28	90.15	68.49	37.41	13.00	11.20	37.08	74.60	151.30		
MOZOIFRB	80.40	35.29	-17.19	3.32	1.50	93.04	65.45	37.39	13.00	11.20	36.59	-10.60	90.60		
MAU0IFRB	80.90	57.50	-20.17	0.80	0.80	90.00	53.83	33.46	13.00	11.20	29.77	8.00	107.00		
IRN00000	81.30	55.73	32.44	2.73	2.42	146.67	62.84	32.51	13.00	11.20	31.93	-4.10	97.00		
RRW0IFRB	82.80	30.00	-2.00	0.80	0.80	90.00	51.20	30.83	13.00	11.20	29.13	-31.80	91.80		
LA00IFRB	87.40	103.77	18.18	2.17	1.20	132.74	61.82	35.10	13.00	11.20	27.99	56.60	149.90		
URS00002	89.10	95.56	48.64	9.82	3.18	175.23	71.10	33.89	13.00	11.20	33.46	87.70	98.00		
MLA00000	89.90	107.51	3.99	3.72	1.32	2.68	64.92	37.11	13.00	11.20	31.52	74.80	143.20		
ISR00000	90.60	34.83	31.09	0.80	0.80	90.00	56.61	36.70	13.00	11.20	31.08	-20.40	90.80		
BRM0IFRB	92.80	96.90	18.89	3.44	1.85	97.94	66.02	37.08	13.00	11.20	29.87	57.60	131.00		
COMOIFRB	93.20	44.10	-12.17	0.80	0.80	90.00	54.19	35.23	13.00	11.20	31.67	-7.30	95.50		
MLD0IFRB	93.60	73.14	2.48	2.50	0.80	88.96	60.78	34.98	13.00	11.20	35.14	21.10	124.90		
KEN00000	95.20	38.88	0.32	2.03	1.20	93.92	60.25	33.71	13.00	11.20	32.69	-19.80	95.70		
BRU0IFRB	97.20	114.60	4.50	0.80	0.80	90.00	53.68	34.72	13.00	11.20	28.38	71.50	157.70		
ARS00000	97.50	47.50	23.18	3.09	1.86	69.49	61.67	32.10	13.00	11.20	27.63	-13.80	103.20		
SEY0IFRB	98.00	55.40	-4.50	0.80	0.80	90.00	54.05	34.93	13.00	11.20	35.26	3.10	107.70		
CHN00001	100.20	103.74	35.07	8.28	4.51	1.14	74.62	36.73	13.00	11.20	37.11	90.40	139.40		
SNG00000	101.30	103.85	1.28	0.80	0.80	90.00	53.59	34.63	13.00	11.20	26.38	60.60	147.10		
SOM0IFRB	101.70	46.15	5.81	3.04	1.20	73.58	61.19	33.22	13.00	11.20	29.61	-20.00	102.70		
ADL00000	113.70	140.02	-66.67	0.80	0.80	90.00	50.70	28.10	13.00	11.20	34.03	113.00	114.30		
KER00000	113.70	69.39	-43.93	2.00	1.73	163.52	59.14	31.85	13.00	11.20	34.84	113.00	114.30		
NCL00000	113.70	165.78	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	33.71	113.00	114.30		
REU00002	113.70	55.58	-21.12	0.80	0.80	90.00	54.48	35.52	13.00	11.20	38.10	113.00	114.30		
WAL00000	113.70	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	34.21	113.00	114.30		
MNG00000	114.00	103.75	46.82	3.84	1.35	2.57	61.21	32.14	13.00	11.20	29.71	60.40	148.90		
INS00000	116.50	117.80	-1.71	9.50	4.55	169.72	74.71	37.45	13.00	11.20	42.23	98.50	135.30		
J00000	121.60	138.91	30.45	5.64	4.03	179.22	72.20	36.35	13.00	11.20	38.65	101.20	170.90		
BGD00000	122.50	90.12	24.00	1.04	1.12	4.16	58.16	36.13	13.00	11.20	30.69	44.60	135.50		
CLN00000	122.90	80.09	7.67	0.80	0.80	90.00	54.43	35.41	13.00	11.20	32.11	28.10	131.90		
AFG00000	124.40	69.01	33.39	2.22	1.20	37.02	58.29	32.05	13.00	11.20	32.34	8.40	128.30		
CBG0IFRB	125.10	105.30	12.74	1.39	1.20	46.98	59.44	36.32	13.00	11.20	33.55	61.20	144.20		
NPL0IFRB	128.20	84.32	28.24	0.80	0.80	90.00	53.57	33.17	13.00	11.20	29.98	30.30	137.60		
URS00003	138.50	134.91	52.65	7.27	2.64	5.33	67.59	32.88	13.00	11.20	24.23	138.50	140.60		
AUS00001	138.90	134.11	-24.52	6.76	5.68	156.11	74.48	37.73	13.00	11.20	35.89	102.20	148.10		
AUS00002	138.90	163.30	-30.04	1.72	1.20	17.06	59.02	33.30	13.00	11.20	34.33	102.20	148.10		
AUS00003	138.90	101.47	-11.19	1.46	1.20	14.21	54.97	30.77	13.00	11.20	29.17	102.20	148.10		
AUS00004	138.90	158.97	-54.47	0.80	0.80	90.00	50.70	27.74	13.00	11.20	30.89	102.20	148.10		

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SATELLITE POSITION ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

SLT. 1
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1	2	3	4	5	6	7	8	9	10	11	12	13	14
AUS00005	138.90	110.42	-66.27	0.80	0.80	90.00	50.70	28.11	13.00	11.20	30.87	102.20	148.10
TUV00000	140.70	179.16	-8.50	0.80	0.80	90.00	53.99	34.40	13.00	11.20	35.12	127.30	179.00
NRU0IFRB	141.20	166.90	-0.50	0.80	0.80	90.00	53.77	33.09	13.00	11.20	30.67	114.50	179.00
VTN00000	141.60	109.27	14.13	3.24	2.60	99.54	67.55	37.40	13.00	11.20	34.57	70.80	146.00
SLM0IFRB	145.00	158.99	-9.02	1.70	1.20	147.21	60.50	36.50	13.00	11.20	27.69	120.40	179.00
FJIOIFRB	145.40	178.50	-17.17	0.80	0.80	90.00	53.94	34.15	13.00	11.20	28.70	128.20	179.00
KIROIFRB	146.40	173.00	1.00	0.80	0.80	90.00	53.78	33.17	13.00	11.20	37.27	120.60	179.00
VUTOIFRB	147.00	168.15	-17.26	1.35	1.20	113.18	59.32	36.32	13.00	11.20	30.65	127.40	179.00
KRE00000	147.40	127.74	39.91	1.60	1.20	13.87	60.53	36.29	13.00	11.20	27.60	95.40	161.70
PHL0IFRB	148.20	122.01	11.36	3.53	1.89	82.11	66.50	37.36	13.00	11.20	33.47	83.00	159.80
PNG00000	150.10	148.29	-6.66	3.51	2.47	167.43	67.29	37.01	13.00	11.20	33.24	114.20	179.00
KOR00000	151.10	128.32	35.81	1.39	1.09	25.59	57.79	33.42	13.00	11.20	25.19	83.00	169.60
MAC00000	151.40	113.57	22.17	0.80	0.80	90.00	54.05	34.91	13.00	11.20	28.03	64.70	162.40
NZL00001	158.90	171.72	-44.99	4.95	1.33	54.68	63.20	33.05	13.00	11.20	49.36	150.90	179.00
NZL00002	158.90	194.79	-13.30	2.85	2.48	86.31	67.03	37.60	13.00	11.20	55.07	150.90	179.00

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ORB(2)/242-F/E/S

AFRB CONFERENCE PREPARATION

ANNEX 4

<u>COLUMN</u>	<u>DESCRIPTION</u>
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

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1
14

1	2	3	4	5	6	7	8	9	10	11	12	13	
ABW00000	-89.60	-69.05	12.41	0.80	0.80	90.00	54.47	33.75	13.00	11.20	35.84	-119.40	-18.90
ADL00000	113.70	140.02	-66.67	0.80	0.80	90.00	50.70	28.10	13.00	11.20	34.03	113.00	114.30
AFG00000	124.40	69.01	33.39	2.22	1.20	37.02	58.29	32.05	13.00	11.20	32.34	8.40	128.30
AFS00000	72.70	27.35	-30.18	5.48	1.56	127.87	64.68	33.19	13.00	11.20	30.84	-25.80	84.20
AGLOIFRB	7.70	16.58	-12.49	3.05	2.64	163.11	62.07	31.25	13.00	11.20	32.92	-37.20	74.10
ALB00000	34.20	20.02	41.11	0.80	0.80	90.00	52.10	31.65	13.00	11.20	30.98	-29.90	69.80
ALG00000	-41.30	1.35	27.74	3.44	2.13	127.59	64.80	33.64	13.00	11.20	28.48	-45.30	52.00
ALS00000	-158.40	-158.42	57.52	6.47	1.72	1.13	62.97	31.08	13.00	11.20	47.33	-169.80	-158.20
AND00000	-48.20	1.53	42.52	0.80	0.80	90.00	50.77	30.57	13.00	11.20	28.20	-48.60	51.70
ARG00000	-41.70	-61.43	-33.86	5.00	2.84	105.63	70.35	37.93	13.00	11.20	37.41	-50.10	-19.10
ARGINSL	-41.70	-59.11	-57.56	4.18	1.33	153.33	60.20	31.37	13.00	11.20	32.75	-50.10	-19.10
ARS00000	97.50	47.50	23.18	3.09	1.86	69.49	61.67	32.10	13.00	11.20	27.63	-13.80	103.20
ASCSTHTC	-29.40	-11.43	-19.59	5.81	2.13	80.81	63.41	31.01	13.00	11.20	32.88	-38.50	-27.10
ATGOIFRB	-86.10	-61.80	17.00	0.80	0.80	90.00	53.83	33.36	13.00	11.20	30.52	-112.20	-11.40
ATN00000	-11.40	-65.66	15.08	1.56	1.20	56.81	60.70	37.08	13.00	11.20	35.29	-50.10	1.90
AUS00001	138.90	134.11	-24.52	6.76	5.68	156.11	74.48	37.73	13.00	11.20	35.89	102.20	148.10
AUS00002	138.90	163.30	-30.04	1.72	1.20	17.06	59.02	33.30	13.00	11.20	34.33	102.20	148.10
AUS00003	138.90	101.47	-11.19	1.46	1.20	14.21	54.97	30.77	13.00	11.20	29.17	102.20	148.10
AUS00004	138.90	158.97	-54.47	0.80	0.80	90.00	50.70	27.74	13.00	11.20	30.89	102.20	148.10
AUS00005	138.90	110.42	-66.27	0.80	0.80	90.00	50.70	28.11	13.00	11.20	30.87	102.20	148.10
AUT00000	52.50	13.57	47.66	0.80	0.80	90.00	53.19	32.97	13.00	11.20	26.53	-27.90	55.30
AZR00000	-67.50	-28.12	38.68	0.80	0.80	90.00	51.58	31.73	13.00	11.20	27.61	-71.40	34.50
B 00001	-82.60	-63.17	-6.01	4.33	3.87	67.38	70.57	37.43	13.00	11.20	35.55	-97.00	-31.20
B 00002	-49.10	-44.97	-6.32	5.08	4.23	156.08	71.56	37.34	13.00	11.20	40.34	-84.70	-13.50
B 00003	-71.40	-50.08	-20.94	4.43	3.06	60.30	69.86	37.64	13.00	11.20	38.48	-88.80	-15.20
BAHOIFRB	-93.00	-75.78	24.11	1.90	1.20	132.67	61.22	35.35	13.00	11.20	39.63	-121.10	-32.20
BDI00000	73.80	29.96	-3.12	0.80	0.80	90.00	50.70	30.85	13.00	11.20	27.54	-30.50	90.40
BELO00000	-52.00	4.11	50.31	0.80	0.80	90.00	50.70	30.67	13.00	11.20	28.14	-53.60	62.00
BEN00000	-37.70	2.24	9.29	1.41	1.20	91.02	59.78	36.60	13.00	11.20	31.19	-40.20	44.70
BERCAYMS	-29.40	-68.33	22.53	3.71	2.10	47.87	67.81	38.00	13.00	11.20	37.97	-38.50	-27.10
BFA00000	-54.10	-1.37	12.21	1.24	1.17	84.34	59.34	36.83	13.00	11.20	31.31	-54.60	46.20
BGD00000	122.50	90.12	24.00	1.04	1.12	4.16	58.16	36.13	13.00	11.20	30.69	44.60	135.50
BHR00000	25.30	50.60	26.07	0.80	0.80	90.00	50.70	27.68	13.00	11.20	29.29	-18.60	119.80
BLZ00000	-127.90	-88.63	17.24	0.80	0.80	90.00	54.69	35.60	13.00	11.20	32.53	-138.40	-38.70
BOL00000	-58.30	-64.62	-17.08	2.92	2.27	138.22	66.15	37.03	13.00	11.20	36.61	-97.30	-23.20
BOT00000	13.20	24.00	-21.77	1.64	1.53	61.03	55.03	29.75	13.00	11.20	28.15	-41.70	89.90
BRBOIFRB	-92.10	-59.60	13.17	0.80	0.80	90.00	53.91	33.87	13.00	11.20	36.06	-110.80	-8.40
BRMOIFRB	92.80	96.90	18.89	3.44	1.85	97.94	66.02	37.08	13.00	11.20	29.87	57.60	131.00
BRUOIFRB	97.20	114.60	4.50	0.80	0.80	90.00	53.68	34.72	13.00	11.20	28.38	71.50	157.70
BUL00000	66.90	25.05	42.86	0.80	0.80	90.00	54.12	33.71	13.00	11.20	27.65	-20.60	71.50
CAFOIFRB	-3.30	21.32	6.44	2.56	1.87	15.96	64.64	36.95	13.00	11.20	37.37	-24.80	57.60
CAN0EAST	-85.30	-73.49	50.25	4.88	2.54	165.46	66.09	33.02	13.00	11.20	36.77	-108.00	-54.90
CANOCENT	-106.10	-95.47	51.44	4.41	2.38	158.69	65.04	32.82	13.00	11.20	26.79	-115.10	-101.00
CANOWEST	-115.40	-120.09	57.39	3.26	2.05	173.00	60.69	31.03	13.00	11.20	25.87	-119.00	-113.70
CAR00000	-158.40	-185.95	4.54	10.44	2.63	175.19	73.75	38.47	13.00	11.20	53.08	-169.80	-158.20
CBG0IFRB	125.10	105.30	12.74	1.39	1.20	46.98	59.44	36.32	13.00	11.20	33.55	61.20	144.20
CHL00000	-87.20	-85.10	-32.68	7.72	6.60	177.76	69.94	31.50	13.00	11.20	29.13	-96.40	-53.60
CHN00001	100.20	103.74	35.07	8.28	4.51	1.14	74.62	36.73	13.00	11.20	37.11	90.40	139.40
CHN00002	78.80	113.18	15.73	4.57	2.28	90.15	68.49	37.41	13.00	11.20	37.08	74.60	151.30
CLM00000	-106.60	-74.56	5.93	4.12	2.05	116.94	67.55	37.39	13.00	11.20	34.34	-110.10	-39.90
CLN00000	122.90	80.09	7.67	0.80	0.80	90.00	54.43	35.41	13.00	11.20	32.11	28.10	131.90
CME00000	50.00	13.47	5.86	2.73	1.32	81.99	63.71	37.25	13.00	11.20	30.02	-27.30	52.40

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SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
CNR00000	-56.70	-16.36	28.32	0.80	0.80	90.00	50.70	30.01	13.00	11.20	29.99	-61.10	50.70		
COGOIFRB	-11.80	14.83	-0.50	2.21	1.34	60.36	62.46	36.85	13.00	11.20	35.46	-24.70	56.50		
COM01IFRB	93.20	44.10	-12.17	0.80	0.80	90.00	54.19	35.23	13.00	11.20	31.67	-7.30	95.50		
CPV01IFRB	-93.60	-24.10	16.00	0.80	0.80	90.00	50.81	30.57	13.00	11.20	36.13	-94.70	46.50		
CTI00000	-42.90	-6.06	7.80	1.45	1.17	100.80	59.81	36.62	13.00	11.20	32.29	-46.50	35.60		
CTR00000	-84.60	-85.30	8.21	1.52	1.20	58.09	59.78	36.27	13.00	11.20	34.61	-125.40	-44.00		
CUB00000	-69.60	-79.45	21.13	2.10	1.14	172.66	61.60	35.24	13.00	11.20	30.56	-123.50	-36.10		
CVA00000	56.30	12.50	41.88	0.80	0.80	90.00	51.42	31.01	13.00	11.20	30.21	-38.10	63.10		
CYP00000	-2.90	33.20	35.10	0.80	0.80	90.00	50.70	30.21	13.00	11.20	24.15	-21.50	87.90		
CYPSBA00	49.20	32.95	34.58	0.80	0.80	90.00	50.70	29.60	13.00	11.20	29.57	44.70	59.20		
D 00000	31.00	9.42	50.98	1.30	1.15	42.32	54.33	30.90	13.00	11.20	28.94	-30.40	53.10		
DDR00000	25.70	13.26	51.87	0.80	0.80	90.00	51.77	32.06	13.00	11.20	27.79	-26.80	51.70		
DJIO1IFRB	30.40	42.60	11.67	0.80	0.80	90.00	50.70	27.69	13.00	11.20	31.46	-28.40	113.60		
DMA01IFRB	-76.60	-61.30	15.33	0.80	0.80	90.00	53.72	32.84	13.00	11.20	32.72	-112.10	-10.50		
DNK00001	-18.40	10.97	55.95	0.80	0.80	90.00	51.50	31.89	13.00	11.20	26.58	-40.80	62.20		
DNK00002	-39.60	10.72	55.79	0.80	0.80	90.00	51.83	31.86	13.00	11.20	28.68	-40.80	-30.20		
DNK000FAR	-39.60	-7.18	61.74	0.80	0.80	90.00	50.70	30.00	13.00	11.20	33.08	-40.80	-30.20		
DOM01IFRB	-75.10	-70.40	18.67	0.80	0.80	90.00	53.68	32.70	13.00	11.20	32.96	-120.30	-20.50		
E 00002	-56.70	-4.84	40.26	1.71	1.19	139.78	60.88	34.72	13.00	11.20	36.01	-61.10	50.70		
EGY00000	3.80	29.38	26.31	2.66	1.99	140.73	59.14	30.43	13.00	11.20	29.89	-33.70	93.30		
EQA00000	-63.80	-82.28	-1.42	3.36	1.61	172.24	65.38	37.15	13.00	11.20	33.01	-122.10	-39.20		
ETH00000	43.60	40.40	10.38	3.13	2.94	162.77	62.26	30.97	13.00	11.20	35.55	-16.70	97.70		
F 00000	-2.00	3.03	45.90	2.33	1.30	167.08	60.53	33.31	13.00	11.20	34.02	-13.90	5.70		
FJIO1IFRB	145.40	178.50	-17.17	0.80	0.80	90.00	53.94	34.15	13.00	11.20	28.70	128.20	179.00		
FLKSTGGL	-29.40	-45.64	-59.63	4.03	1.52	166.30	60.38	31.11	13.00	11.20	27.19	-38.50	-27.10		
FNL00000	15.30	25.38	63.88	1.34	1.20	167.81	54.19	30.58	13.00	11.20	30.06	7.10	46.80		
G 00000	-29.40	-3.67	54.10	1.77	1.20	153.77	56.59	31.49	13.00	11.20	34.62	-38.50	-27.10		
GABO1IFRB	-30.00	12.02	-0.92	1.48	1.20	78.47	60.07	36.68	13.00	11.20	32.88	-30.00	52.80		
GDL00000	-2.00	-61.70	16.60	0.80	0.80	90.00	56.25	37.29	13.00	11.20	33.95	-13.90	5.70		
GDL00002	-115.70	-61.76	16.37	0.80	0.80	90.00	56.27	37.31	13.00	11.20	32.59	-123.20	-81.20		
GHA00000	31.70	-1.27	7.94	1.55	1.16	79.55	60.08	36.63	13.00	11.20	34.31	-41.70	39.30		
GIB00000	49.20	-5.35	36.15	0.80	0.80	90.00	52.43	31.76	13.00	11.20	31.60	44.70	59.20		
GMB00000	-77.20	-16.40	13.40	0.80	0.80	90.00	52.68	31.94	13.00	11.20	28.33	-77.30	44.50		
GNB01IFRB	22.70	-15.40	12.00	0.80	0.80	90.00	50.70	29.76	13.00	11.20	36.96	-76.50	45.70		
GNE01IFRB	16.20	10.50	1.67	0.80	0.80	90.00	53.60	34.64	13.00	11.20	38.30	-32.80	53.80		
GRC00000	-7.70	24.58	38.16	1.81	1.19	155.97	59.99	33.93	13.00	11.20	34.68	-24.40	71.40		
GRD01IFRB	-59.30	-61.60	12.00	0.80	0.80	90.00	53.42	32.48	13.00	11.20	30.35	-113.00	-10.20		
GRL00000	-39.60	-40.54	67.91	2.38	1.19	178.36	58.04	31.80	13.00	11.20	33.52	-40.80	-30.20		
GTM00000	-81.70	-90.48	15.78	0.99	1.18	151.77	57.65	34.08	13.00	11.20	31.77	-139.30	-41.40		
GUF00000	-2.00	-52.98	4.20	0.80	0.80	90.00	55.50	36.54	13.00	11.20	40.21	-13.90	5.70		
GUF00002	-115.70	-53.05	4.49	0.80	0.80	90.00	55.80	36.84	13.00	11.20	33.44	-123.20	-81.20		
GUI01IFRB	2.50	-10.93	10.17	1.73	1.41	158.37	61.35	36.57	13.00	11.20	38.82	-51.80	33.80		
GUMMRA00	-158.40	-214.27	16.67	1.88	1.18	75.71	61.70	37.34	13.00	11.20	48.69	-169.80	-158.20		
GUY00000	-39.20	-59.30	4.72	1.63	1.20	96.11	60.27	36.46	13.00	11.20	34.04	-100.10	-18.30		
HKG00000	49.20	114.50	22.42	0.80	0.80	90.00	54.58	35.62	13.00	11.20	34.68	44.70	59.20		
HND00000	74.20	-86.11	15.46	1.54	1.20	26.27	59.96	36.39	13.00	11.20	35.20	-123.80	-48.10		
HNG00000	5.60	19.29	47.14	0.80	0.80	90.00	52.36	32.35	13.00	11.20	28.63	-22.20	62.40		
HOL00000	-11.40	5.35	52.30	0.80	0.80	90.00	50.70	29.13	13.00	11.20	26.25	-50.10	1.90		
HTIO1IFRB	-51.60	-73.00	18.83	0.80	0.80	90.00	53.79	33.24	13.00	11.20	37.42	-122.90	-23.10		
HWA00000	-158.40	-157.69	20.51	1.43	1.20	157.31	59.56	36.31	13.00	11.20	68.09	-169.80	-158.20		
HWL00000	-158.40	-176.58	0.08	0.80	0.80	90.00	53.66	32.67	13.00	11.20	61.70	-169.80	-158.20		
I 00000	47.50	13.16	40.80	1.95	1.34	54.33	59.06	32.63	13.00	11.20	29.38	-32.90	54.10		

ORB(2)/242-F/E/S

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SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
													14	
IND00000	72.10	82.62	18.90	6.47	4.99	116.95	73.59	37.60	13.00	11.20	39.88	51.30	116.40	
INS00000	116.50	117.80	-1.71	9.50	4.55	169.72	74.71	37.45	13.00	11.20	42.23	98.50	135.30	
IRL00000	14.50	-8.12	53.25	0.80	0.80	90.00	51.12	31.29	13.00	11.20	28.67	-41.00	25.70	
IRN00000	81.30	55.73	32.44	2.73	2.42	146.67	62.84	32.51	13.00	11.20	31.93	-4.10	97.00	
IRQ00000	7.10	44.23	32.93	1.94	1.20	143.90	55.80	30.58	13.00	11.20	29.45	-19.80	106.60	
ISL00000	-8.20	-19.61	64.87	0.80	0.80	90.00	51.77	31.96	13.00	11.20	29.44	-53.00	14.80	
ISR00000	90.60	34.83	31.09	0.80	0.80	90.00	56.61	36.70	13.00	11.20	31.08	-20.40	90.80	
J 00000	121.60	138.91	30.45	5.64	4.03	179.22	72.20	36.35	13.00	11.20	38.65	101.20	170.90	
JAR00000	-158.40	-160.00	-0.38	0.80	0.80	90.00	53.38	32.44	13.00	11.20	61.03	-169.80	-158.20	
JMC00000	-88.10	-77.59	18.18	0.80	0.80	90.00	53.79	32.88	13.00	11.20	32.92	-127.50	-27.80	
JON00000	-158.40	-168.50	17.00	0.80	0.80	90.00	50.70	27.56	13.00	11.20	62.29	-169.80	-158.20	
JOR00000	22.00	36.22	31.16	0.80	0.80	90.00	50.70	30.97	13.00	11.20	27.26	-28.80	102.90	
KEN00000	95.20	38.88	0.32	2.03	1.20	93.92	60.25	33.71	13.00	11.20	32.69	-19.80	95.70	
KER00000	113.70	69.39	-43.93	2.00	1.73	163.52	59.14	31.85	13.00	11.20	34.84	113.00	114.30	
KIROIFRB	146.40	173.00	1.00	0.80	0.80	90.00	53.78	33.17	13.00	11.20	37.27	120.60	179.00	
KOR00000	151.10	128.32	35.81	1.39	1.09	25.59	57.79	33.42	13.00	11.20	25.19	83.00	169.60	
KRE00000	147.40	127.74	39.91	1.60	1.20	13.87	60.53	36.29	13.00	11.20	27.60	95.40	161.70	
KWT00000	12.50	47.94	29.25	0.80	0.80	90.00	50.70	28.83	13.00	11.20	28.21	-20.20	115.30	
LA00IFRB	87.40	103.77	18.18	2.17	1.20	132.74	61.82	35.10	13.00	11.20	27.99	56.60	149.90	
LBN00000	39.80	35.80	33.83	0.80	0.80	90.00	50.70	28.07	13.00	11.20	31.71	-31.60	103.20	
LBR00000	-8.50	-9.20	6.28	1.26	1.20	127.46	58.73	36.03	13.00	11.20	32.47	-50.40	35.50	
LBY00000	13.70	18.92	26.02	3.53	2.65	154.63	65.42	33.31	13.00	11.20	34.18	-19.20	54.90	
LIE00000	42.50	9.50	47.20	0.80	0.80	90.00	50.70	29.36	13.00	11.20	24.83	-36.50	55.50	
LS00IFRB	24.60	28.40	-29.50	0.80	0.80	90.00	50.70	27.93	13.00	11.20	41.76	-40.10	96.90	
LUX00000	21.10	6.16	49.69	0.80	0.80	90.00	50.70	28.46	13.00	11.20	29.28	-53.90	66.10	
MAC00000	151.40	113.57	22.17	0.80	0.80	90.00	54.05	34.91	13.00	11.20	28.03	64.70	162.40	
MAU0IFRB	80.90	57.50	-20.17	0.80	0.80	90.00	53.83	33.46	13.00	11.20	29.77	8.00	107.00	
MC00000	-37.00	7.40	43.67	0.80	0.80	90.00	54.28	33.16	13.00	11.20	30.65	-41.80	56.60	
MDG0IFRB	49.60	46.57	-18.43	2.87	1.35	80.15	63.55	36.77	13.00	11.20	36.03	9.10	84.50	
MDR00000	-67.50	-16.52	31.88	0.80	0.80	90.00	52.19	32.02	13.00	11.20	30.08	-71.40	34.50	
MDW00000	-158.40	-177.42	28.22	0.80	0.80	90.00	50.70	27.85	13.00	11.20	58.38	-169.80	-158.20	
MEX00000	-119.90	-103.84	23.35	5.74	2.47	158.58	70.00	36.67	13.00	11.20	39.22	-136.10	-61.00	
MLA00000	89.90	107.51	3.99	3.72	1.32	2.68	64.92	37.11	13.00	11.20	31.52	74.80	143.20	
MLD0IFRB	93.60	73.14	2.48	2.50	0.80	88.96	60.78	34.98	13.00	11.20	35.14	21.10	124.90	
MLI0IFRB	-59.90	-5.41	17.70	2.66	1.58	106.04	64.74	37.61	13.00	11.20	35.64	-59.90	43.30	
MLT00000	64.20	14.68	36.12	0.80	0.80	90.00	52.10	31.52	13.00	11.20	31.61	-39.10	68.50	
MNG00000	114.00	103.75	46.82	3.84	1.35	2.57	61.21	32.14	13.00	11.20	29.71	60.40	148.90	
MOZOIFRB	80.40	35.29	-17.19	3.32	1.50	93.04	65.45	37.39	13.00	11.20	36.59	-10.60	90.60	
MRC00000	19.00	-8.51	28.63	4.10	1.20	41.32	60.89	32.05	13.00	11.20	38.22	-56.80	48.50	
MRL00000	-158.40	-184.69	8.73	2.51	1.62	92.90	64.02	37.03	13.00	11.20	61.50	-169.80	-158.20	
MTN0IFRB	-72.00	-10.76	20.31	2.43	1.20	108.79	61.42	34.10	13.00	11.20	30.38	-72.80	44.20	
MWI0IFRB	31.50	34.16	-13.30	1.75	1.20	102.34	55.04	30.20	13.00	11.20	27.02	-25.00	93.70	
MYT00000	-2.00	-45.20	-12.83	0.80	0.80	90.00	54.08	35.12	13.00	11.20	43.95	-13.90	5.70	
NCG0IFRB	-116.60	-84.70	12.87	1.14	1.20	63.72	58.50	36.24	13.00	11.20	29.21	-124.40	-45.90	
NCL00000	113.70	165.78	-21.41	0.80	0.80	90.00	55.02	36.06	13.00	11.20	33.71	113.00	114.30	
NGR0IFRB	27.60	8.56	17.27	3.23	2.13	28.02	61.66	31.47	13.00	11.20	30.04	-54.50	64.60	
NIG00000	9.80	27.60	9.75	2.94	2.04	30.41	65.66	36.98	13.00	11.20	38.64	-29.60	49.60	
NMBOIFRB	1.70	18.40	-21.04	2.86	2.70	54.48	60.42	30.18	13.00	11.20	31.61	-45.40	82.50	
NOR00000	8.80	11.99	63.75	2.33	1.20	15.03	58.24	31.97	13.00	11.20	32.90	2.90	29.10	
NPL0IFRB	128.20	84.32	28.24	0.80	0.80	90.00	53.57	33.17	13.00	11.20	29.98	30.30	137.60	
NRU0IFRB	141.20	166.90	-0.50	0.80	0.80	90.00	53.77	33.09	13.00	11.20	30.67	114.50	179.00	
NZL00001	158.90	171.72	-44.99	4.95	1.33	54.68	63.20	33.05	13.00	11.20	49.36	150.90	179.00	

SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

SLT. 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
NZL00002	158.90	194.79	-13.30	2.85	2.48	86.31	67.03	37.60	13.00	11.20	55.07	150.90	179.00		
OCE00000	-115.70	-141.85	-16.06	3.73	2.57	139.03	67.95	35.50	13.00	11.20	39.28	-123.20	-81.20		
OMA00000	2.10	54.82	21.57	1.89	1.20	99.86	55.54	30.51	13.00	11.20	29.26	-9.80	122.20		
PAK00000	42.10	69.66	29.79	2.65	2.24	18.63	65.43	34.77	13.00	11.20	40.35	38.40	112.10		
PHL01FRB	148.20	122.01	11.36	3.53	1.89	82.11	66.50	37.36	13.00	11.20	33.47	83.00	159.80		
PLM00000	-158.40	-161.42	7.00	0.80	0.80	90.00	53.35	32.43	13.00	11.20	67.32	-169.80	-158.20		
PNG00000	150.10	148.29	-6.66	3.51	2.47	167.43	67.29	37.01	13.00	11.20	33.24	114.20	179.00		
PNR01FRB	-53.70	-80.15	8.62	1.26	1.20	10.36	58.95	36.26	13.00	11.20	39.90	-120.00	-40.40		
POLO00000	-5.40	18.41	51.19	1.50	1.14	157.69	55.28	31.20	13.00	11.20	26.66	-14.80	56.40		
POR00000	-67.50	-8.32	39.47	0.80	0.80	90.00	56.81	35.70	13.00	11.20	32.52	-71.40	34.50		
PRG00000	-28.90	-58.48	-23.22	2.05	1.20	133.17	61.72	36.91	13.00	11.20	31.41	-90.40	-23.20		
PRU00000	-118.10	-74.85	-8.39	3.57	1.86	92.77	66.75	37.63	13.00	11.20	36.18	120.40	-38.20		
PTC00000	-58.70	-130.10	-25.07	0.80	0.80	90.00	50.70	28.68	13.00	11.20	26.09	-62.60	-58.50		
QAT00000	33.90	51.64	25.44	0.80	0.80	90.00	50.70	27.63	13.00	11.20	31.88	-17.10	120.00		
REU00000	-2.00	55.57	-21.12	0.80	0.80	90.00	54.45	35.49	13.00	11.20	45.51	-13.90	5.70		
REU00002	113.70	55.58	-21.12	0.80	0.80	90.00	54.48	35.52	13.00	11.20	38.10	113.00	114.30		
ROU00000	11.00	25.03	46.16	1.66	1.18	1.00	56.61	31.70	13.00	11.20	29.62	-16.40	66.50		
RRW01FRB	82.80	30.00	-2.00	0.80	0.80	90.00	51.20	30.83	13.00	11.20	29.13	-31.80	91.80		
S 00000	44.90	18.01	60.85	2.13	1.19	27.68	57.79	31.90	13.00	11.20	30.38	-7.00	47.10		
SCN01FRB	-95.60	-62.90	17.33	0.80	0.80	90.00	53.94	34.11	13.00	11.20	34.06	-113.20	-12.60		
SDN00001	67.80	30.31	10.08	2.75	2.02	103.37	65.49	35.14	13.00	11.20	38.87	-31.90	92.90		
SDN00002	67.80	30.54	16.81	3.01	2.10	48.18	61.23	31.48	13.00	11.20	36.71	-31.90	92.90		
SEN00000	-10.90	-14.17	13.69	1.46	1.25	150.61	59.75	34.24	13.00	11.20	31.34	-64.40	34.30		
SEY01FRB	98.00	55.40	-4.50	0.80	0.80	90.00	54.05	34.93	13.00	11.20	35.26	3.10	107.70		
SLM01FRB	145.00	158.99	-9.02	1.70	1.20	147.21	60.50	36.50	13.00	11.20	27.69	120.40	179.00		
SLV01FRB	-47.90	-89.00	13.67	0.80	0.80	90.00	54.05	35.09	13.00	11.20	37.87	-130.50	-47.50		
SMA00000	-158.40	-170.70	-14.22	0.80	0.80	90.00	50.70	27.54	13.00	11.20	43.93	-169.80	-158.20		
SMR00000	17.20	12.46	43.95	0.80	0.80	90.00	50.70	29.68	13.00	11.20	30.54	-36.40	61.40		
SNG00000	101.30	103.85	1.28	0.80	0.80	90.00	53.59	34.63	13.00	11.20	26.38	60.60	147.10		
SOM01FRB	101.70	46.15	5.81	3.04	1.20	73.58	61.19	33.22	13.00	11.20	29.61	-20.00	102.70		
SPM00000	-2.00	-56.40	46.96	0.80	0.80	90.00	53.08	32.26	13.00	11.20	41.24	-13.90	5.70		
SRL01FRB	-36.40	-11.90	8.50	0.80	0.80	90.00	53.78	33.08	13.00	11.20	35.60	-63.80	40.00		
STP01FRB	-15.00	7.00	1.00	0.80	0.80	90.00	53.71	32.85	13.00	11.20	35.10	-45.40	59.40		
SUI00000	-32.70	7.94	46.49	0.80	0.80	90.00	51.47	31.22	13.00	11.20	27.41	-35.90	52.70		
SUROI1FRB	-28.30	-55.37	3.87	1.19	1.20	172.13	58.64	36.19	13.00	11.20	31.72	-97.00	-15.00		
SWZ00000	37.20	31.29	-26.35	0.80	0.80	90.00	50.70	29.07	13.00	11.20	40.91	-26.80	89.20		
SYR00000	74.10	37.04	35.76	1.75	1.20	19.04	57.65	32.26	13.00	11.20	29.32	-15.50	91.50		
TCD01FRB	-33.70	17.75	15.55	3.54	1.24	102.64	64.70	37.38	13.00	11.20	36.50	-36.50	67.50		
TCH00000	-14.40	17.32	49.59	1.44	1.19	165.01	56.68	32.16	13.00	11.20	30.28	-21.30	54.40		
TGO00000	-32.20	0.81	8.58	1.30	1.20	109.13	59.20	36.37	13.00	11.20	31.70	-41.80	43.40		
THA00000	63.80	100.45	13.00	2.98	1.54	102.00	64.76	37.25	13.00	11.20	34.77	58.60	137.20		
TON01FRB	-127.50	-175.17	-21.17	0.80	0.80	90.00	54.22	35.26	13.00	11.20	46.78	-175.00	-126.00		
TRD00000	-70.70	-61.09	10.83	0.80	0.80	90.00	53.60	32.66	13.00	11.20	31.38	-112.30	-9.90		
TUN00000	-16.70	8.76	33.27	1.55	1.20	114.84	56.46	31.69	13.00	11.20	30.94	-42.50	62.00		
TUR00000	28.40	35.72	35.61	3.37	2.50	154.06	64.80	33.21	13.00	11.20	36.03	-7.30	77.10		
TUV00000	140.70	179.16	-8.50	0.80	0.80	90.00	53.99	34.40	13.00	11.20	35.12	127.30	179.00		
TZA01FRB	-18.70	34.52	-5.76	2.38	1.22	94.24	59.78	32.84	13.00	11.20	39.37	21.30	91.40		
UAE00000	20.00	53.77	24.04	1.06	1.20	86.24	51.47	29.14	13.00	11.20	31.26	-12.70	120.30		
UGA01FRB	3.30	32.17	1.11	1.49	1.18	67.42	55.30	30.98	13.00	11.20	30.08	-27.20	91.60		
URG00000	-107.20	-56.82	-33.47	1.26	1.15	55.27	57.53	33.29	13.00	11.20	31.38	-108.90	-3.50		
URS00001	60.10	57.35	48.29	7.54	3.47	177.16	68.78	32.69	13.00	11.20	36.43	56.70	65.40		
URS00002	89.10	95.56	48.64	9.82	3.18	175.23	71.10	33.89	13.00	11.20	33.46	87.70	98.00		

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SCENARIO FILE ORDER

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-1-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-1-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-1-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
URS00003	138.50	134.91	52.65	7.27	2.64	5.33	67.59	32.88	13.00	11.20	24.23	138.50	140.60
USA VIR	-65.20	-80.02	31.32	8.45	4.83	174.65	75.24	36.22	13.00	11.20	38.58	-114.10	-63.50
VCT0IFRB	-55.00	-61.10	13.17	0.80	0.80	90.00	53.48	32.53	13.00	11.20	31.45	-112.30	-9.90
VEN00001	-129.00	-68.05	6.74	2.34	1.14	103.08	62.88	37.72	13.00	11.20	39.03	-131.00	-1.80
VEN00002	-129.00	-63.62	15.67	0.80	0.80	90.00	54.56	35.60	13.00	11.20	36.82	-131.00	-1.80
VTN00000	141.60	109.27	14.13	3.24	2.60	99.54	67.55	37.40	13.00	11.20	34.57	70.80	146.00
VUT0IFRB	147.00	168.15	-17.26	1.35	1.20	113.18	59.32	36.32	13.00	11.20	30.65	127.40	179.00
WAK00000	-158.40	-193.50	19.20	0.80	0.80	90.00	50.70	28.04	13.00	11.20	56.18	-169.80	-158.20
WAL00000	113.70	182.85	-13.80	0.80	0.80	90.00	54.89	35.93	13.00	11.20	34.21	113.00	114.30
YEM0IFRB	8.40	43.94	15.09	0.93	1.18	174.71	51.35	29.53	13.00	11.20	30.87	-24.30	113.20
YMS00000	23.50	49.64	14.37	2.27	1.50	7.71	56.56	29.90	13.00	11.20	35.84	-16.40	114.40
YUG00000	-20.80	16.83	43.21	1.67	1.16	146.59	59.02	33.59	13.00	11.20	32.97	-25.80	60.20
ZAI0IFRB	54.80	24.60	-4.55	3.99	3.49	95.37	69.86	37.53	13.00	11.20	36.02	-23.60	62.60
ZMB0IFRB	64.60	28.05	-12.88	2.01	1.69	51.50	58.91	31.65	13.00	11.20	29.48	-27.90	82.50
ZWE00000	22.30	30.98	-17.47	0.80	0.80	90.00	50.70	28.30	13.00	11.20	36.66	-29.30	91.30

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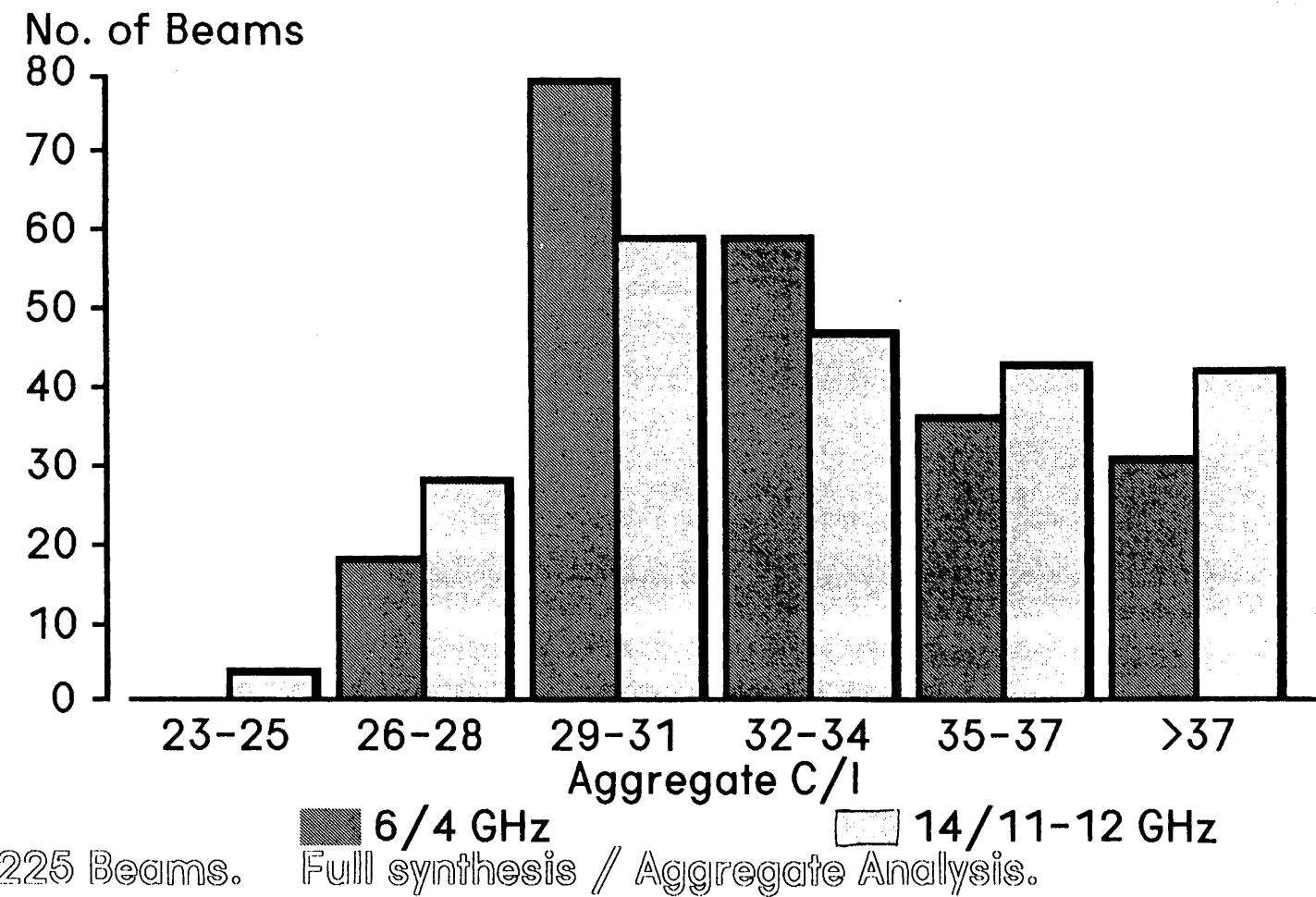


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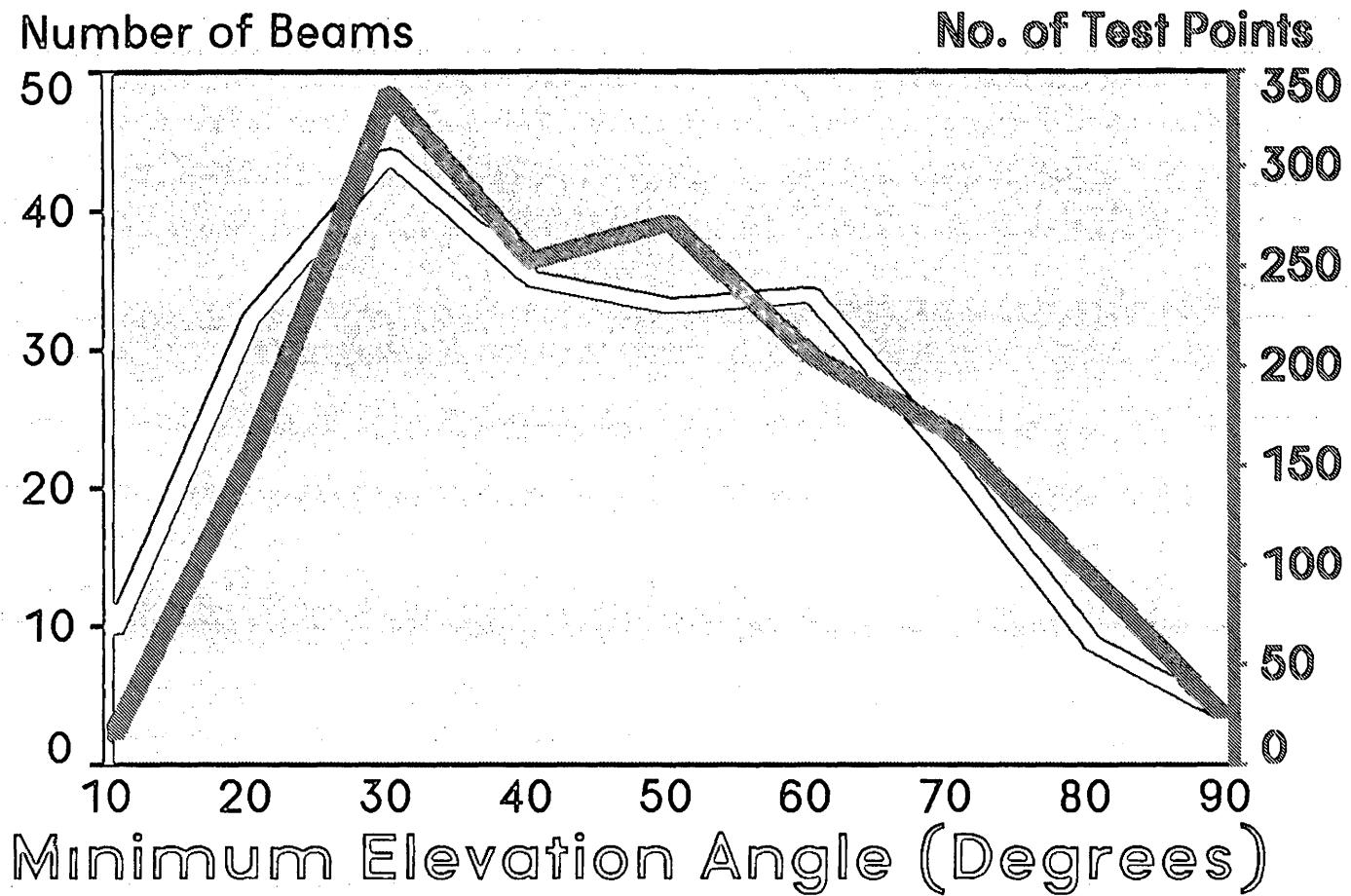
5-1-1-4

First Multiband Draft Plan



5-1-1-4

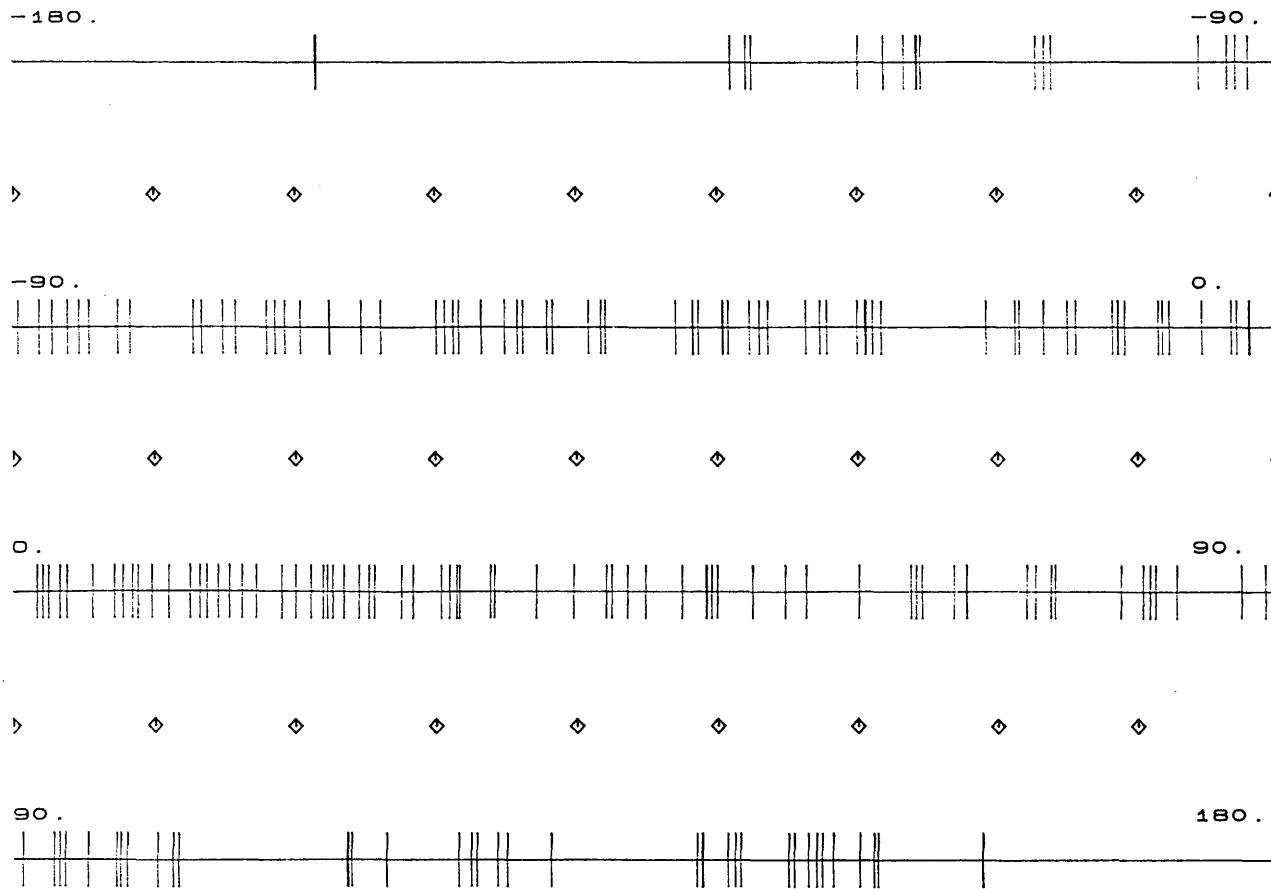
First Multiband Draft Plan



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ANNEX 6

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ANNEX 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 243-E
12 September 1988
Original: English

SUB-WORKING
GROUP 6-B-1

FIRST REPORT OF THE CHAIRMAN OF THE DRAFTING GROUP OF 6-B

The Drafting Group comprised representatives of six administrations and one international organization. In accordance with its terms of reference, it considered what changes were needed to the existing text of Article 11, Section II of the Radio Regulations in order to give effect to the "Principle of coordination and notification of satellite systems on a network basis", as set out in Documents DT/19(Rev.1) and 231. In this work, it takes into account the relevant proposals from administrations.

The Drafting Group's proposals are set out in the annex to this report. Some members of the Group favoured making other small additional amendments to include explicit reference to the network concept, but the majority view was that such references were not essential and that changes should be kept to the necessary minimum.

In respect to one of the proposals from administrations, part of the proposed change fell outside the Group's terms of reference, as it did not relate to the network concept, and alternative texts have been left in square brackets (see MOD 1073).

In accordance with the terms of reference given in the Group by Working Group 6-B, the Drafting Group's report is presented for the attention of Sub-Working Group 6-B-1.

M.J. BATES
Chairman of Drafting Group 6-B-1

Annex: 1

ANNEX

[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]

MOD 1060 § 6. (1) Before an administration (or, in the case of a space station, one acting on behalf of a group of one or more other 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 of the Radio Regulations may be carried out on a network basis 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. In such a case the administration using a typical earth station does not need to [further] coordinate under No. 1060 of the Radio Regulations.

NOC 1061

NOC 1062

ADD 1060A aa) when an administration proposes to notify or bring into use an earth station within the service area of the existing satellite network, which would not cause or suffer interference of a level greater than the typical earth station pertaining to the same satellite network;

MOD 1069 c) when an administration proposes to notify or bring into use a new earth station within a service area of an existing satellite network, provided that the 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 together with the information concerning the space station, in accordance with No. 1078, or notified to the Board without coordination in those cases where coordination was not required;

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

NOC 1084

NOC 1087

NOC 1102

NOC 1103

NOC 1105

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 244-E
13 September 1988
Original: English

COMMITTEE 5

THIRD REPORT OF WORKING GROUP 5-A TO COMMITTEE 5

1. Development of the Plan

As a result of the decisions reported in Document 203 a planning exercise has been conducted and the results of that analysis reported in Document 211(Rev.1). Administrations have been offered an opportunity to submit to the planning group - Sub-Working Group 5-A-1 ad hoc 1 - suggestions for modifications to improve the Plan.

Furthermore, Sub-Working Group 5-A-1 ad hoc 1 has examined the last exercise (Document 211(Rev.1)) and is preparing a set of proposed modifications to include the details for the preparation of the first draft Plan. These details will include consideration of the special requirements of administrations included in Document 211(Rev.1) and also those proposed modifications received which improve the Plan after discussion with affected administrations.

The Working Group has discussed requirements of some administrations which include the use of more up-link channels than the number of channels included in the down-link Plan of 1977. It was decided that these would be discussed between Sub-Working Group 5-A-1 ad hoc 1 and the administration concerned. Where there is a reasonable technical or special reason for the additional channels requested there will be an attempt to accommodate the requirement. But as a general principle, channels for the up-links should be the same in number as the number of down-link channels.

Other parameters agreed for the first draft Plan are:

- the Plan should be based on a clear sky agreement of OEPMs;
- the Plan will not at this stage take account of up-link power control;
- e.i.r.p. values will generally be:

84 dBW for the 17 GHz band

82 dBW for the 14 GHz band

but, the specific requirements of e.i.r.p. values previously submitted by administrations and e.i.r.p. adjustment to improve the Plan should be taken into account.

The Working Group expects to have the first draft Plan available for study on Thursday, 15 September 1988.

2. New proposals

The Working Group discussed two new proposals submitted to the Conference:

Document 217 - Malta

The Working Group agreed with the proposal from Malta to delete reference to that country in the use of the 14.5 to 14.8 GHz band for feeder links. However, it was also noted that the exclusion of that band for use in "Europe" may not adequately define the intent with respect to some administrations. It was agreed that the matter should be referred to Committee 5 for possible reference to Committee 6 where a parallel matter is under consideration.

Document 236 - Vietnam

In respect of the reference to test points for the feeder-link Plan, Working Group 5-A has agreed that where a concern is expressed by an administration regarding the location of another administration's test points within its borders, those test points will not be included in the planning. It was agreed that it would no longer be necessary to recalculate the ellipse describing the feeder-link service area.

3. Planning exercise (Document 211(Rev.1))

It was reported that there is an error in the description of the orientation of the ellipse in Document 211(Rev.1). This does not affect the results but it will be rectified in preparation of the draft Plan.

R.M. BARTON
Chairman of Working Group 5-A

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 245-E
13 September 1988
Original: English

WORKING GROUP 4-C

o

FIRST REPORT OF WORKING GROUP 4-C AD HOC 2

1. General

1.1 The Drafting Group 4-C ad hoc 2 was established to prepare a document for consideration by Working Group 4-C concerning procedures for a modification of an allotment in the FSS Allotment Plan or of the Plan itself, based on proposals submitted by the following administrations:

URS (Document 7), USA (Document 12), F (Document 29), J (Document 53),
CAN (Document 59), CTI (Document 81), VEN (Document 89) and IND (Document 141).

1.2 The discussions in Working Group 4-C have shown that there will be several different procedures to be developed for the FSS Allotment Plan separately, namely:

- a) a procedure for the conversion of an allotment into an assignment;
- b) a procedure for a modification of an allotment in the Plan or of the Plan itself by the addition of a new allotment;
- c) a procedure for the combination of national allotments for the implementation of a subregional system;
- d) a procedure for additional uses of the frequency bands of the Plan not in conformity with the Plan;
- e) a procedure for the existing systems in the Plan (interaction between Part A and Part B of the final FSS Allotment Plan).

The task of Drafting Group 4-C ad hoc 2 is to prepare a document on item b) only, while the procedures mentioned in c) and d) above will be developed separately by Drafting Group 4-C ad hoc 1 and 3.

2. Principles and guidelines

2.1 It was agreed that the procedures for a modification of the Allotment Plan will be divided into at least two parts:

- a) A procedure for the modification of (one or more of) the characteristics of an existing allotment in the Plan, e.g.,
 - name of the administration;
 - orbital position (within the predetermined arc);

- frequency bands used (less than 800 MHz bandwidth);
- service area and/or beams;
- technical parameters.

This procedure will also include provisions for the cancellation of an allotment in the Plan.

- b) A procedure for the addition of a new allotment to the Plan for a new ITU Member country.

2.2 The procedures for a modification of the Plan, one separate from those for the implementation of a subregional system through the combination of national allotments and one separate from those for the accommodation of additional uses in the frequency bands of the FSS Allotment Plan; for these two approaches, the procedures mentioned in 1.2 c) and d) above will have to be developed separately.

2.3 The main element of the procedures for a modification of the Plan is that the modification will be in conformity with the Plan respectively that the modification of the Plan will result in a modified or in an additional conformed allotment in the Plan.

2.4 Within the procedures for a modification of the Plan, provisions should be given for the distinction whether other allotments in the Plan are affected by the proposed modification to the Plan or not. The procedures themselves should not be too complicated so that they can easily be applied by administrations. The necessary calculations should be carried out by the IFRB which also should act as an adviser in any case of difficulties.

2.5 Since it is not yet decided which concept of predetermined arc will be used in the final FSS Allotment Plan, it seems to be appropriate to develop a general procedure for a modification of the Plan that is largely independent of the concept of predetermined arc.

2.6 These principles and guidelines are linked with the mandate of Drafting Group 4-C ad hoc 2. During the first meeting, views were expressed that the mandate of this Group is too restrictive.

The following questions were raised:

- a) Which group should address a procedure for the implementation of a subregional system in a manner other than through the combination of national allotments?
- b) Should there be a procedure for a modification of the Plan by adding an additional allotment to the Plan for an administration which already has one?

Such a procedure would presumably be different from the procedure for the addition of a new allotment to the Plan for a new ITU Member country;

- c) For the development of a procedure for the modification of an allotment in the Plan, technical annexes have to be drafted, e.g., for the determination of limits whether an allotment is to be considered as affected by a proposed modification to the Plan (dependent on the concept of the predetermined area to be used in the final Plan). Should these annexes also be developed by this Drafting Group?

These questions are put forward to Working Group 4-C.

W. BECKER
Chairman of Working Group 4-C ad hoc 2

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING
OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 246-E
13 September 1988
Original: English

WORKING GROUP 6-B

SECOND REPORT BY THE CHAIRMAN OF SUB-WORKING GROUP 6-B-1
TO WORKING GROUP 6-B

At its seventh meeting the Sub-Working Group agreed on the remaining provisions of Article 11, Section I as presented in the annex.

L. SONESSON
Chairman of Sub-Working Group 6-B-1

Annex: 1

ANNEX

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.

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.

ADD 1058A 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 informations for the application of the 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 1055

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 a 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.

[1057 *Commencement of Coordination or Notification Procedures*]

[1058 § 5. In complying with the provisions of Nos. 1049 to 1054, an administration responsible for a planned satellite system shall, if necessary, defer its commencement of the coordination procedure, or, where this is not applicable, the sending of its notices to the Board, by six months after the date of the weekly circular containing the information listed in Appendix 4 on the relevant satellite network. However, in respect of those administrations with which difficulties have been resolved or which have responded favourably, the coordination procedure, where applicable, may be commenced prior to the expiry of the six months mentioned above.]

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 247-E
16 September 1988
Original: English

COMMITTEE 6

SUMMARY RECORD

OF THE

FOURTH MEETING OF COMMITTEE 6

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

Tuesday, 13 September 1988, at 1400 hrs

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

Subjects discussed:

Documents

1.	Proposals concerning Article 29	193
2.	Feeder links in the fixed-satellite service for the mobile-satellite service	188, 198
3.	Proposals under Article 69	237

1. Proposals concerning Article 29 (Document 193)

The Committee decided that the Chairman transmits the two proposals contained in the Annex to Document 193 to the Working Group of the Plenary for advice on the technical content of those proposals.

2. Feeder links in the fixed-satellite service for the mobile-satellite service
(Documents 188 and 198)

2.1 The Chairman of Working Group 6-C drew the Committee's attention to paragraph 6 of Document 188 and to Document 198 and requested its advice on the relevance of including the subject of feeder links in the fixed-satellite service for the mobile-satellite service in the discussions of the Working Group.

2.2 The delegate of the Federal Republic of Germany said that the draft new questions referred to at the end of paragraph 6, Document 188, were new only in the sense that they had been rearranged in a more logical sequence. They are existing questions and renumbering had not affected the substance of the questions, which were already studied by the CCIR and had given rise to a considerable amount of research.

2.3 The delegate of the United Kingdom, supported by the delegates of the Federal Republic of Germany and Portugal, said that in his view the Conference was competent to discuss the matter since the MOB-87 Conference had specifically requested action from it, and the 43rd Administrative Council Session had left it to the Conference itself to decide what action it should take. Pending a decision on that point by the Committee, Working Group 6-C had decided that informal discussions should continue outside the Working Group between the representatives of the twenty European administrations sponsoring the Resolution contained in Document 43 and those administrations currently reluctant to consider it, in order to try to resolve the issue by appropriate modification or clarification of the text. He proposed that those discussions should continue and the question be referred back to Working Group 6-C.

2.4 The delegate of the USSR said he could not consider the Conference competent to discuss the issue in view of the fact that the Administrative Council had not included it in the Conference agenda. Moreover, in the light of the status of technical studies on the matter it was still too early for valid decisions to be taken.

2.5 The delegate of the United States, while expressing no opinion as to the competence or otherwise of the Conference to discuss the matter, said that since the CCIR had not yet given any guidance on what the preferred frequency bands might be, and the view of the JIWP that further studies were needed to verify bandwidth needs, any such discussion would be premature.

2.6 The delegate of Switzerland said he considered the present status of the CCIR studies on the question to be irrelevant as any decision on frequencies was not one that would be made by the CCIR. Therefore, reference to CCIR studies is not constructive and this Conference is fully competent to deal with this subject.

2.7 The Chairman suggested, in the light of the discussion, that the question be referred back to Working Group 6-C for consideration strictly within its terms of reference, paying due regard to the sensitivities of the issue.

It was so agreed.

2.8 The delegate of the USSR maintained his reservation but said he would not press the point.

3. Proposals under Article 69 (Document 237)

The Committee decided that the Chairman refers the two proposals contained in the Annex to Document 237 to Committee 5 for its consideration.

The meeting rose at 1430 hours.

The Secretary:

K. ARASTEH

The Chairman:

J.F. BROERE

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 248-E
13 September 1988
Original: English

Source: Document DT/42

COMMITTEE 6

SECOND REPORT OF WORKING GROUP 6-B TO COMMITTEE 6

1. Working Group 6-B has held four meetings and there are no major problems to report. Work is progressing satisfactorily at the Working Group level and in the Sub-Groups.

Coordination is still required between Committee 6 and the Working Group of the Plenary on the questions raised in Document 147 and the information provided to Working Group 6-B in Document 232(+ Corr.1) from its ad hoc 1 Group dealing with Appendices 3 and 4. Working Group 6-B ad hoc 2 chaired by Mr. Williams (United States) has now completed its work on the principle of coordination and notification of satellite systems on a network basis and the decisions are contained in Document 238.

2. Sub-Working Group 6-B-1 has held six meetings and has made good progress in the consideration of many proposals to amend Section I of Article 11. Since the work on network coordination and notification principles is now completed in terms of suggestions of the Working Group, Working Group 6-B established a Drafting Group under the chairmanship of Mr. Bates (United Kingdom) to consider the relevant texts in Article 11 which will need consequential amendments. The results of this Drafting Group will be submitted to the Chairman of Sub-Working Group 6-B-1. Mr. J. Christensen (Luxembourg) has assumed responsibility for chairing 6-B ad hoc 1 on the matters relating to Appendices 3 and 4.

3. Sub-Working Group 6-B-1 set up an ad hoc Group chaired by Mr. Y. Henri (France) to develop provisions concerning the role of the IFRB at the advanced publication stage of Article 11. This Group has now completed its work. A Drafting Group (United States/Canada) was established to prepare text to modify the provisions of No. 1051 of the Radio Regulations. This task has also been completed.

4. When Article 14 arose, the administrations making proposals to change Article 14 indicated that they will meet outside the Conference in order to submit a joint proposal.

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

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INTERNATIONAL TELECOMMUNICATION UNION

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Document 249-E
13 September 1988
Original: English

COMMITTEE 6

THIRD REPORT OF WORKING GROUP 6-C TO COMMITTEE 6

1. Working Group 6-C held its third and fourth meetings on 12 and 13 September respectively. During these meetings, consideration continued on the tasks assigned to the Working Group with the following results.

2. Status of the ad hoc Groups (see Document 197)

2.1 Working Group 6-C ad hoc 1, after extensive deliberations, decided that no further action was necessary concerning a new definition on "space service". The Working Group accepted this decision. The Chairman of the ad hoc Group, Mr. Montanaro, was thanked for his efforts, along with the members of the group that participated in the activities.

2.2 Working Group 6-C ad hoc 2 reported to the Working Group on the results of their deliberations. This ad hoc Group developed three new definitions concerning steerable beam antennas using as a basis five proposals contained in DT/20 (USA/56/7, CAN/60/1, USA/56/8, CAN/60/2, and USA/56/6). The results of the work at 6-C ad hoc 2 were reported to the full Working Group in Document 241. The new definitions were adopted without change and are submitted to Committee 6 for consideration. (See items 1, 2, and 3 in the annex.)

2.3 In considering a draft Recommendation on International Space Monitoring, Working Group 6-C ad hoc 3 was established on 13 September as follows:

- Name of Group: Working Group 6-C ad hoc 3
- Convenor: Mr. M. Matsumoto (J)/Box 947
- Terms of reference: to review and revise, as appropriate, draft Recommendation COM[6/B] contained in DT/40
- Participants: India, United States, United Kingdom, USSR, and the CCIR

The ad hoc Group was requested to conduct its deliberations outside the normal sessions, and to have to be ready to make at least a preliminary report at the next meeting of Working Group 6-C.

3. Modifications to Article 69 (DT/24)

3.1 The Working Group decided to recommend that proposals made concerning RR 5192 and 5193.1 (CAN/60/245 and CAN/60/247) should be referred to Committee 5. The Working Group was of the opinion that these proposals directly relate to the discussions underway in Committee 5 concerning Appendix 30. The text of the note forwarding these two Regulations to Committee 5 through Committee 6 is contained in Document 237.

3.2 The Working Group discussed the two proposals of Canada, to add new Regulations relating to the entry into force of the Final Acts of the 1987 Mobile WARC and the 1987 HFBC WARC (CAN/60/246 and CAN/60/248). The Working Group decided that since these dates would be incorporated into subsequent appropriate editions of the Radio Regulations, no further action was necessary.

3.3 The Working Group discussed the date of entry into force of the Final Acts of the ORB(2) WARC (CAN/60/244 and CAN/60/249). Recognition was taken of the involvement of the other Committees on this matter as well. The Group decided on a tentative date, and a consequential editorial amendment as shown in the annex, as modifications to RR 5196 and 5187, respectively. These are submitted to Committee 6 for consideration. (See items 4 and 5 in the annex.)

4. Resolution [COM6/1] (DT/32)

As indicated in paragraph 3.1, Document 188, it was previously decided to develop a Resolution concerning improvement of the Master Register. That Resolution was considered and adopted by the Working Group. It was sent to Committee 6 by Document 251.

5. Resolution [COM6/2] (DT/39)

A draft Resolution relating to Inclined Orbit Operation of Nominally Geostationary Space Stations (USA/56/20) was reviewed. It was decided to defer consideration of this Resolution until the advice of the Working Group of the Plenary has been obtained on the technical considerations and value(s) associated with inclined orbit operation. Recognition was given that until such advice was obtained, the need for a Resolution, or the wording of such a Resolution, could not be adequately explored. The Working Group made reference to the request already sent forward by Committee 6 to the Working Group of the Plenary contained in Document 193.

6. Agenda item 7 (DT/22)

Extensive deliberations took place at two meetings at the Working Group on agenda item 7 concerning amendment to the relevant provisions of the Radio Regulations on the use of the band 10.7 - 11.7 GHz (URS/7/13, D/71/1, and IRQ/216/5). Views were expressed concerning both the retention of Radio Regulation 835 as well as its suppression. Suppression would provide a uniform allocation for all three Regions for fixed-satellite service (space-to-Earth). Retention of Radio Regulation 835 in Region 1 with a limitation to feeder links for the broadcasting-satellite service in the fixed-satellite service, provides for the opportunity to gain experience on reverse band working. Such retention would not have any adverse impact on the other radio services sharing the band nor with the BSS feeder-link Plan in Region 1 in part of the 10.7 - 11.7 GHz band. Treatment of agenda item 7 was deferred to later consideration with a request by the Working Group Chairman that discussions be held on an informal basis.

7. Multi-service satellite coordination procedures (DT/34)

Once again extensive discussions took place with no immediate solution. The discussion revealed that the issue of a multi-service satellite being subjected to several procedures needs to be considered. Some administrations were of the opinion that the subject need not be treated by this Conference. Others believed that the problems associated with multiple procedures must be thoroughly examined, perhaps by a future conference. It was decided to defer this matter to a future meeting. Once again, the Working Group Chairman requested that informal discussions should be held, as appropriate.

8. Those items deferred and any new items will be considered at future meetings of the Working Group.

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

Annex: 1

ANNEX

ARTICLE 1

Section VII. Frequency Sharing

1. ADD 168A 7.10 Effective Boresight Area (of a steerable satellite beam): A contiguous area on the surface of the Earth within which the boresight of a steerable satellite beam is intended to be pointed.
2. 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

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

ARTICLE 69

4. ADD 5196 [§ 10. The partial revision of the Radio Regulations contained in the Final Acts of WARC ORB-88 shall enter into force on [1 April 1990] at 0001 hours UTC.]
5. MOD 5187 [These Regulations, which are ... except as specified in Nos. 5188, 5189, and 5193, and 5196.]

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15 September 1988

LIST OF DOCUMENTS (Documents 201 to 250)

PL = Plenary Meeting

C = Committee

WG = Working Group

SWG = Sub-Working Group

DG = Drafting Group

No.	Origin	Title	Destination
201	PAK	Proposal for the work of the Conference	C.4
202	F	Feeder-link Plan, consideration of requirements of France	C.5
203	WG 5A	Second Report of Working Group 5A to Committee 5	C.5
204	WG/PL	First Report of the Working Group of the Plenary to the Plenary	PL
205	WG/PL	First Series of texts from the Working Group of the Plenary to the Editorial Committee	C.7
206	WG/PL	Second Report of the Working Group of the Plenary to the Plenary	PL
207	WG/PL	Second series of texts from the Working Group of the Plenary to the Editorial Committee	C.7
208	C.5	Proposal from the Chairman of Committee 5	PL
209	SWG1/PL	First Report of the Chairman of Sub-Working Group 1 of the Plenary to the Working Group of the Plenary	WG/PL
210	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
211 (Rev.1)	SWG 5A1	BSS feeder-link planning - Results of first planning exercise	SWG 5A1
212	SWG 5A1	Note from the Chairman of Sub-Working Group 5A1 to the Chairman of Sub-Working Group 5A2	SWG 5A2

No.	Origin	Title	Destination
213	C.5	Summary Record of the fifth meeting of Committee 5	C.5
214	C.6	Summary Record of the third meeting of Committee 6	C.6
215	PL	Minutes of the third Plenary Meeting	PL
216	IRQ	Proposals for the work of the Conference	C.4, C.6
217	MLT	Proposals for the work of the Conference - Modification of RR858 and RR863	C.5
218	SG	IFRB Note on test points for allotment planning	C.4
219	C.3	Situation of the Conference accounts as at 11 September 1988	C.3
220	C.4	Note on the consideration of existing systems	C.4
221	C.6	Note from the Chairman of Committee 6 to the Chairman of Committee 4	C.4
222	USA	Additional Proposal to WARC ORB(2) regarding Agenda Item 4	
223	WG 4C Ad Hoc 1	Report of Working Group 4C Ad Hoc 1 concerning procedures for combining allotments for subregional systems	WG 4C
224	SWG 5A2	Note of the Chairman of Sub-Working Group 5A2	SWG 5A2
225	SWG 2/PL	Report of Sub-Working Group 2 of the Working Group of the Plenary	WG/PL
226	WG/PL	Third Report of the Working Group of the Plenary to the Plenary	PL
227	WG/PL	Third series of texts from the Working Group of the Plenary to the Editorial Committee	C.7
228	SWG 4B1	Terms of reference of Sub-Working Group 4B1 (Planning)	C.4
229	SWG 6B1 Ad Hoc 1	Report of the Chairman of 6B1 Ad Hoc 1 concerning the role of the Board at advance publication stage	SWG 6B1

No.	Origin	Title	Destination
230 (Rev.1)	SG	IFRB Report - Allotment Planning Requirements used for the preparation of the first draft Plan	WG 4B
231	WG 6B Ad Hoc 2	Report of the Chairman of the Working Group 6B Ad Hoc 2 to the Working Group 6B	WG 6B
232 + Corr. 1	WG 6B Ad Hoc 1	First Report of Working Group 6B Ad Hoc 1 to Working Group 6B	WG 6B
233	WG 5B	Second Report of Working Group 5B to Committee 5	C.5
234	SWG 6B1	First Report of the Chairman of Sub-Working Group 6B1 to Working Group 6B	WG 6B
235	CTI	Proposals for the work of the Conference - Consideration of subregional systems by means of procedures associated with the allotment Plan	C.4
236	VTN	Proposals for the work of the Conference	C.5
237	WG 6C	Note from the Chairman of Working Group 6C to the Chairman of Committee 6	C.6
238	WG 6B	Note from the Chairman of Working Group 6B to the Chairman of Committee 6 on principle of coordination and notification of satellite systems on a network basis	C.6
239	WG 4C Ad Hoc 1	Second Report of Working Group 4C Ad Hoc 1 concerning procedures for combining allotments for Sub-regional systems	WG 4C
240	WG 5A2	Second Report of Sub-Working Group 5A2 to Working Group 5A	WG 5A
241	WG 6C	Report of Working Group 6C Ad Hoc 2 to Working Group 6C	WG 6C
242	SG	IFRB Report - Results for the first draft Plan	WG 4B

No.	Origin	Title	Destination
243	DG 6B1	First Report of the Chairman of the Drafting Group of 6B	SWG 6B1
244	WG 5A	Third Report of Working Group 5A to Committee 5	C.5
245	WG 4C Ad Hoc 2	First Report of Working Group 4C Ad Hoc 2	WG 4C
246	SWG 6B1	Second Report by the Chairman of Sub-Working Group 6B1 to Working Group 6B	WG 6B
247	C.6	Summary Record of the fourth meeting of Committee 6	C.6
248	WG 6B	Second Report of Working Group 6B to Committee 6	C.6
249	WG 6C	Third Report of Working Group 6C to Committee 6	C.6
250	SG	List of documents (201 to 250)	SG

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13 September 1988
Original: English

Source: DT/32(Rev.1)

COMMITTEE 6

REPORT FROM THE CHAIRMAN OF WORKING GROUP 6-C TO THE CHAIRMAN OF COMMITTEE 6

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 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.

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

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Document 252-E
13 September 1988
Original: English

WORKING GROUP 4-B

NOTE FROM THE CHAIRMAN OF SUB-WORKING GROUP 4-B-1
TO THE CHAIRMAN OF WORKING GROUP 4-B

Sub-Working Group 4-B-1, in its second meeting, has expressed some concerns about the non-establishment of a deadline for the submission of special requirements. It may be the case that, to consider a new special requirement, Sub-Working Group 4-B-1 be obliged to restart its work almost from the beginning. The Group has concluded that, to avoid this situation, the establishment of a deadline for the submission of special requirements is a matter of great importance.

J.M. FORTES
Chairman of Sub-Working Group 4-B-1

CONF\ORB-2\DOC\252-E

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Document 253-E
13 September 1988
Original: English

COMMITTEE 4

Liechtenstein and Switzerland

CONSIDERATION OF SPECIAL GEOGRAPHICAL SITUATIONS FOR ELABORATION OF THE ALLOTMENT PLAN

1. Introduction

The agenda of the Conference (Document 1) includes establishment of the Allotment Plan according to the principles and methods worked out at the First Session.

The Report of the First Session to the Second Session of the Conference WARC ORB-88 refers to special geographical situations as follows:

Paragraph 3.4.2.1.3:

Definition of special geographical situations including amongst other points:

- special latitudes;
- dispersed territories;
- terrain obstructions;
- precipitations and sandstorms;
- countries covering large geographical areas.

Paragraph 3.4.3.1.4:

It recommends, that in terrain obstruction situations, where the propagation paths between earth stations and the satellite at low elevation angles is blocked by mountains, a minimum angle of elevation of 30° may be used in very mountainous countries unless the latitude of the country is too high to allow such a figure.

2. Present work of the Conference

For establishment of the first draft Allotment Plan the following items have been considered:

- dispersed territories;
- precipitations;
- countries covering large geographical areas.

Until now, the Conference has treated special latitudes and terrain obstructions not as basic requirements but only as special requirements which might be considered in case the Plan is not adversely affected.

In order to permit a reasonable amount of the area of a country to be in sight of the allocated service arc, it is necessary to take into account special latitude and mountainous terrain for the establishment of the Plan. In this context Liechtenstein and Switzerland require an elevation angle of at least 30° (equivalent to a service arc of approximately -20° to 35°E).

3. Proposal

In order to provide a reasonable effective coverage for countries having special latitudes or very mountainous terrain it is proposed:

LIE/SUI/253/1

For the establishment of the Allotment Plan special geographical situations including special latitudes and terrain obstructions shall be duly taken into account. For very mountainous countries a minimum angle of elevation of 30° shall be provided if so required.

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Document 254-E
13 September 1988
Original: English

Source: Document DL/27

SUB-WORKING GROUP 5-A-2

REPORT OF SUB-WORKING GROUP 5-A-2 AD HOC 2

Sub-Working Group 5-A-2 ad hoc 2 had three meetings and agreed on a draft text to be added to Annex 3 of Appendix 30A, attached.

The principle adopted was to include in the Plan a calculated amount of power control which may be used without causing interference. For administrations wishing to determine whether, for a specific location, it would be possible to use a greater amount of power control a procedure is suggested in which IFRB would calculate the power control limit for that specific location.

The Group had some reservations, indicated in the text, on whether:

- a) a limit of power to the antenna should be given;
- b) the antenna characteristics should be specified;
- c) whether the point by point characteristics of the power control curve should be given.

Some further work is in hand which may give a less conservative level of power control and the Group suggest that the text be reviewed when these results are available.

B. SALKELD
Chairman of Sub-Working Group 5-A-2 ad hoc 2

Attachment: 1

Draft

TEXT FOR APPENDIX 30A (ANNEX 3)

POWER CONTROL FOR BSS FEEDER LINKS

Add to paragraph 3.10:

In cases where satellites do not use common or adjacent channels cross-polarizing each other, the maximum permissible e.i.r.p. increase is equal to the amount of rain attenuation which occurs on the interfering feeder link, since the (C/I)_u increases as the interfering feeder-link signal is faded due to rain.

On the other hand, in cases where those 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.

In Regions 1 and 3 the permitted amount of power control which may be used without further reference to IFRB has been calculated and included in the Plan. The method of calculation is shown below:

1. Method of calculation of permitted power control for an assignment in relation to the value included in the Plan

1.1 Establish a list of all assignments (A, B, C, ...) potentially affected and which are co-located or in the adjacent orbit position.

1.2 For every feeder-link test point calculate the interfering power to the potentially interfered with assignment A in clear sky.

1.3 For every feeder-link test point calculate the interfering power to assignment A in the following conditions:

- for the interfering feeder link: atmospheric attenuation for 0.1% of the worst month and corresponding value of atmospheric depolarization;
- for the interfered with feeder link in clear sky conditions.

1.4 For every feeder-link test point calculate the difference between interfering powers obtained in 1.2 and 1.3 and take the smallest value of these differences.

This smallest difference is equal to the permitted amount of power control without degradation in the equivalent protection margin of feeder link A.

Note - If the interfering power calculated at point 1.3 is greater than that calculated at point 1.2, permitted amount of power control is nil.

1.5 Repeat the calculations of points 1.2, 1.3 and 1.4 for the other assignments (B, C,) potentially affected.

1.6 Take the smallest of the differences calculated for point 1.4. This value is the final permitted e.i.r.p. increase for the assignment concerned.

2. Propagation model

2.1 For the calculation of atmospheric attenuation for 0.1% of the least favourable month, the ORB-85 model should be used. It shall be assumed that the 0.1% value is 3.3 times the 1% value in dB.

2.2 Atmospheric depolarization shall be calculated, on the basis of attenuation, using the method described in paragraph 6.2.2.17.2 of the Report of the First Session.

Procedure to be incorporated into Article 5 to Appendix 30A

2) An administration wishing to introduce power control shall notify the IFRB and give the feeder-link location and the proposed antenna characteristics, including off-axis performance, for co-polar and cross-polar performance.

3) The IFRB will calculate the theoretical increase in power which may be used without affecting other satellites sharing the same orbit location using the steps described in Annex 3.

The formula to be used is:

$$\Delta P_i = R_i \cdot \frac{1}{1 + \frac{A}{\frac{1}{XPI_{sat}} + \frac{1}{XPI_{es}}}}$$

ΔP_i : maximum permissible power increase of earth transmitter by power control.

A: coefficient of depolarization due to rain as expressed in the following equation:

$A = 10^{-(XPD/10)}$, where XPD is the rain depolarization, in dB, as a function of rain attenuation and elevation angle;

XPI_{sat} : ratio of co-polar (G_{rcwi}) to cross-polar (G_{rcxi}) components of the wanted-satellite receiving antenna in the direction of the interfering earth station as expressed in the following equation:

$$XPI_{sat} = G_{rcwi} / G_{rcxi}$$

XPI_{es} : ratio of co-polar (G_{icci}) to cross-polar (G_{icxi}) components of the interfering earth-station transmitting antenna in the direction of the wanted-satellite as expressed in the following equation:

$$XPI_{es} = G_{icci} / G_{icxi}, \text{ where this value is constant for co-located satellites.}$$

R_i : rain attenuation on the wanted link.

If the feeder-link channel assignment is the same or if plural interfered satellites in the adjacent channel are assumed, the value of ΔP_i for each interfered satellite shall be calculated and the minimum ΔP_i value shall be used.

The formula can be expressed in dB as follows:

$$\Delta P = A_p - 10 \log \left[1 + \frac{\cos^4 \theta - f^{-3} - \frac{A_p}{XPI_{es}}}{\frac{XPI_{sat}}{0.79} + \frac{XPI_{es}}{0.79}} \right] \text{ (dB)}$$

ΔP : maximum permissible power increase of earth transmitter by power control in dB.

θ : elevation angle of the earth station in degrees.

A_p : rain attenuation at the earth station concerned in dB.

XPI_{es} : the difference (dB) between co-polar gain and cross-polar gain of the earth station antenna in the direction of the interfered satellite, for co-located satellite (including slight separation) $XPI_{es} = 30$ dB.

XPI_{sat} : the difference (dB) between co-polar gain and cross-polar gain of the interfered-with satellite in the direction of the earth station concerned. (Beam parameters and reference patterns of satellite receiving antenna should be those decided in the Plan).

The value for R_i , rain attenuation, for 0.1% of the worst month would be that given by the CCIR for the rain zone of the feeder link location. A maximum power increase of [10 dB] would be imposed.

For the case of other orbit positions ΔP_i can also be calculated by setting the XPI_{es} value to zero dB.

4) The IFRB would then calculate the interference to all other feeder-links according to the calculation in Annex 1 and compare the resulting EPM with the clear sky value given in the Plan. Any increase greater than 0.5 dB would not be allowed.

5) The IFRB would notify the submitting administration the maximum power increase which may be used and would notify those other administrations whose EPM is increased by 0.5 dB.

[The maximum power to be applied to the antenna input is 30 dBW.]

[An administration wishing to use power control must achieve any further increase in power by means of an increase in antenna size.] In any case the permitted increase in e.i.r.p. by means of power control shall not be greater than 10 dB above that shown in the Plan.

[The increase in power must correspond to the instantaneous rain attenuation as shown in Figure 1.]

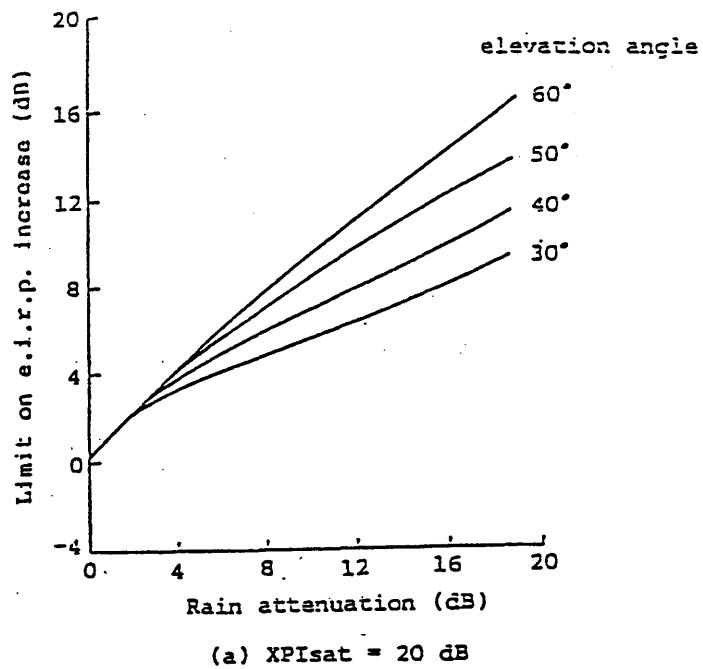


FIGURE 1

Limit on the earth-station e.i.r.p. increase

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19 September 1988

B.1(Rev.)

PLENARY MEETING1st SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following texts are submitted to the Plenary Meeting for first reading:

<u>Source</u>	<u>Document</u>	<u>Title</u>
WG-PL	227	Appendix 28
	205	Appendix 29
	207	Resolution GT-PLEN/1

Note by the Chairman of Committee 7:

To indicate the action taken in respect of a given text of the Radio Regulations, the following abbreviations are used:

- NOC for text for which it has been decided that no change should be made;
- ADD for text that has been added;
- SUP for text that has been deleted;
- MOD for text that has been modified;
- (MOD) for text that has been modified editorially in one or more languages.

P. ABOUDARHAM
Chairman of Committee 7

Annex: 4 pages

APPENDIX 28

MOD

TABLE II

Parameters Required for the Determination of Coordination Distance for a Receiving Earth Station

MOD

MOD

Space Radiocommunication Service Designation		Space Operation (*)	Meteorological-Satellite (*)	Meteorological-Satellite	Space Research		Fixed-Satellite	Fixed-Satellite	Fixed-Satellite	Fixed-Satellite-Meteorological-Satellite Mobile-Satellite	Earth Exploration-Satellites	Space Research		Fixed-Satellite	Metorological-Satellite	Fixed-Satellite	Mobile-Satellite		
					Near Earth Unmanned, Space Operations	Near Earth Manned						Near Earth	Deep Space						
Frequency Bands (GHz)		1.525-1.535	1.670-1.700	1.700-1.790	1.700-1.710 2.200-2.290	2.200-2.290	2.290-2.300	2.500-2.690	3.400-4.200	4.500-4.800	7.250-7.750 8.400	8.025 8.400	8.400-8.500	10.7-12.75	17.7-40.0				
Modulation at Earth Station (*)		-	-	-	A	N	A	N	A	N	A	N	-	-	A	N	N		
Interference Parameters and Criteria	p_0 (%)			0.1	0.001	0.001	0.03	0.003	0.03	0.003	0.03	0.003	1.0	0.1	0.001	0.03	0.003	0.003	
	n			1 (9)	1	1	3	3	3	3	3	3	3	2	1	2	1	1	
	p (%)			0.1 (9)	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.01	0.05	0.001	0.015	0.003	0.003	
	J (dB)			-	-	-	-8	0	-8	0	-8	0	-8	-	-	-8	0	0	
	$M_0(p_0)$ (dB)			-	-	-	17	5	17	5 (*)	17	5 (*)	17	-	-	17	5 (*)	5 (*)	
	W (dB)			-	-	-	4	0	4	0	4	0	-	-	-	4	0	0	
Terrestrial Station Parameters	E (dBW) in B (*)	55	55	92 (*)	62(4)(6)	62(4)(6)	92 (*)	92 (*)	55	55	92 (*)	92 (*)	55	55	25 (4)	25 (4)	55	55	35 (*)
	F_t (dBW) in B	13	13	40 (*)	10(4)(6)	10(4)(6)	10(4)(6)	40 (*)	13	13	40 (*)	40 (*)	13	13	-17 (4)	-17 (4)	10	10	-10 (*)
	ΔG (dB)	0	0	10 (*)	10 (6)	10 (6)	10 (*)	10 (*)	0	0	10 (*)	10 (*)	0	0	0	0	3	3	3
Reference Bandwidth (*)	B (Hz)			10 ⁶	1	1	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	1	1	10 ⁶	10 ⁶	10 ⁶	
Permissible Interference Power	$P_r(p)$ (dBW) in B			-216	-216	-222	-	-	-	-	-	-	-15	-216	-220	-	-	-	

(*) Parameters associated with these services may vary over a rather wide range. Further study is required before representative values become available.

(*) A = analogue modulation; N = digital modulation.

(*) See Note 3 in section 2. $M_0(p_0)$ may assume values between 5 and 40 dB, depending on frequency, rain-climatic zone and system design.

(*) These values are estimated for 1 Hz bandwidth and are 30 dB below the total power assumed for emission.

(*) These values assume a radio frequency bandwidth of no less than 100 MHz, and are 20 dB below total power assumed per emission.

(*) In these bands, the parameters for the terrestrial stations associated with transhorizon systems have been used. If an administration believes that transhorizon systems do not need to be considered the line-of-sight radio-relay parameters associated with the frequency band 3 400 - 4 200 MHz may be used to determine the coordination area in accordance with paragraph 2.3.1.

(*) In certain systems in the fixed-satellite service it may be desirable to choose a greater reference bandwidth B when the system requirements indicate that this may be done. However, a greater bandwidth will result in smaller coordination distances and a later decision to reduce the reference bandwidth may require recoordination of the earth station. For narrow-band transmissions the reference bandwidth B should be assumed to be equal to the bandwidth occupied.(*) For the definition of E , see Annex I.ADD (9) n is taken to be 1 for earth stations supporting low orbit satellites. For earth stations supporting geostationary satellites, n takes a value of 2 and p becomes 0.05.

APPENDIX 29

NOC **Method of Calculation for Determining if Coordination
is Required Between Geostationary-Satellite Networks
Sharing the Same Frequency Bands**

NOC 1 - 2.2.1.1

NOC 2.2.1.2 *Cases requiring independent treatment of the up-link and the down-link*

MOD If there is a change of modulation in the satellite or if the transmission originates on board the satellite, then the apparent increase in the noise temperature must be related to the total receiving system noise temperature of the specific link being examined (the space station or the earth station, whichever is applicable). In this case, the equivalent noise temperature of the entire satellite link and the transmission gain are not used and equations (1) and (2) above are used separately as required (see § 3.2).

NOC 2.2.2 - 2.4

NOC 3. *Comparison between calculated percentage increase in noise temperature and the threshold value*

NOC 3.1 *Simple frequency-changing transponder on board the satellite*

MOD The calculated values of the $\frac{\Delta T}{T}$ and $\frac{\Delta T'}{T'}$, expressed as percentages, shall be compared with the threshold value of 6%.

- If the calculated value of $\frac{\Delta T}{T}$, expressed as a percentage, due to any interfering emission from satellite link A' to satellite link A, is no greater than the threshold value, coordination is not required with respect to interference from link A' to link A.
- If the calculated value of $\frac{\Delta T}{T}$, expressed as a percentage, is greater than the threshold value, coordination is required.

The comparison of $\frac{\Delta T'}{T'}$, with the threshold value, expressed as a percentage, shall be carried out in a similar manner.

NOC 3.2 *Cases requiring independent treatment of the up-link and the down-link*

MOD a) In the case of interference into only one link, the up-link or the down-link, the value $\Delta T_e/T_e$ or $\Delta T_s/T_s$, expressed as a percentage, shall be compared with the threshold value of 6%.

- MOD b) In the case of interference into both the up-link and the down-link, between which there is a change of modulation on board the satellite, the values of $\Delta T_e/T_e$ and $\Delta T_s/T_s$, expressed as a percentage, shall each be compared with the threshold value of 6%.
- MOD 4. Consideration of narrow-band and FM-TV carriers
- NOC The method of calculation described in this Appendix may underestimate the interference from slow swept TV carriers into certain narrow-band (single channel per carrier, SCPC) carriers.
- NOC In order to facilitate coordination between the satellite systems and to reduce the number of administrations involved in this procedure, the administrations whose SCPC assignments are either recorded in the Master Register or are under coordination may inform an administration notifying its new assignment of the radio frequency channels used in their systems for SCPC transmission, so that the notifying administration may be able to avoid using these channels for FM-TV transmissions.
- ADD For this special case, administrations are referred to relevant CCIR texts for guidance in facilitating subsequent coordination.
- NOC Conversely, administrations introducing new systems using SCPC transmissions may seek appropriate information from other administrations on their FM-TV transmissions.
- NOC Annexes I, II and III

ANNEX IV

- NOC Example of an Application of Appendix 29
- NOC 1 - 3
- NOC 4. *Conclusion*
- MOD In the example shown, the percentage increase in equivalent satellite link noise temperature is 7.8%. Since it exceeds the threshold value of 6%, coordination between the two networks is required.

RESOLUTION GT-PLEN/1

**Planning of the Fixed-Satellite Service in
the Bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz**

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 First Session of the Conference requested the CCIR to study the technical characteristics of the fixed-satellite service in the bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz with a view to a decision on the future planning of these bands for the fixed-satellite service being taken by a future competent conference;
- b) that the CCIR concluded that it would be extremely unwise for these bands to be subject to planning at this time and that further study would be necessary;

recognizing

- 1. that these bands have not been exploited extensively due to technical and economic reasons, although they potentially have great capacity;
- 2. that the required satellite orbital spacing may be reduced, thus resulting in easier coordination between satellite networks because narrower satellite antenna beamwidths can be achieved than in the lower frequency bands;
- 3. that different performance criteria may well be necessary from those which currently exist for frequency bands below 15 GHz, since the propagation characteristics are different;

resolves

that the bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz shall not be included in frequency bands identified for planning at this time;

invites the CCIR

to continue its studies into the technical characteristics of the relevant 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 255-E
14 September 1988

B.1

PLENARY MEETING

1st SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING

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

<u>Source</u>	<u>Document</u>	<u>Title</u>
WG-PL	227	Appendix 28
	205	Appendix 29
	207	Resolution GT-PLEN/1

Note by the Chairman of Committee 7:

To indicate the action taken in respect of a given text of the Radio Regulations, the following abbreviations are used:

- NOC for text for which it has been decided that no change should be made;
- ADD for text that has been added;
- SUP for text that has been deleted;
- MOD for text that has been modified;
- (MOD) for text that has been modified editorially in one or more languages.

P. ABOUDARHAM
Chairman of Committee 7

Annex: 4 pages

MOD

Parameters Required for the Determination of Coordination Distance for a Receiving Earth Station

MOD

MOD

Space Radiocommunication Service Designation		Space Operation ⁽¹⁾	Meteorological-Satellite ⁽¹⁾	Meteorological-Satellite	Near Earth Unmanned; Space Operations				Space Research		Fixed-Satellite		Fixed-Satellite		Fixed-Satellite Meteorological-Satellite Mobile-Satellite		Earth Exploration-Satellite		Space Research		Fixed-Satellite		Mobile-Satellite	
					Near Earth Manned	Deep Space											Near Earth	Deep Space						
Frequency Bands (GHz)		1.525–1.535	1.670–1.700	1.700–1.790	1.700–1.710	2.200–2.290	2.290–2.300	2.500–2.690		3.400–4.200		4.500–4.800		7.250–7.750		8.025		8.400–8.500		10.7–12.75		17.7–40.0		
Modulation at Earth Station ⁽²⁾					–	–	–	A	N	A	N	A	N	A	N	–	–	–	–	N		N		
Interference Parameters and Criteria	p_0 (%)				0.1	0.001	0.001	0.03	0.003	0.03	0.003	0.03	0.003	0.03	0.003	1.0	0.1	0.001	0.003		0.003			
	n				1 (9)	1	1	3	3	3	3	3	3	3	3	3	2	1	1			1		
	p (%)				0.1 (9)	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.01	0.001		0.05	0.001	0.003		0.003			
	J (dB)				–	–	–	–8	0	–8	0	–8	0	–8	0		–	–	0		0		0	
	$M_0(p_0)$ (dB)				–	–	–	17	5	17	5 ⁽³⁾	17	5 ⁽³⁾	17	5 ⁽³⁾		–	–	5 ⁽³⁾		5 ⁽³⁾			
Terrestrial Station Parameters	W (dB)				–	–	–	4	0	4	0	4	0	4	0		–	–	0		0		0	
	E (dBW) in B ⁽⁴⁾	55	55	92 ^(*)	62(4)(6)	62(4)(6)	62(4)(6)	92 ^(*)	92 ^(*)	55	55	92 ^(*)	92 ^(*)	55	55	55	25 (4)	25 (4)	55		35 ^(*)			
	P_t (dBW) in B	13	13	40 ^(*)	10(4)(6)	10(4)(6)	10(4)(6)	40 ^(*)	40 ^(*)	13	13	40 ^(*)	40 ^(*)	13	13	13	–17 (4)	–17 (4)	10		–10 ^(*)			
ΔG (dB)		0	0	10 ^(*)	10 (6)	10 (6)	10 ^(*)	10 ^(*)	0	0	10 ^(*)	10 ^(*)	0	0	0	0	0	0	3		3			
Reference Bandwidth ⁽⁵⁾		B (Hz)			10 ⁶	1	1	1	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	1	1	10 ⁶		10 ⁶			
Permissible Interference Power		$P_r(p)$ (dBW) in B			–216	–216	–222	–	–	–	–	–	–	–	–	–15 ^(*)	–216	–220	–	–	–			

⁽¹⁾ Parameters associated with these services may vary over a rather wide range. Further study is required before representative values become available.⁽²⁾ A = analogue modulation; N = digital modulation.⁽³⁾ See Note 3 in section 2. $M_0(p_0)$ may assume values between 5 and 40 dB, depending on frequency, main-climatic zone and system design.⁽⁴⁾ These values are estimated for 1 Hz bandwidth and are 30 dB below the total power assumed for emission.⁽⁵⁾ These values assume a radio frequency bandwidth of no less than 100 MHz, and are 20 dB below total power assumed per emission.⁽⁶⁾ In these bands, the parameters for the terrestrial stations associated with transhorizon systems have been used. If an administration believes that transhorizon systems do not need to be considered the line-of-sight radio-relay parameters associated with the frequency band 3 400 – 4 200 MHz may be used to determine the coordination area in accordance with paragraph 2.3.1.⁽⁷⁾ In certain systems in the fixed-satellite service it may be desirable to choose a greater reference bandwidth B when the system requirements indicate that this may be done. However, a greater bandwidth will result in smaller coordination distances and a later decision to reduce the reference bandwidth may require recoordination of the earth station. For narrow-band transmissions the reference bandwidth B should be assumed to be equal to the bandwidth occupied.⁽⁸⁾ For the definition of E , see Annex I.ADD (9) n is taken to be 1 for earth stations supporting low orbit satellites. For earth stations supporting geostationary satellites, n takes a value of 2 and p becomes 0.05.TABLE II
APPENDIX 28

APPENDIX 29

NOC **Method of Calculation for Determining if Coordination
is Required Between Geostationary-Satellite Networks
Sharing the Same Frequency Bands**

NOC 1 - 2.2.1.1

NOC **2.2.1.2 Cases requiring independent treatment of the up-link and the down-link**

MOD If there is a change of modulation in the satellite or if the transmission originates on board the satellite, then the apparent increase in the noise temperature must be related to the total receiving system noise temperature of the specific link being examined (the space station or the earth station, whichever is applicable). In this case, the equivalent noise temperature of the entire satellite link and the transmission gain are not used and equations (1) and (2) above are used separately as required (see § 3.2).

NOC 2.2.2 - 2.4

NOC 3. *Comparison between calculated percentage increase in noise temperature and the threshold value*

NOC 3.1 *Simple frequency-changing transponder on board the satellite*

MOD The calculated values of the $\frac{\Delta T}{T}$ and $\frac{\Delta T'}{T'}$, expressed as percentages, shall be compared with the threshold value of 6%.

- If the calculated value of $\frac{\Delta T}{T}$, expressed as a percentage, due to any interfering emission from satellite link A' to satellite link A, is no greater than the threshold value, coordination is not required with respect to interference from link A' to link A.
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The comparison of $\frac{\Delta T'}{T'}$, with the threshold value, expressed as a percentage, shall be carried out in a similar manner.

NOC 3.2 *Cases requiring independent treatment of the up-link and the down-link*

MOD a) In the case of interference into only one link, the up-link or the down-link, the value $\Delta T_e/T_e$ or $\Delta T_s/T_s$, expressed as a percentage, shall be compared with the threshold value of 6%.

MOD	b) In the case of interference into both the up-link and the down-link, between which there is a change of modulation on board the satellite, the values of $\Delta T_r/T_r$ and $\Delta T_s/T_s$, expressed as a percentage, shall each be compared with the threshold value of 6%.
MOD	4. <u>Consideration of narrow-band and FM-TV carriers</u>
NOC	The method of calculation described in this Appendix may underestimate the interference from slow swept TV carriers into certain narrow-band (single channel per carrier, SCPC) carriers.
NOC	In order to facilitate coordination between the satellite systems and to reduce the number of administrations involved in this procedure, the administrations whose SCPC assignments are either recorded in the Master Register or are under coordination may inform an administration notifying its new assignment of the radio frequency channels used in their systems for SCPC transmission, so that the notifying administration may be able to avoid using these channels for FM-TV transmissions.
ADD	For this special case, administrations are referred to relevant CCIR texts for guidance in facilitating subsequent coordination.
NOC	Conversely, administrations introducing new systems using SCPC transmissions may seek appropriate information from other administrations on their FM-TV transmissions.
NOC	Annexes I, II and III

ANNEX IV

NOC	Example of an Application of Appendix 29
NOC	1 - 3
NOC	4. Conclusion
MOD	In the example shown, the percentage increase in equivalent satellite link noise temperature is 7.8%. Since it exceeds the threshold value of 6%, coordination between the two networks is required.

RESOLUTION GT-PLEN/1

**Planning of the Fixed-Satellite Service in
the Bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz**

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 First Session of the Conference requested the CCIR to study the technical characteristics of the fixed-satellite service in the bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz with a view to a decision on the future planning of these bands for the fixed-satellite service being taken by a future competent conference;
- b) that the CCIR concluded that it would be extremely unwise for these bands to be subject to planning at this time and that further study would be necessary;

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- 1. that these bands have not been exploited extensively due to technical and economic reasons, although they potentially have great capacity;
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resolves

that the bands 18.10 - 20.20 GHz and 27.00 - 30.00 GHz shall not be included in frequency bands identified for planning at this time;

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to continue its studies into the technical characteristics of the relevant bands:

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 256-E
14 September 1988
Original: English

COMMITTEE 6

SECOND REPORT OF WORKING GROUP 6-A TO COMMITTEE 6

Working Group 6-A met on 9 September for its second meeting. It was agreed that the first report (Document 175) be presented to Committee 6.

The Working Group agreed to proceed with the task attributed to it as follows:

- a) as a first task, the Working Group will examine the concept of MPMs;
- b) The Article 11 considerations will then need to be addressed;
- c) the proposals on the frequency bands will follow;
- d) finally, the consequential amendments to the Radio Regulations will need to be addressed.

The Working Group has started its discussions on the concept of MPMs by addressing the following subjects:

- 1) purpose of MPMs
- 2) legal and financial concerns
- 3) participation
- 4) venue
- 5) organization and conduct of meetings
- 6) relationship to the Radio Regulations.

From the initial discussions two types of MPM have been identified:

- 1) 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, or;
- 2) a formal meeting structure, convened on a regular basis with the ability to make binding decisions.

It should be noted that these are not the only possibilities which may evolve from the considerations, however, they are being used simply as models to focus discussion.

During the discussion on the legal and financial concerns, the Working Group concluded the following:

For an MPM which could be 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

- 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;
- b) decisions of such MPMs would have the status of coordination agreements;
- c) administrations participating would fund the MPM: The services of the ITU would be on request and possibly on a contractual basis.

For an MPM which could be a formal meeting structure, convened on a regular basis with the ability to make binding decisions

- 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 this type of MPM would have the binding status of an international agreement;
- c) funding would be from the regular budget of the Union as determined by the Plenipotentiary Conference.

The work is proceeding with the goodwill and constructive participation of all members.

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

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 257-E
14 September 1988
Original: English

WORKING GROUP 6-C

Turkey

PROPOSALS FOR THE WORK OF THE CONFERENCE

MODIFICATION OF RADIO REGULATIONS 858 AND 863

TUR/257/1

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 (including Turkey) and for Malta.

Reasons: Turkey submitted its requirements for feeder links in the 17 GHz band.

TUR/257/2

MOD 863

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 (including Turkey) and for Malta.

Reasons: Turkey submitted its requirements for feeder links in the 17 GHz band.

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INTERNATIONAL TELECOMMUNICATION UNION

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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 258-E
14 September 1988
Original: Spanish

COMMITTEE 4

Venezuela

REVIEW OF ORBITAL POSITION

After reviewing Document 242, the Venezuelan Administration found that the orbital position given for Venezuela was located at -129° for both the beam VEN0001 and VEN0002, which produces an elevation angle of around 17° .

While these two beams are intended for different coverage areas, the service arcs of both territories overlap, since they are located at practically identical longitudes, so that a single orbital position is required to cover both territories.

Document 192: "Final Report of Working Group 4-A to Committee 4", refers to the agreements that were reached on the values of the technical parameters of the Plan.

Section 11 of this document indicates the values of 30° and 40° as minimum elevation angles for climatic zones N and P respectively.

In the case of the Venezuelan Administration, account was not taken of the decision adopted by Working Group 4-A concerning the minimum elevation angle, which produces an orbital position which does not meet our requirements in any way.

We request Committee 4, and particularly Sub-Working Party 4-B-1, to take the necessary steps in accordance with the content of this document in order to solve this problem.

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 259-E
14 September 1988
Original: English

COMMITTEE 4

United States

PREPARATION OF A FIRST DRAFT PLAN USING THE
COMMON, OVERLAPPING PREDETERMINED ARC

This document contains results for a first draft Allotment Plan, where the Plan was developed using the common overlapping predetermined arc approach. This approach uses the NASARC software to generate predetermined arcs, followed by identification of orbital positions with the ORBIT-II/IRFB program. Further work continues on this process.

First draft Plan

This first draft Plan is identified as Plan 5-3-1-4 to indicate:

- a) the updated requirements (Document 230(Rev.1)) (5)
- b) common arc (3)
- c) multi-band plan (1)
- d) new technical parameters (Document 192) (4)

Annex 1 - Identification of common overlapping predetermined arcs using NASARC, 6/4 GHz parameters

Annex 2 - Report 5-3-1-4 (6/4 GHz) sorted by orbital position

Annex 3 - Report 5-3-1-4 (6/4 GHz) sorted by beam name

Annex 4 - Report 5-3-1-4 (14/11-12 GHz) sorted by orbital position

Annex 5 - Report 5-3-1-4 (14/11-12 GHz) sorted by beam name

Annex 6 - Histogram showing the results for the two sets of bands

* *
* NASARC FINAL RESULTS *
* *

TOTAL AMOUNT OF ORBITAL ARC USED (DEG) = 241.0
NUMBER OF GROUPINGS ALLOTTED = 54
NUMBER OF INDIVIDUAL SERVICE AREAS ALLOTTED = 167
NUMBER OF AFFILIATED SETS ALLOTTED = 15 (CONTAINING 56 S/A.)
NUMBER OF UNALLOCATED INDIVIDUAL SERVICE AREAS = 0
NUMBER OF UNALLOCATED AFFILIATED SETS = 0 (CONTAINING 0 S/A.)

GROUP MEMBERS		ALLOTTED ARC
		BOUNDARIES
1	510	-169.0 -166.0
2	ABW CA3 EQA GTM JMC	-119.0 -114.0
3	CTR GRD	-113.0 -109.0
4	BLZ CA2 620 HTI PNR URG	-108.0 -102.0
5	DMA PRU	-94.0 -90.0
6	BAH NCG VCT	-90.0 -86.0
7	PRG USA	-86.0 -82.0
8	BOL CAN DOM GMB HND SCN SUR	-77.0 -71.0
9	BC3 BRB MEX	-71.0 -67.0
10	ATG 560 CHL CPV GNB	-67.0 -62.0
11	PTC	-62.0 -59.0
12	570 CUB GUY SEN SLV	-59.0 -54.0
13	B00 MTN	-54.0 -50.0
14	520 540 MLI	-49.0 -45.0
15	CLM ISL LBR MRC STP	-45.0 -40.0
16	LUX	-40.0 -37.0
17	AGL BEN 590 SRL TUN 650	-37.0 -31.0
18	530	-31.0 -28.0
19	ALB GNE GUI IRL LBN SUI TRD	-27.0 -21.0
20	B02 BEL CYP GAB MLT SMR SWZ TGO TZA	-21.0 -14.0
21	AUT	-14.0 -11.0
22	ARS CME CTI 600 ZMB	-11.0 -6.0
23	BFA 640 YUG	-6.0 -2.0
24	AND GHA ISR ROU	-2.0 3.0
25	ALG CGG ETH	3.0 7.0
26	BUL FNL IRG LIE NGR	8.0 15.0
27	GRC IRN MCO NIG NOR	15.0 22.0
28	DOO	22.0 25.0
29	LBY	25.0 28.0
30	DDR	28.0 31.0

ANNEXE 1 - ANNEX 1 - ANEXO 1

ORB(2)/259-F/E/S
- 3 -

223 SERVICE AREAS - C BAND PARAMETERS - WITH RAIN ATTENUATION - NO EXISTING SYSTEMS

09/11/88 09:20

	GROUP MEMBERS	ALLOTTED ARC
		BOUNDARIES
31	POL TCD	31.0 35.0
32	EGY TCH	35.0 39.0
33	PAK SOO SYR ZAI	39.0 45.0
34	I00	45.0 48.0
35	CAF CVA 580 DNK MOZ UAE	48.0 54.0
36	HNG	54.0 57.0
37	BDI BOT MDG URS	57.0 62.0
38	AFS KEN TUR	62.0 66.0
39	COM IND NMB RRW	66.0 71.0
40	JOR DMA UGA VTN ZWE	78.0 83.0
41	AFG BRM MWI PHL YMS	83.0 88.0
42	LSO MAU MLA MLD SOM UR2	88.0 94.0
43	CHN SEY	99.0 103.0
44	550 BGD CLN KWT YEM	103.0 108.0
45	BHR CH2 DJT	108.0 112.0
46	500	112.0 115.0
47	QAT THA	115.0 119.0
48	CBG NPL	119.0 123.0
49	INS	123.0 126.0
50	UR3	138.0 141.0
51	LAD MNG PNG SNG TON	141.0 146.0
52	J00 NRU TUV VUT	146.0 151.0
53	BRU KIR KRE MAC 630 SLM	151.0 157.0
54	FJI KOR	157.0 161.0

223 SERVICE AREAS - C BAND PARAMETERS - WITH RAIN ATTENUATION - NO EXISTING SYSTEMS

09/11/88 09:20

*
* NASARC PDA ORBITAL REPRESENTATION *
*

1-

-180 -170 -160 -150 -140 -130 -120 -110 -100 -90
*2-*3-*4-*
5-

*-6-*7-* *-8-*9-*10-*11-*12-*13**14*-15-*16*-17-*18**-19-*20-*21*-22-*23*-

-90 -80 -70 -60 -50 -40 -30 -20 -10 0

--*-25**-26--*-27--*28*29*30*-31*-32--33-*34*-35-*36*-37--38*-39-* *-40-*41-*

0 10 20 30 40 50 60 70 80 90

-42-* *-43*-44-*45*46*-47*-48*49* *50*-51-*52-*53-*54*

90 100 110 120 130 140 150 160 170 180

 * *
 * AFFILIATED SETS CROSS-REFERENCE *
 * *

GROUP NUMBER	GROUP CODE	GROUP MEMBERS	INTERSECTED SERVICE ARC	
1	500	ADL KER NCL RE2 WAL	113.0	114.0
2	510	ALS CAR GUM HWA HWL JAR JON MDW MRL PLM SMA WAK	-169.0	-159.0
3	520	ARG AR2	-50.0	-20.0
4	530	ASC BER FLK GOO	-38.0	-28.0
5	540	ATN HOL	-50.0	1.0
6	550	AUS AU2 AU3 AU4 AU5	103.0	148.0
7	560	AZR MDR POR	-71.0	34.0
8	570	CNR E00	-61.0	50.0

9	580	CY2 GIB HKG	45.0	61.0
10	590	DN2 DN3 GRL	-40.0	-31.0
11	600	FOO GDL GUF MYT REU SPM	-13.0	5.0
12	620	GD2 GU2 OCE	-123.0	-82.0
13	630	NZL NZ2	151.0	-178.0
14	640	SDN SD2	-31.0	92.0
15	650	VEN VE2	-131.0	-2.0

220 SERVICE AREAS - C BAND PARAMETERS - WITH RAIN ATTENUATION - NO EXISTING SYSTEMS

09/11/88 09 20

*
* NASARC SERVICE AREA CROSS-REFERENCE *
*

NASARC SERVICE AREA CODE ITU ELLIPSE BEAM CODE

1	ABW	ABW00000
2	ADL	ADL00000
3	AFG	AFG00000
4	AFS	AFS00000
5	AGL	AGLOIFRB
6	ALB	ALB00000
7	ALG	ALG00000
8	ALS	ALS00000
9	AND	AND00000
10	ARG	ARG00000
11	AR2	ARGINSL
12	ARS	ARS00000
13	ASC	ASCSTHTC
14	ATG	ATGOIFRB
15	ATN	ATN00000
16	AUS	AUS00001
17	AU2	AUS00002
18	AU3	AUS00003
19	AU4	AUS00004
20	AU5	AUS00005
21	AUT	AUT00000
22	AZR	AZR00000
23	B00	B 00001
24	B02	B 00002
25	B03	B 00003
26	BAH	BAHOIFRB
27	BDI	BDIO0000
28	BEL	BEL00000
29	BEN	BEN00000
30	BER	BERCAYMS
31	BFA	BFA00000
32	BGD	BGD00000
33	BHR	BHR00000
34	BLZ	BLZ00000
35	BOL	BOL00000
36	BOT	BOT00000
37	BRB	BRBOIFRB
38	BRM	BRMOIFRB
39	BRU	BRUOIFRB
40	BUL	BUL00000

223 SERVICE AREAS - C BAND PARAMETERS - WITH RAIN ATTENUATION - NO EXISTING SYSTEMS

09/11/88 09:20

	NASARC SERVICE AREA CODE	ITU ELLIPSE BEAM CODE
41	CAF	CAFOIFRB
42	CAN	CANOEAST
43	CA2	CANOCENT
44	CA3	CANOWEST
45	CAR	CAR00000
46	CBG	CBGOIFRB
47	CHL	CHL00000
48	CHN	CHN00001
49	CH2	CHN00002
50	CLM	CLM00000
51	CLN	CLN00000
52	CME	CME00000
53	CNR	CNR00000
54	COG	COGOIFRB
55	COM	COMOIFRB
56	CPV	CPVOIFRB
57	CTI	CTI00000
58	CTR	CTR00000
59	CUB	CUB00000
60	CVA	CVA00000
61	CYP	CYP00000
62	CY2	CYPSBA00
63	DO0	D 00000
64	DDR	DDR00000
65	DJI	DJIOIFRB
66	DMA	DMA0IFRB
67	DNK	DNK00001
68	DN2	DNK00002
69	DN3	DNKOOFAR
70	DDM	DOMOIFRB
71	E00	E 00002
72	EGY	EGY00000
73	EGA	EQA00000
74	ETH	ETH00000
75	FO0	F 00000
76	FJI	FJIOIFRB
77	FLK	FLKSTGGL
78	FNL	FNL00000
79	G00	G 00000
80	GAB	GABOIFRB

	NASCAR SERVICE AREA CODE	ITU ELLIPSE BEAM CODE
81	GDL	GDL00000
82	GD2	GDL00002
83	GHA	GHA00000
84	GIB	GIB00000
85	GMB	GMBO00000
86	GNB	GNBOIFRB
87	GNE	GNEOIFRB
88	GRC	GRC00000
89	GRD	GRDOIFRB
90	GRL	GRLO00000
91	GTM	GTM00000
92	GUF	GUFO00000
93	GU2	GUFO0002
94	GUI	GUIOIFRB
95	GUM	GUMMRA00
96	GUY	GUY00000
97	HKG	HKG00000
98	HND	HND00000
99	HNG	HNG00000
100	HOL	HOLO0000
101	HTI	HTIOIFRB
102	HWA	HWA00000
103	HWL	HWL00000
104	I00	I 00000
105	IND	IND00000
106	INS	INS00000
107	IRL	IRL00000
108	IRN	IRN00000
109	IRQ	IRQ00000
110	ISL	ISL00000
111	ISR	ISR00000
112	J00	J 00000
113	JAR	JAR00000
114	JMC	JMC00000
115	JON	JDN00000
116	JOR	JOR00000
117	KEN	KEN00000
118	KER	KERO0000
119	KIR	KIROIFRB
120	KOR	KOR00000

223 SERVICE AREAS - C BAND PARAMETERS - WITH RAIN ATTENUATION - NO EXISTING SYSTEMS

04/11/88 09.20

NASARC SERVICE AREA CODE	ITU ELLIPSE BEAM CODE
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121	KRE	KRE00000
122	KWT	KWT00000
123	LAO	LAOOIFRB
124	LBN	LBN00000
125	LBR	LBR00000
126	LBY	LBY00000
127	LIE	LIE00000
128	LSO	LS00IFRB
129	LUX	LUX00000
130	MAC	MAC00000
131	MAU	MAU0IFRB
132	MCO	MCO00000
133	MDG	MDGOIFRB
134	MDR	MDR00000
135	MDW	MDW00000
136	MEX	MEX00000
137	MLA	MLA00000
138	MLD	MLDOIFRB
139	MLI	MLIOIFRB
140	MLT	MLT00000
141	MNG	MNG00000
142	MOZ	MOZOIFRB
143	MRC	MRC00000
144	MRL	MRL00000
145	MTN	MTNOIFRB
146	MWI	MWI0IFRB
147	MYT	MYT00000
148	NCG	NCG0IFRB
149	NCL	NCLO0000
150	NGR	NGROIFRB
151	NIG	NIGO0000
152	NMB	NMBOIFRB
153	NDR	NDR00000
154	NPL	NPL0IFRB
155	NRU	NRU0IFRB
156	NZL	NZL00001
157	NZ2	NZL00002
158	OCE	OCE00000
159	OMA	OMA00000
160	PAK	PAK00000

223 SERVICE AREAS - C BAND PARAMETERS - WITH RAIN ATTENUATION - NO EXISTING SYSTEMS

09/11/88 09:20

NASARC SERVICE AREA CODE	ITU ELLIPSE BEAM CODE
--------------------------	-----------------------

161	PHL	PHLOIFRB
162	PLM	PLM00000
163	PNG	PNG00000
164	PNR	PNROIFRB
165	POL	POL00000
166	POR	POR00000
167	PRG	PRG00000
168	PRU	PRU00000
169	PTC	PTC00000
170	QAT	QAT00000
171	REU	REU00000
172	RE2	REU00002
173	ROU	ROU00000
174	RRW	RRW01FRB
175	S00	S 00000
176	SCN	SCNOIFRB
177	SDN	SDN00001
178	SD2	SDN00002
179	SEN	SEN00000
180	SEY	SEY0IFRB
181	SLM	SLMOIFRB
182	SLV	SLVOIFRB
183	SMA	SMA00000
184	SMR	SMR00000
185	SNG	SNG00000
186	SOM	SOM0IFRB
187	SPM	SPM00000
188	SRL	SRL0IFRB
189	STP	STPOIFRB
190	SUI	SUI00000
191	SUR	SUROIFRB
192	SWZ	SWZ00000
193	SYR	SYR00000
194	TCD	TCDOIFRB
195	TCH	TCH00000
196	TGU	TGD00000
197	THA	THA00000
198	TON	TONOIFRB
199	TRD	TRD00000
200	TUN	TUN00000

223 SERVICE AREAS - C BAND PARAMETERS - WITH RAIN ATTENUATION - NO EXISTING SYSTEMS

09/11/88 09:20

NASARC SERVICE AREA CODE	ITU ELLIPSE BEAM CODE
201	TUR
202	TUV
203	TZA
204	UAE
205	UGA
206	URG
207	URS
208	UR2
209	UR3
210	USA
211	VCT
212	VEN
213	VE2
214	VTN
215	VUT
216	WAK
217	WAL
218	YEM
219	YMS
220	YUG
221	ZAI
222	ZMB
223	ZWE

ANNEXE 2 - ANNEX 2 - ANEXO 2

<u>Colonne</u>	<u>Description</u>
1.	Désignation du faisceau
2.	Position orbitale (degrés avec décimales)
3.	Longitude du point de visée de l'ellipse (degrés avec décimales)
4.	Latitude du point de visée de l'ellipse (degrés avec décimales)
5.	Grand axe de l'ellipse (degrés)
6.	Petit axe de l'ellipse (degrés)
7.	Orientation du grand axe (degrés dans le sens inverse des aiguilles d'une montre à partir de l'Equateur)
8.	P.i.r.e. sur la liaison montante (dB(W/MHz))
9.	P.i.r.e. sur la liaison descendante (dB(W/MHz))
10.	Fréquence de la liaison montante (GHz)
11.	Fréquence de la liaison descendante (GHz)
12.	C/I composite le plus défavorable
13.	Limite occidentale de l'arc de service
14.	Limite orientale de l'arc de service

<u>Column</u>	<u>Description</u>
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 predetermined arc
14.	Eastern limit of predetermined arc

<u>Columna</u>	<u>Descripción</u>
1.	Nombre del haz
2.	Posición orbital (grados decimales)
3.	Longitud del eje de puntería de la elipse (grados decimales)
4.	Latitud del eje de puntería de la elipse (grados decimales)
5.	Eje mayor de la elipse (grados)
6.	Eje menor de la elipse (grados)
7.	Orientación del eje mayor (grados desde el Ecuador en sentido inverso a las agujas de un reloj)
8.	p.i.r.e. del enlace ascendente (dBW/MHz)
9.	p.i.r.e. del enlace descendente (dBW/MHz)
10.	Frecuencia del enlace ascendente (GHz)
11.	Frecuencia del enlace descendente (GHz)
12.	C/I global de caso más desfavorable
13.	Límite occidental del arco predeterminado
14.	Límite oriental del arco predeterminado

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
IALSO00001	-167.601	-160.361	57.551	6.391	1.711	178.761	54.441	21.111	6.881	4.651	50.431	-169.001	-166.001
CARO00001	-167.601	-191.881	4.611	9.861	2.771	177.121	66.071	22.741	6.881	4.651	54.041	-169.001	-166.001
GUMMRA001	-167.601	-214.091	16.651	1.891	1.601	79.001	52.501	20.931	6.881	4.651	52.181	-169.001	-166.001
IHWA00001	-167.601	-157.621	20.741	1.601	1.601	90.001	52.501	19.811	6.881	4.651	68.161	-169.001	-166.001
IHWL00000	-167.601	-176.581	0.081	1.601	1.601	90.001	52.501	18.091	6.881	4.651	60.901	-169.001	-166.001
IJARO00001	-167.601	-160.001	-0.381	1.601	1.601	90.001	52.501	18.081	6.881	4.651	60.821	-169.001	-166.001
IJONO00001	-167.601	-168.501	17.001	1.601	1.601	90.001	52.501	17.781	6.881	4.651	70.861	-169.001	-166.001
IMDU00001	-167.601	-177.421	28.221	1.601	1.601	90.001	52.501	17.941	6.881	4.651	66.971	-169.001	-166.001
IMRL00000	-167.601	-184.701	8.741	2.541	1.771	96.641	53.461	20.691	6.881	4.651	57.641	-169.001	-166.001
IPILH00000	-167.601	-161.421	7.001	1.601	1.601	90.001	52.501	18.091	6.881	4.651	67.811	-169.001	-166.001
ISIMA00000	-167.601	-170.701	-14.221	1.601	1.601	90.001	52.501	17.761	6.881	4.651	52.031	-169.001	-166.001
IWAKO00001	-167.601	-193.501	19.201	1.601	1.601	90.001	52.501	17.971	6.881	4.651	61.651	-169.001	-166.001
JMC00000	-119.001	-77.591	18.181	1.601	1.601	90.001	52.501	18.781	6.881	4.651	31.931	-119.001	-114.001
IGTM00000	-117.201	-90.421	15.591	1.601	1.601	90.001	52.501	19.041	6.881	4.651	30.511	-119.001	-114.001
IEQA00000	-116.301	-83.261	-1.331	2.861	1.611	170.481	54.511	20.961	6.881	4.651	31.401	-119.001	-114.001
CANOWEST	-116.001	-120.181	57.411	3.281	2.031	171.681	52.501	20.991	6.881	4.651	31.861	-119.001	-114.001
ABBW00000	-115.401	-69.061	12.411	1.601	1.601	90.001	52.501	18.991	6.881	4.651	30.461	-119.001	-114.001
ICTR00000	-111.901	-85.561	8.181	1.601	1.601	90.001	52.501	19.761	6.881	4.651	34.361	-113.001	-109.001
IGRDOIFRB	-111.101	-61.601	12.001	1.601	1.601	90.001	52.501	18.971	6.881	4.651	30.981	-113.001	-109.001
IBLZ00000	-107.301	-88.621	17.241	1.601	1.601	90.001	52.501	18.461	6.881	4.651	34.701	-108.001	-102.001
ICANOCENT	-106.601	-95.631	51.341	4.411	2.371	157.561	54.941	21.291	6.881	4.651	35.361	-108.001	-102.001
IGDL00002	-105.901	-61.811	16.511	1.601	1.601	90.001	52.501	19.391	6.881	4.651	29.831	-108.001	-102.001
IGUF00002	-105.901	-53.041	4.401	1.601	1.601	90.001	52.661	19.931	6.881	4.651	39.041	-108.001	-102.001
IDCE00000	-105.901	-141.561	-16.041	3.581	2.301	131.741	55.001	20.881	6.881	4.651	45.281	-108.001	-102.001
IHTIOIFRB	-103.901	-73.001	18.831	1.601	1.601	90.001	52.501	18.501	6.881	4.651	29.531	-108.001	-102.001
IPNROIFRB	-102.601	-80.251	8.551	1.601	1.601	90.001	52.501	19.551	6.881	4.651	31.671	-108.001	-102.001
URG00000	-102.001	-56.741	-33.491	1.601	1.601	90.001	52.501	19.641	6.881	4.651	41.421	-108.001	-102.001
IPRU00000	-94.001	-74.311	-8.401	3.741	2.461	107.541	56.861	21.121	6.881	4.651	41.761	-94.001	-90.001
IDMA0IFRB	-92.901	-61.301	15.331	1.601	1.601	90.001	52.501	18.481	6.881	4.651	29.441	-94.001	-90.001
IVCT0IFRB	-89.201	-61.101	13.171	1.601	1.601	90.001	52.501	18.391	6.881	4.651	27.991	-90.001	-86.001
IBAHOIFRB	-88.001	-75.801	24.061	1.891	1.601	133.261	52.501	20.211	6.881	4.651	28.071	-90.001	-86.001
INCQ0IFRB	-86.601	-84.881	12.971	1.601	1.601	90.001	52.501	19.431	6.881	4.651	26.581	-90.001	-86.001
IGAVIRPT	-84.501	-83.741	31.741	10.101	4.621	169.011	63.121	21.681	6.881	4.651	34.181	-86.001	-82.001
IPRG00000	-83.501	-58.731	-23.101	1.701	1.601	111.271	52.501	20.691	6.881	4.651	33.771	-86.001	-82.001
ISUROIIFRB	-77.001	-55.631	3.931	1.601	1.601	90.001	52.501	19.281	6.881	4.651	35.821	-77.001	-71.001
IGMB00000	-76.501	-16.401	13.401	1.601	1.601	90.001	52.501	18.851	6.881	4.651	33.581	-77.001	-71.001
IDOL00000	-76.001	-64.801	-17.121	2.731	2.331	132.301	55.181	20.891	6.881	4.651	32.301	-77.001	-71.001
IHND00000	-75.401	-86.111	15.451	1.601	1.601	90.001	52.501	20.021	6.881	4.651	33.341	-77.001	-71.001
ICANOEAST	-74.401	-72.221	50.241	4.731	2.701	174.221	55.631	21.121	6.881	4.651	34.591	-77.001	-71.001
ISCN0IFRB	-72.501	-62.901	17.331	1.601	1.601	90.001	52.501	18.191	6.881	4.651	26.751	-77.001	-71.001
IDOMOIFRB	-71.001	-70.401	18.671	1.601	1.601	90.001	52.501	18.181	6.881	4.651	28.501	-77.001	-71.001
IBRBOIFRB	-69.801	-59.601	13.171	1.601	1.601	90.001	52.501	18.161	6.881	4.651	29.111	-71.001	-67.001
IB 00003	-69.001	-50.031	-20.881	4.441	3.121	60.011	58.851	21.361	6.881	4.651	33.091	-71.001	-67.001
IMEX00000	-68.501	-101.281	23.081	4.201	2.751	164.951	57.521	21.521	6.881	4.651	34.101	-71.001	-67.001
ICPVOIFRB	-67.001	-24.101	16.001	1.601	1.601	90.001	52.501	18.251	6.881	4.651	34.511	-67.001	-62.001
IAZRO00001	-65.101	-28.371	38.741	1.601	1.601	90.001	52.501	19.041	6.881	4.651	41.891	-67.001	-62.001
IMDR00000	-65.101	-16.531	32.131	1.601	1.601	90.001	52.501	19.131	6.881	4.651	36.171	-67.001	-62.001
IPOR00000	-65.101	-8.311	39.491	1.601	1.601	90.001	52.501	19.661	6.881	4.651	36.581	-67.001	-62.001
ATG01IFRB	-64.101	-61.801	17.001	1.601	1.601	90.001	52.501	18.161	6.881	4.651	33.661	-67.001	-62.001
IGNBOIFRB	-63.501	-15.401	12.001	1.601	1.601	90.001	52.501	18.491	6.881	4.651	30.871	-67.001	-62.001
ICHL00000	-62.701	-80.051	-32.611	8.801	5.531	144.301	61.301	21.481	6.881	4.651	34.711	-67.001	-62.001
PTC000001	-60.201	-130.101	-25.071	1.601	1.601	90.001	52.501	18.821	6.881	4.651	27.531	-62.001	-59.001

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
ISEN000001	-58.001	-13.881	14.161	1.601	1.601	90.001	52.501	19.761	6.881	4.651	30.841	-59.001	-54.001
GUY000001	-57.201	-59.081	4.741	1.651	1.601	101.651	52.501	20.111	6.881	4.651	31.011	-59.001	-54.001
ICUB000001	-56.601	-79.361	21.111	1.891	1.601	172.901	52.501	20.551	6.881	4.651	31.631	-59.001	-54.001
ICNR000001	-56.001	-16.151	20.361	1.601	1.601	90.001	52.501	18.651	6.881	4.651	29.741	-59.001	-54.001
IE 000021	-56.001	-4.521	40.381	1.721	1.601	140.541	52.501	20.701	6.881	4.651	33.231	-59.001	-54.001
ISLVOIFRB1	-55.001	-89.001	13.671	1.601	1.601	90.001	52.501	18.881	6.881	4.651	33.871	-59.001	-54.001
IMTNOIFRB1	-52.801	-10.831	19.691	2.711	1.741	108.841	52.501	20.611	6.881	4.651	28.211	-54.001	-50.001
IB 000011	-50.801	-62.111	-5.971	4.371	4.291	95.981	59.841	21.001	6.881	4.651	31.781	-54.001	-50.001
IMLIOIFRB1	-47.401	-4.821	17.691	2.681	2.171	107.351	53.831	21.041	6.881	4.651	27.211	-49.001	-45.001
ARG000001	-47.101	-61.761	-34.001	4.871	3.031	99.981	59.801	21.701	6.881	4.651	31.171	-49.001	-45.001
ARGINSUL1	-47.101	-59.891	-57.211	3.871	1.601	153.941	52.501	21.361	6.881	4.651	33.251	-49.001	-45.001
ATN000001	-46.101	-65.961	15.081	1.831	1.601	43.991	52.501	20.131	6.881	4.651	29.461	-49.001	-45.001
IHOL000001	-46.101	5.651	52.431	1.601	1.601	90.001	52.501	18.991	6.881	4.651	33.231	-49.001	-45.001
ISTPOIFRB1	-43.401	7.001	1.001	1.601	1.601	90.001	52.501	18.951	6.881	4.651	34.971	-45.001	-40.001
IMRC000001	-42.901	-9.221	29.181	3.151	1.601	63.251	52.501	20.441	6.881	4.651	30.051	-45.001	-40.001
ISL000001	-42.501	-18.281	64.911	1.601	1.601	90.001	52.501	19.521	6.881	4.651	31.821	-45.001	-40.001
ICLM000001	-41.801	-73.551	5.511	3.821	2.151	107.241	57.691	21.331	6.881	4.651	31.621	-45.001	-40.001
ILBRO000001	+41.401	-8.941	6.501	1.601	1.601	90.001	52.501	19.561	6.881	4.651	31.931	-45.001	-40.001
ILUX000001	-38.901	6.191	49.811	1.601	1.601	90.001	52.501	18.681	6.881	4.651	29.781	-40.001	-37.001
IVEN000011	-35.901	-65.681	6.741	2.581	2.131	122.361	55.051	21.101	6.881	4.651	31.301	-37.001	-31.001
IVEN000021	-35.901	-63.621	15.671	1.601	1.601	90.001	52.501	18.401	6.881	4.651	32.291	-37.001	-31.001
ISRL0IFRB1	-35.401	-11.701	8.501	1.601	1.601	90.001	52.501	18.281	6.881	4.651	31.671	-37.001	-31.001
IDNK000021	-34.801	10.941	55.731	1.601	1.601	90.001	52.501	19.301	6.881	4.651	29.531	-37.001	-31.001
IDNKOOFAR1	-34.801	-7.181	61.741	1.601	1.601	90.001	52.501	18.781	6.881	4.651	32.501	-37.001	-31.001
IGRL000001	-34.801	-39.401	67.611	2.321	1.601	2.321	52.501	20.911	6.881	4.651	36.681	-37.001	-31.001
IBENO000001	-33.701	2.331	9.291	1.601	1.601	90.001	52.501	20.131	6.881	4.651	33.251	-37.001	-31.001
AGLO0IFRB1	-33.101	15.911	-12.431	2.611	1.711	78.301	52.501	20.661	6.881	4.651	33.921	-37.001	-31.001
ITUN000001	-32.601	8.721	33.301	1.601	1.601	90.001	52.501	20.301	6.881	4.651	33.241	-37.001	-31.001
ASCSTHTC1	-29.801	-11.511	-19.611	5.781	2.131	80.131	54.651	20.731	6.881	4.651	40.711	-31.001	-28.001
IBERCAYMS1	-29.801	-68.301	22.551	3.721	2.131	46.491	56.681	21.791	6.881	4.651	34.561	-31.001	-28.001
IFLKSTGGL1	-29.801	-45.851	-59.641	4.031	1.601	166.841	52.501	21.081	6.881	4.651	40.091	-31.001	-28.001
IG 000001	-29.801	-3.841	53.961	1.771	1.601	153.141	52.501	20.461	6.881	4.651	29.571	-31.001	-28.001
IGNE0IFRB1	-26.801	10.501	1.671	1.601	1.601	90.001	52.501	18.911	6.881	4.651	32.411	-27.001	-21.001
IALB000001	-26.501	20.021	40.961	1.601	1.601	90.001	52.501	19.211	6.881	4.651	30.251	-27.001	-21.001
IGUI0IFRB1	-25.901	-11.001	10.241	1.811	1.601	151.551	52.501	20.231	6.881	4.651	34.201	-27.001	-21.001
IRL000001	-24.701	-9.161	53.261	1.601	1.601	90.001	52.501	19.041	6.881	4.651	29.451	-27.001	-21.001
ILBN000001	-24.101	35.801	33.831	1.601	1.601	90.001	52.501	18.781	6.881	4.651	34.011	-27.001	-21.001
ISUI000001	-23.501	8.301	46.751	1.601	1.601	90.001	52.501	18.731	6.881	4.651	29.041	-27.001	-21.001
ITRD000001	-23.101	-60.941	10.771	1.601	1.601	90.001	52.501	18.641	6.881	4.651	33.811	-27.001	-21.001
ITZA0IFRB1	-20.601	34.281	-5.881	2.291	1.601	93.661	52.501	20.601	6.881	4.651	36.291	-21.001	-14.001
ITGD000001	-20.001	0.831	8.581	1.601	1.601	90.001	52.501	19.531	6.881	4.651	34.121	-21.001	-14.001
ISWZ000001	-19.601	31.291	-26.351	1.601	1.601	90.001	52.501	18.681	6.881	4.651	35.151	-21.001	-14.001
ISMRO000001	-19.101	12.461	43.931	1.601	1.601	90.001	52.501	18.531	6.881	4.651	26.981	-21.001	-14.001
IB 000021	-18.101	-43.701	-6.361	4.771	3.921	131.731	60.791	21.361	6.881	4.651	39.831	-21.001	-14.001
IMLT000001	-17.101	14.641	36.131	1.601	1.601	90.001	52.501	18.431	6.881	4.651	28.821	-21.001	-14.001
IGABO0IFRB1	-16.301	11.581	-0.751	1.601	1.601	90.001	52.501	20.171	6.881	4.651	34.161	-21.001	-14.001
IBEL000001	-15.801	4.721	50.801	1.601	1.601	90.001	52.501	18.661	6.881	4.651	28.861	-21.001	-14.001
ICYP000001	-14.701	33.201	35.101	1.601	1.601	90.001	52.501	18.681	6.881	4.651	33.551	-21.001	-14.001
IAUT000001	-12.201	13.111	47.831	1.601	1.601	90.001	52.501	19.241	6.881	4.651	28.151	-14.001	-11.001
ICT1000001	-10.201	-5.851	7.791	1.601	1.601	90.001	52.501	19.881	6.881	4.651	33.141	-11.001	-6.001
IARSG000001	-9.701	43.111	23.411	3.551	1.601	127.431	52.501	20.921	6.881	4.651	29.491	-11.001	-6.001
ICMEO000001	-9.201	13.121	5.701	2.761	1.601	88.611	53.721	20.911	6.881	4.651	32.451	-11.001	-6.001

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1	14
IF	00000	-7.801	2.961	45.941	2.371	1.601	164.491	52.501	20.611	6.881	4.651	27.951	-11.001	-6.001		
IGDL	00000	-7.801	-61.621	16.411	1.601	1.601	90.001	52.501	19.571	6.881	4.651	40.791	-11.001	-6.001		
IGUFO	00000	-7.801	-52.981	4.751	1.601	1.601	90.001	52.501	19.681	6.881	4.651	36.671	-11.001	-6.001		
IMYTO	00000	-7.801	-45.201	-12.831	1.601	1.601	90.001	52.501	18.601	6.881	4.651	37.401	-11.001	-6.001		
IREUO	00000	-7.801	55.571	-21.121	1.601	1.601	90.001	52.501	19.731	6.881	4.651	34.131	-11.001	-6.001		
ISPM	00000	-7.801	-56.401	46.961	1.601	1.601	90.001	52.501	18.871	6.881	4.651	46.681	-11.001	-6.001		
IZMDO	01FRB	-6.901	27.431	-12.971	2.441	1.601	40.331	52.501	20.211	6.881	4.651	30.761	-11.001	-6.001		
IYUGO	00000	-4.501	17.711	43.781	1.701	1.601	152.581	52.501	20.291	6.881	4.651	27.871	-6.001	-2.001		
IBFA	00000	-3.701	-1.401	12.191	1.961	1.601	23.911	52.501	20.011	6.881	4.651	30.761	-6.001	-2.001		
ISDN	00001	-3.101	29.241	10.231	3.071	2.051	128.921	53.071	20.751	6.881	4.651	34.871	-6.001	-2.001		
ISDN	00002	-3.101	29.231	16.561	2.711	2.551	117.431	52.501	20.401	6.881	4.651	31.271	-6.001	-2.001		
IRDUO	00000	0.001	24.611	45.591	1.601	1.601	90.001	52.501	20.151	6.881	4.651	28.501	-2.001	3.001		
IISR	00000	0.601	34.661	30.701	1.601	1.601	90.001	52.501	19.101	6.881	4.651	29.341	-2.001	3.001		
IANDO	00000	0.901	1.531	42.521	1.601	1.601	90.001	52.501	18.241	6.881	4.651	28.431	-2.001	3.001		
IGHA	00000	1.701	-1.321	7.761	1.671	1.601	94.161	52.501	20.061	6.881	4.651	31.911	-2.001	3.001		
IALG	00000	4.901	2.841	27.891	3.741	3.111	6.991	54.561	20.521	6.881	4.651	30.021	3.001	7.001		
ICDUGO	01FRB	5.301	14.891	-0.471	2.341	1.601	55.821	52.501	20.441	6.881	4.651	28.561	3.001	7.001		
IEIHO	00000	6.001	39.841	10.451	2.761	2.141	113.121	52.501	20.881	6.881	4.651	33.241	3.001	7.001		
IBUL	00000	9.901	25.231	42.921	1.601	1.601	90.001	52.501	19.021	6.881	4.651	29.531	8.001	15.001		
IRRQ	00000	10.601	44.001	33.051	2.051	1.601	145.441	52.501	20.241	6.881	4.651	32.131	8.001	15.001		
IFNL	00000	11.801	25.861	64.771	1.601	1.601	90.001	52.501	19.891	6.881	4.651	27.661	8.001	15.001		
ILIF	00000	13.301	9.501	47.201	1.601	1.601	90.001	52.501	18.321	6.881	4.651	27.511	8.001	15.001		
INGR	00000	14.101	8.301	17.211	3.331	2.251	22.501	52.501	20.221	6.881	4.651	33.151	8.001	15.001		
IGRC	00000	16.001	24.721	38.271	1.891	1.601	159.101	52.501	20.251	6.881	4.651	30.041	15.001	22.001		
INOR	00000	17.001	12.831	60.141	2.581	1.601	14.181	52.501	21.041	6.881	4.651	27.811	15.001	22.001		
IMCD	00000	19.001	7.401	43.671	1.601	1.601	90.001	52.501	18.461	6.881	4.651	27.671	15.001	22.001		
IRN	00000	20.801	54.111	32.971	3.841	1.661	142.431	52.501	20.771	6.881	4.651	36.431	15.001	22.001		
INIG	00000	21.501	7.561	9.731	2.921	1.971	29.871	54.571	20.771	6.881	4.651	34.491	15.001	22.001		
ID	00000	22.401	9.761	50.641	1.601	1.601	90.001	52.501	19.381	6.881	4.651	28.141	22.001	25.001		
ILDY	00000	25.801	19.091	25.961	3.291	2.771	162.171	54.191	20.641	6.881	4.651	33.151	25.001	28.001		
IDLR	00000	28.501	12.861	51.671	1.601	1.601	90.001	52.501	19.031	6.881	4.651	29.801	28.001	31.001		
ITCDO	01FRB	32.101	18.841	15.611	3.621	2.091	77.211	53.891	20.491	6.881	4.651	31.511	31.001	35.001		
IPOL	00000	33.301	19.271	52.031	1.601	1.601	90.001	52.501	19.631	6.881	4.651	28.201	31.001	35.001		
IEGY	00000	36.501	29.841	26.201	2.511	2.261	2.901	52.501	20.251	6.881	4.651	31.661	35.001	39.001		
ITCH	00000	38.001	17.761	49.181	1.601	1.601	90.001	52.501	19.661	6.881	4.651	27.611	35.001	39.001		
IZAOI	01FRB	41.201	24.091	-4.591	4.111	4.071	25.201	59.631	21.131	6.881	4.651	38.071	39.001	45.001		
IS	00000	41.801	18.251	60.521	2.061	1.601	28.681	52.501	20.851	6.881	4.651	27.481	39.001	45.001		
IPAK	00000	42.501	69.601	29.781	2.681	2.251	20.991	52.931	20.801	6.881	4.651	33.751	39.001	45.001		
ISYR	00000	43.101	36.671	35.601	2.051	1.601	8.491	52.501	20.131	6.881	4.651	31.491	39.001	45.001		
II	00000	45.001	13.081	40.811	1.931	1.601	53.791	52.501	20.461	6.881	4.651	29.121	45.001	48.001		
IAAE	00000	48.301	53.721	24.571	1.601	1.601	90.001	52.501	18.891	6.881	4.651	36.551	48.001	54.001		
IDNK	00001	49.001	12.221	56.101	1.601	1.601	90.001	52.501	19.371	6.881	4.651	27.501	48.001	54.001		
IMUZO	01FRB	49.501	34.641	-17.221	3.601	2.001	71.111	53.831	20.631	6.881	4.651	35.151	48.001	54.001		
ICVA	00000	50.501	12.501	41.881	1.601	1.601	90.001	52.501	18.601	6.881	4.651	28.201	48.001	54.001		
ICYP	SBA001	52.501	32.951	34.581	1.601	1.601	90.001	52.501	18.241	6.881	4.651	29.201	48.001	54.001		
IGIB	00000	52.501	-5.351	36.151	1.601	1.601	90.001	52.501	18.951	6.881	4.651	33.761	48.001	54.001		
IHKG	00000	52.501	114.501	22.421	1.601	1.601	90.001	52.501	19.571	6.881	4.651	42.021	48.001	54.001		
ICAF	OIFRB	53.101	21.851	6.381	2.431	1.831	27.561	54.531	21.021	6.881	4.651	36.001	48.001	54.001		
HNGO	00000	54.001	19.311	47.121	1.601	1.601	90.001	52.501	19.361	6.881	4.651	27.841	54.001	57.001		
IBOT	00000	58.801	24.161	-21.741	1.861	1.601	121.011	52.501	19.981	6.881	4.651	31.231	57.001	62.001		
IBDI	00000	59.401	29.971	-3.221	1.601	1.601	90.001	52.501	18.431	6.881	4.651	32.111	57.001	62.001		
IMDG	OIFRB	60.101	46.601	-18.291	2.911	1.601	85.911	53.531	20.541	6.881	4.651	37.551	57.001	62.001		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 -- PART I -- SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

														SLT.	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
IURS00001	62.001	57.821	48.271	7.471	3.481	178.291	58.891	21.361	6.081	4.651	30.471	57.001	62.001		
IKEM00000	64.201	38.291	0.851	2.341	1.811	98.091	52.501	20.081	6.081	4.651	31.611	62.001	66.001		
IAFS00000	64.901	26.741	-29.721	5.641	1.821	129.071	54.721	21.141	6.081	4.651	32.161	62.001	66.001		
ITURO00000	65.701	36.701	35.531	2.781	1.981	41.571	53.011	21.371	6.081	4.651	27.061	62.001	66.001		
ICONO1FRB1	68.101	44.101	-12.171	1.601	1.601	90.001	52.501	18.311	6.081	4.651	33.501	66.001	71.001		
ITND00000	68.701	82.001	10.971	6.481	4.891	118.201	62.611	21.381	6.081	4.651	36.651	66.001	71.001		
IKRWO1FRB1	70.201	30.001	-2.001	1.601	1.601	90.001	52.501	10.261	6.081	4.651	33.201	66.001	71.001		
INMBO1FRB1	71.001	19.671	-21.041	2.921	1.601	116.981	52.501	20.741	6.081	4.651	31.921	66.001	71.001		
IWE00000	79.301	30.981	-17.471	1.601	1.601	90.001	52.501	18.461	6.081	4.651	30.831	78.001	83.001		
IVTN00000	79.601	107.911	14.311	3.781	2.381	130.311	57.471	21.181	6.081	4.651	33.751	78.001	83.001		
IUGAO1FRB1	80.101	32.231	1.381	1.601	1.601	90.001	52.501	19.591	6.081	4.651	33.551	78.001	83.001		
IMOMA00000	80.701	56.141	21.631	2.361	1.601	52.651	52.501	20.071	6.081	4.651	30.191	78.001	83.001		
IUJRO00000	81.501	36.661	31.321	1.601	1.601	90.001	52.501	19.081	6.081	4.651	32.161	78.001	83.001		
IKHGO00000	84.301	66.931	33.901	2.871	1.601	21.071	52.501	20.331	6.081	4.651	31.261	83.001	88.001		
IMWJO1FRB1	85.101	34.821	-13.221	1.711	1.601	108.821	52.501	20.281	6.081	4.651	33.961	83.001	88.001		
IBRMO1FRB1	85.601	96.851	18.831	3.431	1.801	101.151	55.101	20.911	6.081	4.651	31.981	83.001	88.001		
IMHLO1FRD1	86.201	121.191	11.361	3.461	1.601	101.411	56.101	21.521	6.081	4.651	32.071	83.001	88.001		
IMHS00000	86.901	50.061	14.391	2.081	1.601	24.781	52.501	20.281	6.081	4.651	32.921	83.001	88.001		
ILSOO1FRB1	90.501	28.401	-29.501	1.601	1.601	90.001	52.501	18.801	6.081	4.651	34.771	88.001	94.001		
IMAUO1FRB1	91.101	57.501	-20.171	1.601	1.601	90.001	52.501	18.581	6.081	4.651	35.031	88.001	94.001		
IMLA00000	91.701	107.461	3.981	3.801	1.601	2.881	55.101	20.911	6.081	4.651	32.781	88.001	94.001		
IMLDO1FRB1	92.201	73.131	2.481	2.501	1.601	89.051	52.501	20.331	6.081	4.651	31.781	88.001	94.001		
ISUHO1FRB1	93.001	45.951	7.041	3.581	1.601	70.581	52.501	20.831	6.081	4.651	31.041	88.001	94.001		
IURS000021	93.801	96.971	40.191	9.501	3.291	176.101	60.281	21.761	6.081	4.651	34.331	88.001	94.001		
ISEY01FRB1	100.701	55.401	-4.501	1.601	1.601	90.001	52.501	18.791	6.081	4.651	28.661	99.001	103.001		
ICHNO00001	101.101	103.731	34.981	8.301	4.511	2.451	62.121	21.521	6.081	4.651	34.211	99.001	103.001		
IFEMO1FRB1	104.101	44.471	15.021	1.601	1.601	90.001	52.501	19.401	6.081	4.651	34.041	103.001	108.001		
IBCD000001	104.701	90.241	24.011	1.601	1.601	90.001	52.501	19.331	6.081	4.651	29.681	103.001	108.001		
ICLN000001	105.401	80.081	7.671	1.601	1.601	90.001	52.501	18.401	6.081	4.651	32.721	103.001	108.001		
IAUS00001	106.001	131.021	-24.381	6.311	5.061	44.441	65.941	22.261	6.081	4.651	44.891	103.001	108.001		
IAUS000021	106.001	163.101	-30.261	1.601	1.601	90.001	52.501	20.091	6.081	4.651	42.851	103.001	108.001		
IAUS000031	106.001	101.341	-11.541	1.961	1.601	9.841	52.501	19.711	6.081	4.651	37.721	103.001	108.001		
IAUS000041	106.001	158.971	-54.471	1.601	1.601	90.001	52.501	18.731	6.081	4.651	46.981	103.001	108.001		
IAUS00005	106.001	110.421	-66.271	1.601	1.601	90.001	52.501	18.641	6.081	4.651	45.961	103.001	108.001		
IKWT000001	106.701	48.071	29.301	1.601	1.601	90.001	52.501	18.781	6.081	4.651	29.011	103.001	108.001		
IBHRO00000	110.201	50.601	26.071	1.601	1.601	90.001	52.501	18.641	6.081	4.651	28.151	108.001	112.001		
ICIN000021	110.701	114.091	15.781	4.891	2.951	71.331	58.601	20.941	6.081	4.651	34.331	108.001	112.001		
IDJTO1FRB1	111.301	42.601	11.671	1.601	1.601	90.001	52.501	18.891	6.081	4.651	34.291	108.001	112.001		
IAADL000001	114.001	140.021	-66.671	1.601	1.601	90.001	52.501	18.711	6.081	4.651	42.241	112.001	115.001		
IKER000001	114.001	69.391	-43.931	2.001	1.731	163.521	52.501	20.861	6.081	4.651	47.711	112.001	115.001		
INCL000000	114.001	165.781	-21.411	1.601	1.601	90.001	52.501	19.391	6.081	4.651	39.011	112.001	115.001		
IREU000021	114.001	55.581	-21.121	1.601	1.601	90.001	52.501	19.461	6.081	4.651	45.941	112.001	115.001		
IWAQ000001	114.001	182.851	-13.801	1.601	1.601	90.001	52.741	20.141	6.081	4.651	43.681	112.001	115.001		
ITHAO000001	115.501	100.891	12.841	2.971	1.931	86.331	54.821	20.841	6.081	4.651	30.951	115.001	119.001		
IGATO000001	116.901	50.971	23.451	1.601	1.601	90.001	52.501	18.791	6.081	4.651	34.641	115.001	119.001		
INPLO1FRB1	119.901	84.341	28.041	1.601	1.601	90.001	52.501	19.251	6.081	4.651	38.851	119.001	123.001		
ICRC01FRB1	121.501	105.221	12.811	1.601	1.601	90.001	52.501	19.701	6.081	4.651	28.281	119.001	123.001		
INNS0000001	126.001	118.921	-1.821	9.401	4.541	169.651	64.501	21.461	6.081	4.651	39.011	123.001	126.001		
IURS000031	138.001	134.281	52.641	7.241	2.641	5.391	57.801	21.631	6.081	4.651	33.051	138.001	141.001		
ITONO1FRB1	141.001	184.831	-21.171	1.601	1.601	90.001	52.501	18.861	6.081	4.651	39.111	141.001	146.001		
ISNG0000001	141.601	103.851	1.281	1.601	1.601	90.001	52.501	18.931	6.081	4.651	33.351	141.001	146.001		
IPNG0000001	142.101	148.141	-6.671	3.461	2.491	168.581	56.331	20.821	6.081	4.651	36.781	141.001	146.001		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

														SLT.	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
IMNG000001	142.701	105.701	47.001	3.191	1.601	14.951	52.501	20.711	6.881	4.651	28.151	141.001	146.001		
ILADOIFRB1	143.401	104.191	18.151	1.731	1.601	98.781	52.501	20.571	6.881	4.651	36.051	141.001	146.001		
ITUV000001	146.801	179.161	-8.501	1.601	1.601	90.001	52.501	18.451	6.881	4.651	36.191	146.001	151.001		
INRU01FRB1	147.601	166.901	-0.501	1.601	1.601	90.001	52.501	18.191	6.881	4.651	33.421	146.001	151.001		
IJ_000001	148.301	140.961	30.531	6.151	3.791	15.981	59.901	21.271	6.881	4.651	35.801	146.001	151.001		
IVUTOIFRB1	148.801	168.411	-17.171	1.601	1.601	90.001	52.501	19.711	6.881	4.651	33.281	146.001	151.001		
ISLHOIFRB1	152.501	158.971	-9.091	1.761	1.601	147.311	52.501	20.211	6.881	4.651	32.831	151.001	157.001		
INZL000001	153.101	171.241	-44.391	5.571	1.601	49.321	54.651	21.691	6.881	4.651	39.011	151.001	157.001		
INZL000002	153.101	194.591	-13.231	2.861	2.191	82.631	55.041	21.431	6.881	4.651	36.531	151.001	157.001		
IKIRO1FRB1	153.801	173.001	1.001	1.601	1.601	90.001	52.501	18.181	6.881	4.651	34.151	151.001	157.001		
IBRU01FRB1	154.301	114.601	4.501	1.601	1.601	90.001	52.501	18.991	6.881	4.651	37.081	151.001	157.001		
IKRE000001	154.801	127.611	40.071	1.601	1.601	90.001	52.501	20.391	6.881	4.651	29.741	151.001	157.001		
IMAC000001	155.401	113.571	22.171	1.601	1.601	90.001	52.501	18.821	6.881	4.651	35.181	151.001	157.001		
IFJ101FRB1	160.201	178.501	-17.171	1.601	1.601	90.001	52.501	18.271	6.881	4.651	42.191	157.001	161.001		
IPUR000001	160.901	128.871	35.331	1.601	1.601	90.001	52.501	19.841	6.881	4.651	33.421	157.001	161.001		

ANNEXE 3 - ANNEX 3 - ANEXO 3

<u>Colonne</u>	<u>Description</u>
1.	Désignation du faisceau
2.	Position orbitale (degrés avec décimales)
3.	Longitude du point de visée de l'ellipse (degrés avec décimales)
4.	Latitude du point de visée de l'ellipse (degrés avec décimales)
5.	Grand axe de l'ellipse (degrés)
6.	Petit axe de l'ellipse (degrés)
7.	Orientation du grand axe (degrés dans le sens inverse des aiguilles d'une montre à partir de l'Equateur)
8.	P.i.r.e. sur la liaison montante (dB(W/MHz))
9.	P.i.r.e. sur la liaison descendante (dB(W/MHz))
10.	Fréquence de la liaison montante (GHz)
11.	Fréquence de la liaison descendante (GHz)
12.	C/I composite le plus défavorable
13.	Limite occidentale de l'arc de service
14.	Limite orientale de l'arc de service

<u>Column</u>	<u>Description</u>
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 predetermined arc
14.	Eastern limit of predetermined arc

<u>Columna</u>	<u>Descripción</u>
1.	Nombre del haz
2.	Posición orbital (grados decimales)
3.	Longitud del eje de puntería de la elipse (grados decimales)
4.	Latitud del eje de puntería de la elipse (grados decimales)
5.	Eje mayor de la elipse (grados)
6.	Eje menor de la elipse (grados)
7.	Orientación del eje mayor (grados desde el Ecuador en sentido inverso a las agujas de un reloj)
8.	p.i.r.e. del enlace ascendente (dBW/MHz)
9.	p.i.r.e. del enlace descendente (dBW/MHz)
10.	Frecuencia del enlace ascendente (GHz)
11.	Frecuencia del enlace descendente (GHz)
12.	C/I global de caso más desfavorable
13.	Límite occidental del arco predeterminado
14.	Límite oriental del arco predeterminado

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1
14

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ABW00000	-115.40	-69.06	12.41	1.60	1.60	90.00	52.50	18.99	6.88	4.65	30.46	-119.00	-114.00	
ADL00000	114.00	140.02	-66.67	1.60	1.60	90.00	52.50	18.71	6.88	4.65	42.24	112.00	115.00	
AFC00000	84.30	66.93	33.90	2.87	1.60	21.07	52.50	20.33	6.88	4.65	31.26	83.00	88.00	
AFS00000	64.90	26.74	-29.72	5.64	1.82	129.07	54.72	21.14	6.88	4.65	32.16	62.00	66.00	
AGL01FRB	-33.10	15.91	-12.43	2.61	1.71	78.30	52.50	20.66	6.88	4.65	33.92	-37.00	-31.00	
ALB00000	-26.50	20.02	40.96	1.60	1.60	90.00	52.50	19.21	6.88	4.65	30.25	-27.00	-21.00	
ALG00000	4.90	2.84	27.89	3.74	3.11	6.99	54.56	20.52	6.88	4.65	30.02	3.00	7.00	
ALS00000	-167.60	-160.36	57.55	6.39	1.71	178.76	54.44	21.11	6.88	4.65	50.43	-169.00	-166.00	
AND00000	0.90	1.53	42.52	1.60	1.60	90.00	52.50	18.24	6.88	4.65	28.43	-2.00	3.00	
ARG00000	-47.10	-61.76	-34.00	4.87	3.03	99.98	59.80	21.70	6.88	4.65	31.17	-49.00	-45.00	
ARGINSUL	-47.10	-59.89	-57.21	3.87	1.60	153.94	52.50	21.36	6.88	4.65	33.25	-49.00	-45.00	
ARS00000	-9.70	43.11	23.41	3.55	1.60	127.43	52.50	20.92	6.88	4.65	29.49	-11.00	-6.00	
ASCSTHTC	-29.80	-11.51	-19.61	5.78	2.13	80.13	54.65	20.73	6.88	4.65	40.71	-31.00	-28.00	
ATC01FRB	-64.10	-61.80	17.00	1.60	1.60	90.00	52.50	18.16	6.88	4.65	33.66	-67.00	-62.00	
ATN00000	-46.10	-65.96	15.08	1.83	1.60	43.99	52.50	20.13	6.88	4.65	29.46	-49.00	-45.00	
AUS00001	106.00	131.02	-24.38	6.31	5.06	44.44	65.94	22.26	6.88	4.65	44.89	103.00	108.00	
AUS00002	106.00	163.10	-30.26	1.60	1.60	90.00	52.50	20.09	6.88	4.65	42.85	103.00	108.00	
AUS00003	106.00	101.34	-11.54	1.96	1.60	9.84	52.50	19.71	6.88	4.65	37.72	103.00	108.00	
AUS00004	106.00	158.97	-54.47	1.60	1.60	90.00	52.50	18.73	6.88	4.65	46.98	103.00	108.00	
AUS00005	106.00	110.42	-66.27	1.60	1.60	90.00	52.50	18.64	6.88	4.65	45.96	103.00	108.00	
AUT00000	-12.20	13.11	47.83	1.60	1.60	90.00	52.50	19.24	6.88	4.65	28.15	-14.00	-11.00	
AZR00000	-65.10	-28.37	38.74	1.60	1.60	90.00	52.50	19.04	6.88	4.65	41.89	-67.00	-62.00	
B 00001	-50.80	-62.11	-5.97	4.37	4.29	95.98	59.84	21.00	6.88	4.65	31.78	-54.00	-50.00	
B 00002	-18.10	-43.70	-6.36	4.77	3.92	131.73	60.79	21.36	6.88	4.65	39.83	-21.00	-14.00	
B 00003	-69.00	-50.03	-20.88	4.44	3.12	60.01	58.85	21.36	6.88	4.65	33.09	-71.00	-67.00	
DAHO1FRB	-88.00	-75.80	24.06	1.89	1.60	133.26	52.50	20.21	6.88	4.65	28.07	-90.00	-86.00	
DI0100000	59.40	29.97	-3.22	1.60	1.60	90.00	52.50	18.43	6.88	4.65	32.11	57.00	62.00	
BEL00000	-15.80	4.72	50.80	1.60	1.60	90.00	52.50	18.66	6.88	4.65	28.86	-21.00	-14.00	
BEN00000	-33.70	2.33	9.29	1.60	1.60	90.00	52.50	20.13	6.88	4.65	33.25	-37.00	-31.00	
BERCAYMS	-29.80	-68.30	22.55	3.72	2.13	46.49	56.68	21.79	6.88	4.65	34.56	-31.00	-28.00	
IBFA00000	-3.70	-1.40	12.19	1.96	1.60	23.91	52.50	20.01	6.88	4.65	30.76	-6.00	-2.00	
BCD000000	104.70	90.24	24.01	1.60	1.60	90.00	52.50	19.33	6.88	4.65	29.68	103.00	108.00	
IBHP00000	110.20	50.60	26.07	1.60	1.60	90.00	52.50	18.64	6.88	4.65	28.15	108.00	112.00	
BLZ00000	-107.30	-88.62	17.24	1.60	1.60	90.00	52.50	18.46	6.88	4.65	34.70	-108.00	-102.00	
BOL00000	-76.00	-64.80	-17.12	2.73	2.33	132.30	55.18	20.89	6.88	4.65	32.30	-77.00	-71.00	
ROT00000	58.80	24.16	-21.74	1.86	1.60	121.01	52.50	19.98	6.88	4.65	31.23	57.00	62.00	
IBR01FRB	-69.80	-59.60	13.17	1.60	1.60	90.00	52.50	18.16	6.88	4.65	29.11	-71.00	-67.00	
BRMO1FRB	85.60	96.85	18.83	3.43	1.80	101.15	55.10	20.91	6.88	4.65	31.98	83.00	88.00	
IBRU01FRB	154.30	114.60	4.50	1.60	1.60	90.00	52.50	18.99	6.88	4.65	37.08	151.00	157.00	
BUL00000	9.90	25.23	42.92	1.60	1.60	90.00	52.50	19.02	6.88	4.65	29.53	8.00	15.00	
CAFO1FRB	33.10	21.85	6.38	2.43	1.83	27.56	54.53	21.02	6.88	4.65	36.00	48.00	54.00	
CANOEAST	-74.40	-72.22	50.24	4.73	2.70	174.22	55.63	21.12	6.88	4.65	34.59	-77.00	-71.00	
CANOCENT	-106.60	-95.63	51.34	4.41	2.37	157.56	54.94	21.29	6.88	4.65	35.36	-108.00	-102.00	
CANOWEST	-116.00	-120.18	57.41	3.28	2.03	171.68	52.50	20.99	6.88	4.65	31.86	-119.00	-114.00	
CAR00000	-167.60	-191.88	4.61	9.86	2.77	177.12	66.07	22.74	6.88	4.65	54.04	-169.00	-166.00	
CB001FRB	121.50	105.22	12.81	1.60	1.60	90.00	52.50	19.70	6.88	4.65	28.28	119.00	123.00	
ICHL00000	-62.70	-80.05	-32.61	8.80	5.53	144.30	61.30	21.48	6.88	4.65	34.71	-67.00	-62.00	
ICHN00001	101.10	103.73	34.98	8.30	4.51	2.45	62.12	21.52	6.88	4.65	34.21	99.00	103.00	
ICHN00002	110.70	114.09	15.78	4.89	2.95	71.33	58.60	20.94	6.88	4.65	34.33	108.00	112.00	
CLM00000	-41.80	-73.55	5.51	3.82	2.15	107.24	57.69	21.33	6.88	4.65	31.62	-45.00	-40.00	
CLN00000	105.40	80.08	7.67	1.60	1.60	90.00	52.50	18.40	6.88	4.65	32.72	103.00	108.00	
ICME00001	-9.20	13.12	5.70	2.76	1.60	88.61	53.72	20.91	6.88	4.65	32.45	-11.00	-6.00	

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1	14
CNR000000	-56.001	-16.151	28.361	1.601	1.601	90.001	52.501	18.651	6.881	4.651	29.741	-59.001	-54.001		
COGOIFRB	5.301	14.871	-0.471	2.341	1.601	55.821	52.501	20.441	6.881	4.651	28.561	3.001	7.001		
COMOIFRB	68.101	44.101	-12.171	1.601	1.601	90.001	52.501	18.311	6.881	4.651	33.501	66.001	71.001		
CPVOIFRB	-67.001	-24.101	16.001	1.601	1.601	90.001	52.501	18.251	6.881	4.651	34.511	-67.001	-62.001		
CT100000	-10.201	-5.851	7.791	1.601	1.601	90.001	52.501	19.881	6.881	4.651	33.141	-11.001	-6.001		
CTR000000	-111.901	-85.561	8.181	1.601	1.601	90.001	52.501	19.761	6.881	4.651	34.361	-113.001	-109.001		
CUB000000	-56.601	-79.361	21.111	1.691	1.601	172.901	52.501	20.551	6.881	4.651	31.631	-59.001	-54.001		
CVAO000000	50.501	12.501	41.801	1.601	1.601	90.001	52.501	18.601	6.881	4.651	28.201	48.001	54.001		
CYPO000000	-14.701	33.201	35.101	1.601	1.601	90.001	52.501	18.681	6.881	4.651	33.531	-21.001	-14.001		
CYPSBA00	52.501	32.951	34.581	1.601	1.601	90.001	52.501	18.241	6.881	4.651	29.201	48.001	54.001		
D 000000	22.401	9.761	50.641	1.601	1.601	90.001	52.501	19.381	6.881	4.651	28.141	22.001	25.001		
DDRO000000	28.501	12.861	51.671	1.601	1.601	90.001	52.501	19.031	6.881	4.651	29.801	28.001	31.001		
DJ10IFRB	111.301	42.601	11.671	1.601	1.601	90.001	52.501	18.891	6.881	4.651	34.291	108.001	112.001		
DMAOIFRB	-92.901	-61.301	15.331	1.601	1.601	90.001	52.501	18.481	6.881	4.651	29.441	-94.001	-90.001		
DNK000001	49.001	12.221	56.101	1.601	1.601	90.001	52.501	19.371	6.881	4.651	27.501	48.001	54.001		
DNK000002	-34.801	10.941	55.731	1.601	1.601	90.001	52.501	19.301	6.881	4.651	29.531	-37.001	-31.001		
DNKOOFAR	-34.801	-7.181	61.741	1.601	1.601	90.001	52.501	18.781	6.881	4.651	32.501	-37.001	-31.001		
DOMOIFRB	-71.001	-70.401	18.671	1.601	1.601	90.001	52.501	18.181	6.881	4.651	28.501	-77.001	-71.001		
E 000021	-56.001	-4.521	40.381	1.721	1.601	140.541	52.501	20.701	6.881	4.651	33.231	-59.001	-54.001		
EGY000000	36.501	29.841	26.201	2.511	2.261	2.901	52.501	20.251	6.881	4.651	31.661	35.001	39.001		
EGA000000	-116.301	-83.261	-1.331	2.861	1.611	170.481	54.511	20.961	6.881	4.651	31.401	-119.001	-114.001		
ETH000000	6.001	39.841	10.451	2.761	2.141	113.121	52.501	20.881	6.881	4.651	33.241	3.001	7.001		
F 000000	-7.801	2.961	45.941	2.371	1.601	164.491	52.501	20.611	6.881	4.651	27.951	-11.001	-6.001		
FFJ10IFRB	160.201	178.501	-17.171	1.601	1.601	90.001	52.501	18.271	6.881	4.651	42.191	157.001	161.001		
FLKSTGGL	-29.801	-45.851	-59.641	4.031	1.601	166.841	52.501	21.081	6.881	4.651	40.091	-31.001	-28.001		
FMU000000	11.801	25.861	64.791	1.601	1.601	90.001	52.501	19.891	6.881	4.651	27.661	8.001	15.001		
IG 000000	-29.801	-3.841	53.961	1.771	1.601	153.141	52.501	20.461	6.881	4.651	29.571	-31.001	-28.001		
IGABOIFRB	-16.301	11.581	-0.751	1.601	1.601	90.001	52.501	20.171	6.881	4.651	34.161	-21.001	-14.001		
IGBL000000	-7.801	-61.621	16.411	1.601	1.601	90.001	52.501	19.571	6.881	4.651	40.791	-11.001	-6.001		
IGDL000002	-105.901	-61.811	16.511	1.601	1.601	90.001	52.501	19.391	6.881	4.651	29.831	-108.001	-102.001		
IGHA000000	1.701	-1.321	7.761	1.671	1.601	94.161	52.501	20.061	6.881	4.651	31.911	-2.001	3.001		
IGIB000001	52.501	-5.351	36.151	1.601	1.601	90.001	52.501	18.951	6.881	4.651	35.761	48.001	54.001		
IGMB000000	-76.501	-16.401	13.401	1.601	1.601	90.001	52.501	18.851	6.881	4.651	33.581	-77.001	-71.001		
IGNBOIFRB	-63.501	-15.401	12.001	1.601	1.601	90.001	52.501	18.491	6.881	4.651	30.871	-67.001	-62.001		
IGNEOIFRB	-26.801	10.501	1.671	1.601	1.601	90.001	52.501	18.911	6.881	4.651	32.611	-27.001	-21.001		
IGRC000000	16.001	24.721	38.271	1.891	1.601	159.101	52.501	20.251	6.881	4.651	30.041	15.001	22.001		
IGRDOIFRB	-111.101	-61.601	12.001	1.601	1.601	90.001	52.501	18.971	6.881	4.651	30.981	-113.001	-109.001		
IGRL000000	-34.801	-39.401	67.611	2.321	1.601	2.321	52.501	20.911	6.881	4.651	36.681	-37.001	-31.001		
IGTM000000	-117.201	-90.421	15.591	1.601	1.601	90.001	52.501	19.041	6.881	4.651	30.511	-119.001	-114.001		
IGUF000001	-7.801	-52.981	4.751	1.601	1.601	90.001	52.501	19.681	6.881	4.651	36.671	-11.001	-6.001		
IGUF000002	-105.901	-53.041	4.401	1.601	1.601	90.001	52.661	19.931	6.881	4.651	39.041	-108.001	-102.001		
IGUIOIFRB	-25.901	-11.001	10.241	1.811	1.601	151.551	52.501	20.231	6.881	4.651	34.201	-27.001	-21.001		
IGUMMRA00	-167.601	-214.091	16.651	1.891	1.601	79.001	52.501	20.931	6.881	4.651	52.181	-169.001	-166.001		
IGUY000000	-57.201	-59.081	4.741	1.651	1.601	101.651	52.501	20.111	6.881	4.651	31.011	-59.001	-54.001		
IHKG000000	52.501	114.501	22.421	1.601	1.601	90.001	52.501	19.571	6.881	4.651	42.021	48.001	54.001		
IHND000000	-75.401	-86.111	15.451	1.601	1.601	90.001	52.501	20.021	6.881	4.651	33.341	-77.001	-71.001		
IHNG000000	54.001	19.311	47.121	1.601	1.601	90.001	52.501	19.361	6.881	4.651	27.841	54.001	57.001		
IHOL000000	-46.101	5.651	52.431	1.601	1.601	90.001	52.501	18.991	6.881	4.651	33.231	-49.001	-45.001		
IHTIOIFRB	-103.901	-73.001	18.831	1.601	1.601	90.001	52.501	18.501	6.881	4.651	29.531	-108.001	-102.001		
IHWIA000000	-167.601	-157.621	20.741	1.601	1.601	90.001	52.501	19.811	6.881	4.651	68.161	-169.001	-166.001		
IHWL000000	-167.601	-176.581	0.081	1.601	1.601	90.001	52.501	18.091	6.881	4.651	60.901	-169.001	-166.001		
I 000001	45.001	13.081	40.811	1.931	1.601	53.791	52.501	20.461	6.881	4.651	29.121	45.001	48.001		

ORB(2)/259-F/E/S

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ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

1	2	3	4	5	6	7	8	9	10	11	12	SLT.	1	14
IIND000001	68.701	82.381	18.971	6.481	4.891	118.201	62.611	21.381	6.881	4.651	36.651	66.001	71.001	
IINS000001	126.001	118.921	-1.821	9.401	4.541	169.651	64.501	21.461	6.881	4.651	39.011	123.001	126.001	
IIRL000001	-24.701	-9.161	53.261	1.601	1.601	90.001	52.501	19.041	6.881	4.651	29.451	-27.001	-21.001	
IIRN000001	20.801	54.111	32.971	3.841	1.661	142.431	52.501	20.771	6.881	4.651	36.431	15.001	22.001	
IRG000001	10.601	44.001	33.051	2.051	1.601	145.441	52.501	20.241	6.881	4.651	32.131	8.001	15.001	
IISL000001	-42.501	-18.281	64.911	1.601	1.601	90.001	52.501	19.521	6.881	4.651	31.821	-45.001	-40.001	
IISR000001	0.601	34.661	30.701	1.601	1.601	90.001	52.501	19.101	6.881	4.651	29.341	-2.001	3.001	
IJ_000001	148.301	140.961	30.531	6.151	3.791	15.981	59.901	21.271	6.881	4.651	35.801	146.001	151.001	
IJAR000001	-167.601	-160.001	-0.381	1.601	1.601	90.001	52.501	18.081	6.881	4.651	60.821	-169.001	-166.001	
IJNC000001	-119.001	-77.591	18.181	1.601	1.601	90.001	52.501	18.781	6.881	4.651	31.931	-119.001	-114.001	
IJDON000001	-167.601	-168.501	17.001	1.601	1.601	90.001	52.501	17.781	6.881	4.651	70.861	-169.001	-166.001	
IJDR000001	81.501	36.661	31.321	1.601	1.601	90.001	52.501	19.081	6.881	4.651	32.161	78.001	B3.001	
IKEN000001	64.201	38.291	0.851	2.341	1.811	98.091	52.501	20.081	6.881	4.651	31.611	62.001	66.001	
IKERO000001	114.001	69.391	-43.931	2.001	1.731	163.521	52.501	20.861	6.881	4.651	47.711	112.001	115.001	
IKIROIFRB1	153.801	173.001	1.001	1.601	1.601	90.001	52.501	18.181	6.881	4.651	34.151	151.001	157.001	
IKOR000001	160.901	128.871	35.331	1.601	1.601	90.001	52.501	19.841	6.881	4.651	33.421	157.001	161.001	
IKRE000001	154.801	127.611	40.071	1.601	1.601	90.001	52.501	20.391	6.881	4.651	29.741	151.001	157.001	
IKWT000001	106.701	48.071	29.301	1.601	1.601	90.001	52.501	18.781	6.881	4.651	29.011	103.001	108.001	
ILADOIFRB1	143.401	104.191	18.151	1.731	1.601	98.781	52.501	20.571	6.881	4.651	36.051	141.001	146.001	
ILDH000001	-24.101	35.801	33.831	1.601	1.601	90.001	52.501	18.781	6.881	4.651	34.011	-27.001	-21.001	
ILDR000001	-41.401	-8.941	6.501	1.601	1.601	90.001	52.501	19.561	6.881	4.651	31.931	-45.001	-40.001	
ILBY000001	25.801	19.091	25.961	3.291	2.771	162.171	54.191	20.641	6.881	4.651	33.151	25.001	28.001	
ILEF000001	13.301	9.501	47.201	1.601	1.601	90.001	52.501	18.321	6.881	4.651	27.511	8.001	15.001	
ILSO01IFRB1	90.501	28.401	-29.501	1.601	1.601	90.001	52.501	18.801	6.881	4.651	34.771	88.001	94.001	
ILUX000001	-38.901	6.191	49.811	1.601	1.601	90.001	52.501	18.681	6.881	4.651	29.781	-40.001	-37.001	
IMAC000001	155.401	113.571	22.171	1.601	1.601	90.001	52.501	18.821	6.881	4.651	35.181	151.001	157.001	
IMAU01IFRB1	91.101	57.501	-20.171	1.601	1.601	90.001	52.501	18.581	6.881	4.651	35.031	88.001	94.001	
IMCD000001	19.001	7.401	43.671	1.601	1.601	90.001	52.501	18.461	6.881	4.651	27.671	15.001	22.001	
IMDG01IFRB1	60.101	46.601	-18.291	2.911	1.601	95.911	53.531	20.541	6.881	4.651	37.551	57.001	62.001	
IMDR000001	-65.101	-16.531	32.131	1.601	1.601	90.001	52.501	19.131	6.881	4.651	36.171	-67.001	-62.001	
IMDW000001	-167.601	-177.421	28.221	1.601	1.601	90.001	52.501	17.941	6.881	4.651	66.971	-169.001	-166.001	
IMEX000001	-68.501	-101.281	23.081	4.201	2.751	164.951	57.521	21.521	6.881	4.651	34.101	-71.001	-67.001	
IMLA000001	91.701	107.461	3.981	3.801	1.601	2.881	55.101	20.911	6.881	4.651	32.781	88.001	94.001	
IMLD01IFRB1	92.201	73.131	2.481	2.501	1.601	89.051	52.501	20.331	6.881	4.651	31.781	88.001	94.001	
IMLIO1IFRB1	-47.401	-4.821	17.691	2.681	2.171	107.351	53.831	21.041	6.881	4.651	27.211	-49.001	-45.001	
IMLT000001	-17.101	14.641	36.131	1.601	1.601	90.001	52.501	18.431	6.881	4.651	28.821	-21.001	-14.001	
IMNG000001	142.701	105.701	47.001	3.191	1.601	14.951	52.501	20.711	6.881	4.651	28.151	141.001	146.001	
IMOZO1IFRB1	49.501	34.641	-17.221	3.601	2.001	71.111	53.831	20.631	6.881	4.651	35.151	48.001	54.001	
IMRMC000001	-42.901	-9.221	29.181	3.151	1.601	63.251	52.501	20.441	6.881	4.651	30.051	-45.001	-40.001	
IMRL000001	-167.601	-184.701	8.741	2.541	1.771	96.641	53.461	20.691	6.881	4.651	57.641	-169.001	-166.001	
IMTN01IFRB1	-52.801	-10.831	19.691	2.711	1.741	108.841	52.501	20.611	6.881	4.651	28.211	-54.001	-50.001	
IMWIO1IFRB1	85.101	34.821	-13.221	1.711	1.601	108.821	52.501	20.281	6.881	4.651	33.961	83.001	88.001	
IMYT000001	-7.801	-45.201	-12.831	1.601	1.601	90.001	52.501	18.601	6.881	4.651	37.401	-11.001	-6.001	
INCIGO1IFRB1	-86.601	-84.881	12.971	1.601	1.601	90.001	52.501	19.431	6.881	4.651	26.581	-90.001	-86.001	
INCL000001	114.001	165.781	-21.411	1.601	1.601	90.001	52.501	19.391	6.881	4.651	39.011	112.001	115.001	
INGRO1IFRB1	14.101	8.301	17.211	3.331	2.251	22.501	52.501	20.221	6.881	4.651	33.151	8.001	15.001	
INGI000001	21.501	7.561	9.731	2.921	1.971	29.871	54.571	20.771	6.881	4.651	34.491	15.001	22.001	
INMDO1IFRB1	71.001	19.671	-21.041	2.921	1.601	116.981	52.501	20.741	6.881	4.651	31.921	66.001	71.001	
INOR000001	17.001	12.831	63.141	2.581	1.601	14.181	52.501	21.041	6.881	4.651	27.811	15.001	22.001	
INPLO1IFRB1	119.901	84.341	28.041	1.601	1.601	90.001	52.501	19.251	6.881	4.651	38.851	119.001	123.001	
INRUO1IFRB1	147.601	166.701	-0.501	1.601	1.601	90.001	52.501	18.191	6.881	4.651	33.421	146.001	151.001	
INZL000001	193.101	171.241	-44.391	5.571	1.601	49.321	54.651	21.691	6.881	4.651	39.011	151.001	157.001	

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1	14
INVL000021	153.101	194.591	-13.231	2.861	2.191	82.631	55.041	21.431	6.881	4.651	36.531	151.001	157.001		
IUCE000001	-105.901	-141.561	-16.041	3.581	2.301	131.741	55.001	20.881	6.881	4.651	45.281	-108.001	-102.001		
IMMA000001	80.701	56.141	21.631	2.361	1.601	52.651	52.501	20.071	6.881	4.651	30.191	78.001	83.001		
IPAK000001	42.501	69.601	29.781	2.681	2.251	20.991	52.931	20.801	6.881	4.651	33.751	39.001	45.001		
IPHLOIFRB1	86.201	121.191	11.361	3.461	1.601	101.411	56.101	21.521	6.881	4.651	32.071	83.001	88.001		
IPLM000001	-167.601	-161.421	7.001	1.601	1.601	90.001	52.501	18.091	6.881	4.651	67.811	-169.001	-166.001		
IPNG000001	142.101	148.141	-6.671	3.461	2.491	168.581	56.331	20.821	6.881	4.651	36.781	141.001	146.001		
IPNROIFRB1	-102.601	-80.251	8.551	1.601	1.601	90.001	52.501	19.551	6.881	4.651	31.671	-108.001	-102.001		
IPOL000001	33.301	19.271	52.031	1.601	1.601	90.001	52.501	19.631	6.881	4.651	28.201	31.001	35.001		
IPOR000001	-65.101	-8.311	39.491	1.601	1.601	90.001	52.501	19.661	6.881	4.651	36.581	-67.001	-62.001		
IPRG000001	-83.501	-58.731	-23.101	1.701	1.601	111.271	52.501	20.691	6.881	4.651	33.771	-86.001	-82.001		
IPRU000001	-94.001	-74.311	-8.401	3.741	2.461	107.541	56.861	21.121	6.881	4.651	41.761	-94.001	-90.001		
IPTC000001	-60.201	-130.101	-25.071	1.601	1.601	90.001	52.501	18.821	6.881	4.651	27.531	-62.001	-59.001		
IGAT000001	116.901	50.971	25.451	1.601	1.601	90.001	52.501	18.791	6.881	4.651	34.641	115.001	119.001		
IREU000001	-7.801	55.571	-21.121	1.601	1.601	90.001	52.501	19.731	6.881	4.651	34.131	-11.001	-6.001		
IREU000002	114.001	55.581	-21.121	1.601	1.601	90.001	52.501	19.461	6.881	4.651	45.941	112.001	115.001		
IRDU000001	0.001	24.611	45.591	1.601	1.601	90.001	52.501	20.151	6.881	4.651	28.501	-2.001	3.001		
IRRWOIFRB1	70.201	30.001	-2.001	1.601	1.601	90.001	52.501	18.261	6.881	4.651	33.201	66.001	71.001		
IS_000001	41.801	18.251	60.521	2.061	1.601	28.681	52.501	20.851	6.881	4.651	27.481	39.001	45.001		
ISCN0IFRB1	-72.501	-62.901	17.331	1.601	1.601	90.001	52.501	18.191	6.881	4.651	26.751	-77.001	-71.001		
ISDN000001	-3.101	29.241	10.231	3.071	2.051	128.921	53.071	20.751	6.881	4.651	34.871	-6.001	-2.001		
ISDN000021	-3.101	29.231	16.561	2.711	2.551	117.431	52.501	20.401	6.881	4.651	31.271	-6.001	-2.001		
ISEN000000	-58.001	-13.881	14.161	1.601	1.601	90.001	52.501	19.761	6.881	4.651	30.841	-59.001	-54.001		
ISEYOIFRB1	100.701	55.401	-4.501	1.601	1.601	90.001	52.501	18.791	6.881	4.651	28.661	99.001	103.001		
ISLMOIFRB1	152.501	158.991	-9.091	1.761	1.601	147.311	52.501	20.211	6.881	4.651	32.831	151.001	157.001		
ISLVOIFRB1	-55.001	-89.001	13.671	1.601	1.601	90.001	52.501	18.881	6.881	4.651	33.871	-59.001	-54.001		
ISMA000000	-167.601	-170.701	-14.221	1.601	1.601	90.001	52.501	17.761	6.881	4.651	52.031	-169.001	-166.001		
ISMRO00001	-19.101	12.461	43.931	1.601	1.601	90.001	52.501	18.531	6.881	4.651	26.981	-21.001	-14.001		
ISNG000001	141.601	103.851	1.281	1.601	1.601	90.001	52.501	18.931	6.881	4.651	33.351	141.001	146.001		
ISUMOIFRB1	93.001	45.951	7.041	3.581	1.601	70.581	52.501	20.831	6.881	4.651	31.041	88.001	94.001		
ISPM000000	-7.801	-56.401	46.961	1.601	1.601	90.001	52.501	18.871	6.881	4.651	46.681	-11.001	-6.001		
ISRLOIFRB1	-35.401	-11.901	8.501	1.601	1.601	90.001	52.501	18.281	6.881	4.651	31.671	-37.001	-31.001		
ISTPOIFRB1	-43.401	7.001	1.001	1.601	1.601	90.001	52.501	18.951	6.881	4.651	34.971	-45.001	-40.001		
ISUI000000	-23.501	8.301	46.751	1.601	1.601	90.001	52.501	18.731	6.881	4.651	29.041	-27.001	-21.001		
ISUROIFRB1	-77.001	-55.631	3.931	1.601	1.601	90.001	52.501	19.281	6.881	4.651	35.821	-77.001	-71.001		
ISWZ000001	-19.601	31.291	-26.351	1.601	1.601	90.001	52.501	18.681	6.881	4.651	35.151	-21.001	-14.001		
ISYR000000	43.101	36.671	35.601	2.051	1.601	8.491	52.501	20.131	6.881	4.651	31.491	39.001	45.001		
ITCDOIFRB1	32.101	18.841	15.611	3.621	2.091	77.211	53.891	20.491	6.881	4.651	31.511	31.001	35.001		
ITCH000000	38.001	17.761	49.181	1.601	1.601	90.001	52.501	19.661	6.881	4.651	27.611	35.001	39.001		
ITG000000	-20.001	0.831	8.581	1.601	1.601	90.001	52.501	19.531	6.881	4.651	34.121	-21.001	-14.001		
ITHA000000	115.501	100.891	12.841	2.971	1.931	86.331	54.821	20.841	6.881	4.651	30.951	115.001	119.001		
TONOIFRB1	141.001	184.831	-21.171	1.601	1.601	90.001	52.501	18.861	6.881	4.651	39.111	141.001	146.001		
TRD000000	-23.101	-60.941	10.771	1.601	1.601	90.001	52.501	18.641	6.881	4.651	33.811	-27.001	-21.001		
TUN000000	-32.601	8.721	33.301	1.601	1.601	90.001	52.501	20.301	6.881	4.651	33.241	-37.001	-31.001		
TUR000000	65.701	36.701	35.531	2.781	1.981	41.571	53.011	21.371	6.881	4.651	27.061	62.001	66.001		
UV000000	146.801	179.161	-8.501	1.601	1.601	90.001	52.501	18.451	6.881	4.651	36.191	146.001	151.001		
ITZA0IFRB1	-20.601	34.281	-5.681	2.291	1.601	93.661	52.501	20.601	6.881	4.651	36.291	-21.001	-14.001		
UAE000001	48.301	53.721	24.571	1.601	1.601	90.001	52.501	18.891	6.881	4.651	36.351	48.001	54.001		
UGAOIFRB1	80.101	32.231	1.381	1.601	1.601	90.001	52.501	19.591	6.881	4.651	33.551	78.001	83.001		
URG000000	-102.001	-56.741	-33.491	1.601	1.601	90.001	52.501	19.641	6.881	4.651	41.421	-108.001	-102.001		
URS000001	62.001	57.821	48.271	7.471	3.481	178.291	58.891	21.361	6.881	4.651	30.471	57.001	62.001		
URS000002	93.801	96.971	46.191	9.501	3.291	176.101	60.281	21.761	6.881	4.651	34.331	88.001	94.001		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

														SLT.	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
IURS000031	138.001	134.281	52.641	7.241	2.641	5.391	57.801	21.631	6.881	4.651	33.051	138.001	141.001		
IUSAIRPT1	-84.501	-83.741	31.741	10.101	4.621	169.011	63.121	21.681	6.881	4.651	34.181	-86.001	-82.001		
IVCT01FRB1	-89.201	-61.101	13.171	1.601	1.601	90.001	52.501	18.391	6.881	4.651	27.991	-90.001	-86.001		
IVEN000011	-35.901	-65.681	6.741	2.581	2.131	122.361	55.051	21.101	6.881	4.651	31.301	-37.001	-31.001		
IVEN000021	-35.901	-63.621	15.671	1.601	1.601	90.001	52.501	18.401	6.881	4.651	32.291	-37.001	-31.001		
IVTN000011	79.601	107.911	14.311	3.781	2.381	130.311	57.471	21.181	6.881	4.651	33.751	78.001	83.001		
IVUT01FRB1	148.801	168.411	-17.171	1.601	1.601	90.001	52.501	19.711	6.881	4.651	33.281	146.001	151.001		
IWAK000001	-167.601	-193.501	19.201	1.601	1.601	90.001	52.501	17.971	6.881	4.651	61.651	-169.001	-166.001		
IWAL000001	114.001	182.851	-13.801	1.601	1.601	90.001	52.741	20.141	6.881	4.651	43.681	112.001	115.001		
IYEM01FRB1	104.101	44.471	15.021	1.601	1.601	90.001	52.501	19.401	6.881	4.651	34.041	103.001	108.001		
IYMS000001	86.901	50.061	14.391	2.081	1.601	24.781	52.501	20.281	6.881	4.651	32.921	83.001	88.001		
IYUG000001	-4.501	17.711	43.781	1.701	1.601	152.581	52.501	20.291	6.881	4.651	27.871	-6.001	-2.001		
IZAIO1FRB1	41.201	24.091	-4.591	4.111	4.071	25.201	59.631	21.131	6.881	4.651	38.071	39.001	45.001		
IZMBO1FRB1	-6.901	27.431	-12.971	2.441	1.601	40.331	52.501	20.211	6.881	4.651	30.761	-11.001	-6.001		
IWE000001	79.301	30.981	-17.471	1.601	1.601	90.001	52.501	18.461	6.881	4.651	30.831	78.001	83.001		

ANNEXE 4 - ANNEX 4 - ANEXO 4

<u>Colonne</u>	<u>Description</u>
1.	Désignation du faisceau
2.	Position orbitale (degrés avec décimales)
3.	Longitude du point de visée de l'ellipse (degrés avec décimales)
4.	Latitude du point de visée de l'ellipse (degrés avec décimales)
5.	Grand axe de l'ellipse (degrés)
6.	Petit axe de l'ellipse (degrés)
7.	Orientation du grand axe (degrés dans le sens inverse des aiguilles d'une montre à partir de l'Equateur)
8.	P.i.r.e. sur la liaison montante (dB(W/MHz))
9.	P.i.r.e. sur la liaison descendante (dB(W/MHz))
10.	Fréquence de la liaison montante (GHz)
11.	Fréquence de la liaison descendante (GHz)
12.	C/I composite le plus défavorable
13.	Limite occidentale de l'arc de service
14.	Limite orientale de l'arc de service
<u>Column</u>	<u>Description</u>
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 predetermined arc
14.	Eastern limit of predetermined arc
<u>Columna</u>	<u>Descripción</u>
1.	Nombre del haz
2.	Posición orbital (grados decimales)
3.	Longitud del eje de puntería de la elipse (grados decimales)
4.	Latitud del eje de puntería de la elipse (grados decimales)
5.	Eje mayor de la elipse (grados)
6.	Eje menor de la elipse (grados)
7.	Orientación del eje mayor (grados desde el Ecuador en sentido inverso a las agujas de un reloj)
8.	p.i.r.e. del enlace ascendente (dBW/MHz)
9.	p.i.r.e. del enlace descendente (dBW/MHz)
10.	Frecuencia del enlace ascendente (GHz)
11.	Frecuencia del enlace descendente (GHz)
12.	C/I global de caso más desfavorable
13.	Límite occidental del arco predeterminado
14.	Límite oriental del arco predeterminado

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

SLT. 1
14

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
+	-	+	+	+	+	+	+	+	+	+	+	+	+	+
I	ALSO00001	-167.601	-160.361	57.551	6.391	1.711	178.761	63.151	31.281	13.001	11.201	46.951	-169.001	-166.001
I	CAR000001	-167.601	-191.881	4.611	9.861	2.771	177.121	73.371	38.111	13.001	11.201	52.211	-169.001	-166.001
I	GUMIRA0001	-167.601	-214.091	16.651	1.891	1.171	79.001	61.511	37.171	13.001	11.201	51.451	-169.001	-166.001
I	HWA000001	-167.601	-157.621	20.741	1.441	1.201	155.531	59.591	36.321	13.001	11.201	68.061	-169.001	-166.001
I	JNL000001	-167.601	-176.581	0.081	0.801	0.801	90.001	53.351	32.431	13.001	11.201	60.901	-169.001	-166.001
I	JAR000001	-167.601	-160.001	-0.381	0.801	0.801	90.001	53.341	32.421	13.001	11.201	59.631	-169.001	-166.001
I	JON000001	-167.601	-168.501	17.001	0.801	0.801	90.001	50.701	27.521	13.001	11.201	65.041	-169.001	-166.001
I	MDW000001	-167.601	-177.421	28.221	0.801	0.801	90.001	50.701	27.751	13.001	11.201	61.271	-169.001	-166.001
I	MRL000001	-167.601	-184.701	8.741	2.541	1.771	96.641	64.351	36.921	13.001	11.201	61.981	-169.001	-166.001
I	PLM000001	-167.601	-161.421	7.001	0.801	0.801	90.001	53.361	32.431	13.001	11.201	66.011	-169.001	-166.001
I	SMIA000001	-167.601	-170.701	-14.221	0.801	0.801	90.001	50.701	27.491	13.001	11.201	44.751	-169.001	-166.001
I	WAK000001	-167.601	-193.501	19.201	0.801	0.801	90.001	50.701	27.801	13.001	11.201	57.081	-169.001	-166.001
I	WMC000001	-119.001	-77.591	18.181	0.801	0.801	90.001	54.161	35.201	13.001	11.201	42.001	-119.001	-114.001
I	GHIO000001	-117.201	-90.421	15.591	0.931	1.201	178.831	57.481	34.851	13.001	11.201	35.131	-119.001	-114.001
I	IEQA000001	-116.301	-83.261	-1.331	2.861	1.611	170.481	64.561	37.031	13.001	11.201	36.161	-119.001	-114.001
I	CANOWEST1	-116.001	-120.181	57.411	3.281	2.031	171.681	60.691	31.041	13.001	11.201	27.241	-119.001	-114.001
I	ABW000001	-115.401	-69.061	12.411	0.801	0.801	90.001	54.541	35.581	13.001	11.201	33.761	-119.001	-114.001
I	CTR000001	-111.901	-85.561	8.181	1.371	1.181	75.291	59.361	36.381	13.001	11.201	36.101	-113.001	-109.001
I	GRDOIFRB1	-111.101	-61.601	12.001	0.801	0.801	90.001	54.211	35.251	13.001	11.201	34.001	-113.001	-109.001
I	BLZ000001	-107.301	-88.621	17.241	0.801	0.801	90.001	54.431	33.751	13.001	11.201	34.951	-108.001	-102.001
I	CANOCENT1	-106.601	-95.631	51.341	4.411	2.371	157.561	65.081	32.861	13.001	11.201	35.651	-108.001	-102.001
I	GDL0000021	-105.901	-61.811	16.511	0.801	0.801	90.001	56.331	37.371	13.001	11.201	31.981	-108.001	-102.001
I	GUFO000002	-105.901	-53.041	4.401	0.801	0.801	90.001	55.521	36.561	13.001	11.201	39.271	-108.001	-102.001
I	UCE000001	-105.901	-141.561	-16.041	3.581	2.301	131.741	67.381	36.291	13.001	11.201	48.501	-108.001	-102.001
I	IHTIOIFRB1	-103.901	-73.001	18.831	0.801	0.801	90.001	53.911	33.971	13.001	11.201	37.641	-108.001	-102.001
I	PNR01FRB1	-102.601	-80.251	8.551	1.301	1.201	155.401	59.061	36.231	13.001	11.201	38.091	-108.001	-102.001
I	URG0000001	-102.001	-56.741	-33.491	1.261	1.141	54.731	56.781	32.771	13.001	11.201	37.951	-108.001	-102.001
I	PRU0000001	-94.001	-74.311	-8.401	3.741	2.461	107.541	67.911	37.381	13.001	11.201	43.581	-94.001	-90.001
I	DMAOIFRB1	-92.901	-61.301	15.331	0.801	0.801	90.001	53.901	33.881	13.001	11.201	27.171	-94.001	-90.001
I	VCTOIFRB1	-89.201	-61.101	13.171	0.801	0.801	90.001	53.831	33.461	13.001	11.201	28.361	-90.001	-86.001
I	BHOIIFRB1	-88.001	-75.801	24.061	1.891	1.201	133.261	61.161	35.191	13.001	11.201	28.071	-90.001	-86.001
I	INC01IFRB1	-86.601	-84.881	12.971	1.191	1.091	2.711	58.541	36.511	13.001	11.201	28.111	-90.001	-86.001
I	UGAVIRPT1	-84.501	-83.741	31.741	10.101	4.621	169.011	75.771	36.921	13.001	11.201	38.381	-86.001	-82.001
I	PRG000001	-83.501	-58.731	-23.101	1.701	1.451	111.271	61.571	36.751	13.001	11.201	31.591	-86.001	-82.001
I	SUROIFRB1	-77.001	-55.631	3.931	1.121	1.111	37.371	58.131	36.281	13.001	11.201	39.591	-77.001	-71.001
I	GMB0000001	-76.501	-16.401	13.401	0.801	0.801	90.001	52.671	31.921	13.001	11.201	31.341	-77.001	-71.001
I	BOL0000001	-76.001	-64.801	-17.121	2.731	2.331	132.301	66.041	37.111	13.001	11.201	32.451	-77.001	-71.001
I	HND000001	-75.401	-86.111	15.451	1.541	1.201	26.101	59.951	36.391	13.001	11.201	33.121	-77.001	-71.001
I	CANOEAST1	-74.401	-72.221	50.241	4.731	2.701	174.221	65.731	32.661	13.001	11.201	30.891	-77.001	-71.001
I	SCNO1IFRB1	-72.501	-62.901	17.331	0.801	0.801	90.001	53.701	32.741	13.001	11.201	26.901	-77.001	-71.001
I	DOMOIFRB1	-71.001	-70.401	18.671	0.801	0.801	90.001	53.681	32.691	13.001	11.201	34.561	-77.001	-71.001
I	URDOIFRB1	-69.801	-59.601	13.171	0.801	0.801	90.001	53.581	32.611	13.001	11.201	32.551	-71.001	-67.001
I	B_00003	-69.001	-50.031	-20.881	4.441	3.121	60.011	69.931	37.621	13.001	11.201	33.571	-71.001	-67.001
I	MEX0000001	-68.501	-101.281	23.081	4.201	2.751	164.951	69.391	37.871	13.001	11.201	34.481	-71.001	-67.001
I	CPVO1FRB1	-67.001	-24.101	16.001	0.801	0.801	90.001	50.701	28.471	13.001	11.201	36.151	-67.001	-62.001
I	AZR0000001	-65.101	-28.371	38.741	0.801	0.801	90.001	51.421	31.621	13.001	11.201	41.801	-67.001	-62.001
I	MDR0000001	-65.101	-16.531	32.131	0.801	0.801	90.001	52.341	32.251	13.001	11.201	35.501	-67.001	-62.001
I	PDR0000001	-65.101	-8.311	39.491	0.801	0.801	90.001	56.161	35.231	13.001	11.201	34.211	-67.001	-62.001
I	ATO01IFRB1	-64.101	-61.801	17.001	0.801	0.801	90.001	53.581	32.611	13.001	11.201	32.051	-67.001	-62.001
I	GNDO1FRB1	-63.501	-15.401	12.001	0.801	0.801	90.001	50.751	30.481	13.001	11.201	26.291	-67.001	-62.001
I	CHL0000001	-62.701	-80.051	-32.611	8.801	5.531	144.301	70.001	31.641	13.001	11.201	32.981	-67.001	-62.001
I	PI1C0000001	-60.201	-130.101	-25.071	0.801	0.801	90.001	50.701	28.611	13.001	11.201	28.801	-62.001	-59.001

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1	14
ISENO000001	-58.001	-13.881	14.161	1.261	1.171	135.691	59.261	36.681	13.001	11.201	31.361	-59.001	-54.001		
QUY000001	-57.201	-59.081	4.741	1.651	1.201	101.651	60.241	36.381	13.001	11.201	27.621	-59.001	-54.001		
ICUB000001	-56.601	-79.361	21.111	1.691	1.121	172.901	61.151	35.951	13.001	11.201	35.591	-59.001	-54.001		
ICNP000001	-56.001	-16.151	28.361	0.801	0.801	90.001	50.701	29.851	13.001	11.201	26.211	-59.001	-54.001		
IE 000021	-56.001	-4.521	40.381	1.721	1.191	140.541	60.651	34.531	13.001	11.201	35.611	-59.001	-54.001		
ISLVOIFRB1	-55.001	-89.001	13.671	0.801	0.801	90.001	53.921	34.961	13.001	11.201	37.381	-59.001	-54.001		
IMTNOIFRB1	-52.801	-10.831	19.691	2.711	1.741	108.841	61.021	32.241	13.001	11.201	26.161	-54.001	-50.001		
IB 000011	-50.801	-62.111	-5.971	4.371	4.291	95.981	70.891	37.261	13.001	11.201	31.681	-54.001	-50.001		
IMLIOIFRB1	-47.401	-4.821	17.691	2.681	2.171	107.351	65.991	36.931	13.001	11.201	28.431	-49.001	-45.001		
IARG000001	-47.101	-61.761	-34.001	4.871	3.031	99.981	70.481	37.891	13.001	11.201	30.271	-49.001	-45.001		
IARGINSUL1	-47.101	-59.891	-57.211	3.871	1.451	153.941	60.131	31.281	13.001	11.201	28.141	-49.001	-45.001		
IA1N000001	-46.101	-65.961	15.081	1.831	1.201	43.991	60.951	34.931	13.001	11.201	27.741	-49.001	-45.001		
IHDL000001	-46.101	5.651	52.431	0.801	0.801	90.001	50.701	30.401	13.001	11.201	31.101	-49.001	-45.001		
ISIPOIFRB1	-43.401	7.001	1.001	0.801	0.801	90.001	54.191	35.231	13.001	11.201	38.121	-45.001	-40.001		
IMRC000001	-42.901	-9.221	29.181	3.151	1.381	63.251	60.651	32.171	13.001	11.201	29.121	-45.001	-40.001		
IISL000001	-42.501	-18.281	64.911	0.801	0.801	90.001	52.581	32.671	13.001	11.201	29.531	-45.001	-40.001		
ICLM000001	-41.801	-73.551	5.511	3.821	2.151	107.241	67.371	37.331	13.001	11.201	31.521	-45.001	-40.001		
ILBRO000001	-41.401	-8.941	6.501	0.941	1.071	37.681	57.531	36.601	13.001	11.201	31.211	-45.001	-40.001		
ILUX000001	-38.901	6.191	49.811	0.801	0.801	90.001	50.701	29.241	13.001	11.201	29.921	-40.001	-37.001		
IVEN000011	-35.901	-65.681	6.741	2.581	2.131	122.361	65.551	37.251	13.001	11.201	31.131	-37.001	-31.001		
IVEN000021	-35.901	-63.621	13.671	0.801	0.801	90.001	53.841	33.531	13.001	11.201	26.061	-37.001	-31.001		
ISRL0IFRB1	-35.401	-11.901	8.501	0.801	0.801	90.001	53.761	33.011	13.001	11.201	30.981	-37.001	-31.001		
IDNK000021	-34.801	10.941	55.731	0.801	0.801	90.001	51.391	31.541	13.001	11.201	28.531	-37.001	-31.001		
IDNKOOFAR1	-34.801	-7.181	61.741	0.801	0.801	90.001	50.701	29.811	13.001	11.201	30.211	-37.001	-31.001		
IGRL000001	-34.801	-39.401	67.611	2.321	1.201	2.321	57.941	31.741	13.001	11.201	37.761	-37.001	-31.001		
IBEN000001	-33.701	2.331	9.291	1.421	1.201	87.741	59.741	36.531	13.001	11.201	35.891	-37.001	-31.001		
AGLO0IFRB1	-33.101	15.911	-12.431	2.611	1.711	78.301	62.301	33.311	13.001	11.201	33.941	-37.001	-31.001		
ITUN000001	-32.601	8.721	33.301	1.601	1.201	119.831	57.841	32.641	13.001	11.201	33.511	-37.001	-31.001		
ASCSTHTC1	-29.801	-11.511	-19.611	5.781	2.131	80.131	63.411	31.021	13.001	11.201	39.761	-31.001	-28.001		
IBERCAYMS1	-29.801	-68.301	22.551	3.721	2.131	46.491	67.901	38.021	13.001	11.201	36.351	-31.001	-28.001		
IFLKSTGGL1	-29.801	-45.851	-59.641	4.031	1.531	166.841	60.381	31.091	13.001	11.201	36.581	-31.001	-28.001		
IG 000001	-29.801	-3.841	53.961	1.771	1.201	153.141	56.631	31.531	13.001	11.201	31.681	-31.001	-28.001		
IGNEOIFRB1	-26.801	10.501	1.671	0.801	0.801	90.001	53.941	34.981	13.001	11.201	33.491	-27.001	-21.001		
IALB000001	-26.501	20.021	40.961	0.801	0.801	90.001	55.561	34.421	13.001	11.201	34.461	-27.001	-21.001		
IGUIOIFRB1	-25.901	-11.001	10.241	1.811	1.331	151.551	61.271	36.551	13.001	11.201	38.111	-27.001	-21.001		
IRL000001	-24.701	-9.161	53.261	0.801	0.801	90.001	51.281	31.481	13.001	11.201	28.051	-27.001	-21.001		
ILBN000001	-24.101	35.801	33.831	0.801	0.801	90.001	50.701	29.861	13.001	11.201	34.291	-27.001	-21.001		
ISU1000001	-23.501	8.301	46.751	0.801	0.801	90.001	50.821	30.741	13.001	11.201	31.781	-27.001	-21.001		
ITRD000001	-23.101	-60.941	10.771	0.801	0.801	90.001	54.101	34.581	13.001	11.201	33.141	-27.001	-21.001		
ITZAOIFRB1	-20.601	34.281	-5.881	2.291	1.201	93.661	59.831	33.051	13.001	11.201	36.861	-21.001	-14.001		
ITGQ000001	-20.001	0.831	8.581	1.331	1.201	109.181	59.131	36.201	13.001	11.201	36.651	-21.001	-14.001		
ISWZ000001	-19.601	31.291	-26.351	0.801	0.801	90.001	51.401	31.021	13.001	11.201	32.451	-21.001	-14.001		
ISMRO00001	-19.101	12.461	43.931	0.801	0.801	90.001	50.701	30.331	13.001	11.201	30.151	-21.001	-14.001		
IB 000021	-18.101	-43.701	-6.361	4.771	3.921	131.731	71.091	37.471	13.001	11.201	41.091	-21.001	-14.001		
IMLT000001	-17.101	14.641	36.131	0.801	0.801	90.001	50.701	30.261	13.001	11.201	33.461	-21.001	-14.001		
IGABOIFRB1	-16.301	11.581	-0.751	1.551	1.241	77.431	60.201	36.461	13.001	11.201	33.921	-21.001	-14.001		
IBEL000001	-15.801	4.721	50.801	0.801	0.801	90.001	50.701	29.541	13.001	11.201	28.111	-21.001	-14.001		
ICYP000001	-14.701	33.201	35.101	0.801	0.801	90.001	51.491	31.061	13.001	11.201	33.461	-21.001	-14.001		
IAUTO000001	-12.201	13.111	47.631	0.801	0.801	90.001	53.001	32.891	13.001	11.201	26.691	-14.001	-11.001		
ICII000001	-10.201	-9.851	7.791	1.511	1.421	86.511	60.601	36.391	13.001	11.201	33.491	-11.001	-6.001		
ARS000001	-9.701	43.111	23.411	3.551	1.471	127.431	61.401	32.211	13.001	11.201	27.111	-11.001	-6.001		
ICME000001	-9.201	13.121	5.701	2.761	1.541	88.611	64.291	37.111	13.001	11.201	34.421	-11.001	-6.001		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1	14
IF	00000	-7.801	2.961	45.941	2.371	1.261	164.491	60.651	33.431	13.001	11.201	30.561	-11.001	-6.001		
IGDL	00000	-7.801	-61.621	16.411	0.801	0.801	90.001	55.821	36.861	13.001	11.201	36.161	-11.001	-6.001		
IGUF	00000	-7.801	-52.981	4.751	0.801	0.801	90.001	55.961	37.001	13.001	11.201	28.371	-11.001	-6.001		
IMYT	00000	-7.801	-45.201	-12.831	0.801	0.801	90.001	53.981	34.391	13.001	11.201	32.701	-11.001	-6.001		
IREU	00000	-7.801	55.571	-21.121	0.801	0.801	90.001	54.561	35.601	13.001	11.201	39.891	-11.001	-6.001		
ISPM	00000	-7.801	-56.401	46.961	0.801	0.801	90.001	52.141	31.561	13.001	11.201	41.571	-11.001	-6.001		
IZMBOIFRB	1	-6.901	27.431	-12.971	2.441	1.491	40.331	59.121	31.581	13.001	11.201	35.871	-11.001	-6.001		
IYUGO	00000	-4.501	17.711	43.781	1.701	1.181	152.581	57.761	32.521	13.001	11.201	27.191	-6.001	-2.001		
IDFA	00000	-3.701	-1.401	12.191	1.961	1.201	23.911	60.921	34.351	13.001	11.201	29.621	-6.001	-2.001		
ISDN	00001	-3.101	29.241	10.231	3.071	2.051	128.921	65.121	34.471	13.001	11.201	35.991	-6.001	-2.001		
ISPN	00002	-3.101	29.231	16.561	2.711	2.551	117.431	60.691	30.791	13.001	11.201	31.021	-6.001	-2.001		
IKGU	00000	0.001	24.611	45.591	1.541	1.171	176.681	56.721	32.051	13.001	11.201	28.791	-2.001	3.001		
ISR	00000	0.601	34.661	30.701	0.801	0.801	90.001	54.841	34.111	13.001	11.201	32.351	-2.001	3.001		
ANDO	00000	0.901	1.531	42.521	0.801	0.801	90.001	50.701	28.931	13.001	11.201	26.261	-2.001	3.001		
IGHA	00000	1.701	-1.321	7.761	1.671	1.341	94.161	60.811	34.421	13.001	11.201	33.321	-2.001	3.001		
IALG	00000	4.901	2.841	27.891	3.741	3.111	6.991	64.471	31.891	13.001	11.201	27.071	3.001	7.001		
ICOGOIFRB	1	5.301	14.891	-0.471	2.341	1.441	55.821	62.881	36.711	13.001	11.201	31.091	3.001	7.001		
IEHT	00000	6.001	39.841	10.451	2.761	2.141	113.121	61.361	31.871	13.001	11.201	30.311	3.001	7.001		
IBUL	00000	9.901	25.231	42.921	0.801	0.801	90.001	52.441	32.431	13.001	11.201	27.371	8.001	15.001		
IRGQ	00000	10.601	44.001	33.051	2.051	1.201	145.441	55.911	30.491	13.001	11.201	31.651	8.001	15.001		
IFNL	00000	11.801	25.861	64.791	1.361	1.201	162.651	54.341	30.651	13.001	11.201	28.681	8.001	15.001		
ILIE	00000	13.301	9.501	47.201	0.801	0.801	90.001	50.701	28.811	13.001	11.201	29.761	8.001	15.001		
INGROIFRB	1	14.101	8.301	17.211	3.331	2.251	22.501	61.681	31.181	13.001	11.201	30.191	8.001	15.001		
IGRC	00000	16.001	24.721	38.271	1.891	1.231	159.101	58.991	32.931	13.001	11.201	33.491	15.001	22.001		
INUR	00000	17.001	12.831	63.141	2.581	1.201	14.181	58.831	32.091	13.001	11.201	31.991	15.001	22.001		
INCC	00000	19.001	7.401	43.671	0.801	0.801	90.001	51.671	31.191	13.001	11.201	30.991	15.001	22.001		
IRRN	00000	20.801	54.111	32.971	3.841	1.661	142.431	62.491	32.401	13.001	11.201	35.741	15.001	22.001		
INCIG	00000	21.501	7.561	9.731	2.921	1.971	29.871	65.501	37.011	13.001	11.201	36.451	15.001	22.001		
ID	00000	22.401	9.761	50.641	1.131	1.061	30.901	53.341	30.911	13.001	11.201	27.211	22.001	25.001		
ILBY	00000	25.801	19.091	23.961	3.291	2.771	162.171	65.561	33.501	13.001	11.201	32.411	25.001	28.001		
IDDR	00000	28.501	12.861	51.671	0.801	0.801	90.001	51.161	31.431	13.001	11.201	26.821	28.001	31.001		
ITCD	01FRB	32.101	18.841	15.611	3.621	2.091	77.211	66.681	34.971	13.001	11.201	33.791	31.001	35.001		
IPOL	00000	33.301	19.271	52.031	1.391	1.201	18.211	54.621	30.711	13.001	11.201	26.481	31.001	35.001		
IEGY	00000	36.501	29.841	26.201	2.511	2.261	2.901	59.201	30.261	13.001	11.201	26.851	35.001	39.001		
ITCH	00000	38.001	17.761	49.181	1.371	1.201	176.531	55.641	31.511	13.001	11.201	27.311	35.001	39.001		
IZAI	01FRB	41.201	24.091	-4.591	4.111	4.071	25.201	70.491	37.351	13.001	11.201	39.201	39.001	45.001		
IS	00000	41.801	18.251	60.521	2.061	1.191	28.681	57.491	31.791	13.001	11.201	26.271	39.001	45.001		
IPAK	00000	42.501	69.601	29.781	2.681	2.251	20.991	65.421	34.721	13.001	11.201	36.951	39.001	45.001		
ISYR	00000	43.101	36.671	33.601	2.051	1.201	8.491	57.161	31.381	13.001	11.201	29.581	39.001	45.001		
II	00000	45.001	13.081	40.811	1.931	1.411	53.791	58.991	32.441	13.001	11.201	32.241	45.001	48.001		
IAAE	00000	48.301	53.721	24.571	1.311	1.181	11.161	52.071	28.981	13.001	11.201	30.591	48.001	54.001		
INK	00001	49.001	12.221	56.101	0.801	0.801	90.001	51.591	31.881	13.001	11.201	25.711	48.001	54.001		
IMOZOIFRB	1	49.501	34.641	-17.221	3.601	2.001	71.111	66.641	35.141	13.001	11.201	36.411	48.001	54.001		
ICVA	00000	50.501	12.501	41.881	0.801	0.801	90.001	50.951	30.651	13.001	11.201	28.441	48.001	54.001		
ICYP	SBA00	52.501	32.951	34.581	0.801	0.801	90.001	50.701	29.681	13.001	11.201	30.461	48.001	54.001		
IGIB	00000	52.501	-5.351	36.151	0.801	0.801	90.001	53.171	32.301	13.001	11.201	34.881	48.001	54.001		
IHKG	00000	52.501	114.501	22.421	0.801	0.801	90.001	54.521	35.561	13.001	11.201	36.801	48.001	54.001		
ICAF	01FRB	53.101	21.851	6.381	2.431	1.831	27.561	64.441	37.061	13.001	11.201	37.291	48.001	54.001		
INGH	00000	54.001	19.311	47.121	0.801	0.801	90.001	53.781	33.541	13.001	11.201	25.461	54.001	57.001		
IBU	00000	58.801	24.161	-21.741	1.861	1.271	121.011	54.941	29.871	13.001	11.201	26.371	57.001	62.001		
IBDI	00000	59.401	29.971	-3.221	0.801	0.801	90.001	50.701	30.191	13.001	11.201	28.691	57.001	62.001		
INDGOIFRB	1	60.101	46.601	-18.291	2.911	1.311	85.911	63.531	36.821	13.001	11.201	43.231	57.001	62.001		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
														14
IURS00001	62.001	57.821	48.271	7.471	3.481	178.291	68.791	32.711	13.001	11.201	28.341	57.001	62.001	
IKENO00001	64.201	38.291	0.851	2.341	1.811	98.091	59.391	31.271	13.001	11.201	31.571	62.001	66.001	
IAFS00001	64.901	26.741	-29.721	5.641	1.821	129.071	64.891	32.741	13.001	11.201	33.611	62.001	66.001	
ITURO00001	65.701	36.701	35.531	2.781	1.981	41.571	65.271	35.051	13.001	11.201	28.161	62.001	66.001	
ICOM01FRB1	68.101	44.101	-12.171	0.801	0.801	90.001	53.771	33.131	13.001	11.201	32.161	66.001	71.001	
ININD00001	68.701	82.381	18.971	6.481	4.891	118.201	73.511	37.611	13.001	11.201	39.701	66.001	71.001	
IRRWO1FRB1	70.201	30.001	-2.001	0.801	0.801	90.001	50.701	29.761	13.001	11.201	30.091	66.001	71.001	
INHWD01FRB1	71.001	19.671	-21.041	2.921	1.411	116.981	59.451	31.541	13.001	11.201	30.021	66.001	71.001	
IZWE000001	79.301	30.981	-17.471	0.801	0.801	90.001	50.701	29.751	13.001	11.201	26.511	78.001	83.001	
IVTN000001	79.601	107.911	14.311	3.781	2.381	130.311	67.731	37.291	13.001	11.201	33.951	78.001	83.001	
IVUGAO1FRB1	80.101	32.231	1.381	1.361	1.201	61.471	56.381	32.041	13.001	11.201	32.801	78.001	83.001	
IVOMA000001	80.701	56.141	21.631	2.361	1.211	52.651	55.511	29.721	13.001	11.201	29.441	78.001	83.001	
IVJRD000001	81.501	36.661	31.321	0.801	0.801	90.001	51.211	31.511	13.001	11.201	33.511	78.001	83.001	
IVAFG000001	84.301	66.931	33.901	2.871	1.311	21.071	57.581	30.401	13.001	11.201	26.821	83.001	88.001	
IVMWI01FRB1	85.101	34.821	-13.221	1.711	1.201	108.821	57.071	31.881	13.001	11.201	33.611	83.001	88.001	
IVBRMO1FRB1	85.601	96.851	18.831	3.431	1.801	101.151	65.941	37.131	13.001	11.201	31.951	83.001	88.001	
IVPHD01FRB1	86.201	121.191	11.361	3.461	1.571	101.411	65.791	37.541	13.001	11.201	31.221	83.001	88.001	
IVYNB000001	86.901	50.061	14.391	2.081	1.391	24.781	56.571	30.481	13.001	11.201	30.131	83.001	88.001	
IVLSUO1FRB1	90.501	28.401	-29.501	0.801	0.801	90.001	50.701	29.971	13.001	11.201	34.441	88.001	94.001	
IVMAUO1FRB1	91.101	57.501	-20.171	0.801	0.801	90.001	53.961	34.301	13.001	11.201	39.231	88.001	94.001	
IVMLA000001	91.701	107.461	3.981	3.801	1.321	2.881	65.011	37.111	13.001	11.201	32.721	88.001	94.001	
IVMLD01FRB1	92.201	73.131	2.481	2.501	0.801	89.051	60.771	34.901	13.001	11.201	31.411	88.001	94.001	
IVSMO1FRB1	93.001	45.951	7.041	3.581	1.211	70.581	60.761	32.351	13.001	11.201	30.291	88.001	94.001	
IVURS000021	93.801	96.971	48.191	9.501	3.291	176.101	70.771	33.661	13.001	11.201	31.621	88.001	94.001	
IVSEY01FRB1	100.701	55.401	-4.501	0.801	0.801	90.001	50.701	29.971	13.001	11.201	26.981	99.001	103.001	
IVCHN000011	101.101	103.731	34.981	8.301	4.511	2.451	74.621	36.671	13.001	11.201	37.221	99.001	103.001	
IVYEMO1FRB1	104.101	44.471	15.021	0.801	0.801	90.001	52.401	32.521	13.001	11.201	31.801	103.001	108.001	
IVBGD000001	104.701	90.241	24.011	1.301	1.201	116.351	59.151	34.681	13.001	11.201	29.911	103.001	108.001	
IVCLN000001	105.401	80.081	7.671	0.801	0.801	90.001	54.151	33.491	13.001	11.201	33.161	103.001	108.001	
IVAU500001	106.001	131.021	-24.381	6.311	5.061	44.441	73.881	37.941	13.001	11.201	44.971	103.001	108.001	
IVAU500021	106.001	163.101	-30.261	1.231	1.201	30.241	59.531	36.941	13.001	11.201	50.031	103.001	108.001	
IVAU500031	106.001	101.341	-11.541	1.961	1.201	9.841	55.371	30.121	13.001	11.201	32.591	103.001	108.001	
IVAU500041	106.001	158.971	-54.471	0.801	0.801	90.001	50.701	28.281	13.001	11.201	46.341	103.001	108.001	
IVAU500051	106.001	110.421	-66.271	0.801	0.801	90.001	50.701	27.981	13.001	11.201	46.021	103.001	108.001	
IVKWT000001	106.701	48.071	29.301	0.801	0.801	90.001	50.701	29.911	13.001	11.201	29.051	103.001	108.001	
IVBHR000001	110.201	50.601	26.071	0.801	0.801	90.001	50.701	28.821	13.001	11.201	26.381	108.001	112.001	
IVCHN000021	110.701	114.091	15.781	4.891	2.951	71.331	69.701	37.211	13.001	11.201	34.101	108.001	112.001	
IVDJ101FRB1	111.301	42.601	11.671	0.801	0.801	90.001	50.701	30.311	13.001	11.201	31.381	108.001	112.001	
IVADL000001	114.001	140.021	-66.671	0.801	0.801	90.001	50.701	28.101	13.001	11.201	36.541	112.001	115.001	
IVKER000001	114.001	69.391	-43.931	2.001	1.731	163.521	59.141	31.851	13.001	11.201	43.071	112.001	115.001	
IVNCL000001	114.001	165.781	-21.411	0.801	0.801	90.001	55.021	36.061	13.001	11.201	41.141	112.001	115.001	
IVREU000021	114.001	55.581	-21.121	0.801	0.801	90.001	54.481	35.521	13.001	11.201	45.431	112.001	115.001	
IVWAL000001	114.001	182.851	-13.801	0.801	0.801	90.001	54.871	35.911	13.001	11.201	42.541	112.001	115.001	
IVTHA000001	115.501	100.891	12.841	2.971	1.931	86.331	65.511	37.031	13.001	11.201	30.401	115.001	119.001	
IVQAT000001	116.901	50.971	23.451	0.801	0.801	90.001	50.701	28.671	13.001	11.201	32.851	115.001	119.001	
IVNPLO1FRB1	119.901	84.341	28.041	1.231	1.201	177.951	55.521	31.691	13.001	11.201	34.921	119.001	123.001	
IVCBG01FRB1	121.501	105.221	12.811	1.401	1.201	47.891	59.431	36.281	13.001	11.201	26.841	119.001	123.001	
IVINS000001	126.001	118.921	-1.821	9.401	4.541	169.651	74.771	37.571	13.001	11.201	41.121	123.001	126.001	
IVURS000031	138.001	134.281	32.641	7.241	2.641	5.391	67.601	32.901	13.001	11.201	32.071	138.001	141.001	
IVTONO1FRB1	141.001	184.831	-21.171	0.801	0.801	90.001	54.141	35.181	13.001	11.201	38.231	141.001	146.001	
IVNGO000001	141.601	103.851	1.281	0.801	0.801	90.001	53.951	34.991	13.001	11.201	27.961	141.001	146.001	
IVPMG000001	142.101	148.141	-6.671	3.461	2.491	168.581	67.311	37.061	13.001	11.201	38.341	141.001	146.001	

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

SLT. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
IMNC00000	142.70	105.70	47.00	3.19	1.21	14.95	60.67	32.67	13.00	11.20	26.22	141.00	146.00
ILAD0IFRB	143.40	104.19	18.15	1.73	1.20	98.78	60.99	36.91	13.00	11.20	36.76	141.00	146.00
ITUV00000	146.80	179.16	-8.50	0.80	0.80	90.00	53.88	33.72	13.00	11.20	38.93	146.00	151.00
INRU0IFRB	147.60	166.90	-0.50	0.80	0.80	90.00	53.69	32.70	13.00	11.20	32.68	146.00	151.00
IU_00000	148.30	140.96	30.53	6.15	3.79	15.98	72.29	36.65	13.00	11.20	37.01	146.00	151.00
IVUTOIFRB	148.80	168.41	-17.17	1.36	1.19	119.17	59.32	36.33	13.00	11.20	32.58	146.00	151.00
ISLMOIFRB	152.50	158.99	-9.09	1.76	1.20	147.31	60.62	36.48	13.00	11.20	32.97	151.00	157.00
INZL00001	153.10	171.24	-44.39	5.57	1.20	49.32	63.54	33.27	13.00	11.20	38.79	151.00	157.00
INZL00002	153.10	194.59	-13.23	2.86	2.19	82.63	66.58	37.71	13.00	11.20	41.21	151.00	157.00
IK1ROIFRB	153.80	173.00	1.00	0.80	0.80	90.00	53.68	32.69	13.00	11.20	33.07	151.00	157.00
ITRVOIFRB	154.30	114.60	4.50	0.80	0.80	90.00	53.99	35.03	13.00	11.20	35.08	151.00	157.00
IKRE00000	154.80	127.61	40.07	1.56	1.20	19.01	60.46	36.84	13.00	11.20	27.31	151.00	157.00
IIAC00000	155.40	113.57	22.17	0.80	0.80	90.00	54.11	35.15	13.00	11.20	36.26	151.00	157.00
IFJ10IFRB	160.20	178.50	-17.17	0.80	0.80	90.00	53.76	33.03	13.00	11.20	45.04	157.00	161.00
IKDRO00001	160.90	128.87	35.33	1.37	1.12	33.75	58.55	33.93	13.00	11.20	28.77	157.00	161.00

ANNEXE 5 - ANNEX 5 - ANEXO 5

<u>Colonne</u>	<u>Description</u>
1.	Désignation du faisceau
2.	Position orbitale (degrés avec décimales)
3.	Longitude du point de visée de l'ellipse (degrés avec décimales)
4.	Latitude du point de visée de l'ellipse (degrés avec décimales)
5.	Grand axe de l'ellipse (degrés)
6.	Petit axe de l'ellipse (degrés)
7.	Orientation du grand axe (degrés dans le sens inverse des aiguilles d'une montre à partir de l'Equateur)
8.	P.i.r.e. sur la liaison montante (dB(W/MHz))
9.	P.i.r.e. sur la liaison descendante (dB(W/MHz))
10.	Fréquence de la liaison montante (GHz)
11.	Fréquence de la liaison descendante (GHz)
12.	C/I composite le plus défavorable
13.	Limite occidentale de l'arc de service
14.	Limite orientale de l'arc de service
<u>Column</u>	<u>Description</u>
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 predetermined arc
14.	Eastern limit of predetermined arc
<u>Columna</u>	<u>Descripción</u>
1.	Nombre del haz
2.	Posición orbital (grados decimales)
3.	Longitud del eje de puntería de la elipse (grados decimales)
4.	Latitud del eje de puntería de la elipse (grados decimales)
5.	Eje mayor de la elipse (grados)
6.	Eje menor de la elipse (grados)
7.	Orientación del eje mayor (grados desde el Ecuador en sentido inverso a las agujas de un reloj)
8.	p.i.r.e. del enlace ascendente (dBW/MHz)
9.	p.i.r.e. del enlace descendente (dBW/MHz)
10.	Frecuencia del enlace ascendente (GHz)
11.	Frecuencia del enlace descendente (GHz)
12.	C/I global de caso más desfavorable
13.	Límite occidental del arco predeterminado
14.	Límite oriental del arco predeterminado

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	SLT.	1
IAWW00000	-115.40	-69.06	12.41	0.80	0.80	90.00	54.54	35.58	13.00	11.20	33.76	-119.00	-114.00		
IAADL00000	114.00	140.02	-66.67	0.80	0.80	90.00	50.70	28.10	13.00	11.20	36.54	112.00	115.00		
IAFG00000	84.30	66.93	33.90	2.87	1.31	21.07	57.58	30.40	13.00	11.20	26.82	83.00	88.00		
IAFS00000	64.90	26.74	-29.72	5.64	1.82	129.07	64.89	32.74	13.00	11.20	33.61	62.00	66.00		
IAGLOIFRB	-33.10	15.91	-12.43	2.61	1.71	78.30	62.30	30.31	13.00	11.20	33.94	-37.00	-31.00		
IALB00000	-26.50	20.02	40.96	0.80	0.80	90.00	55.56	34.42	13.00	11.20	34.46	-27.00	-21.00		
IALG00000	4.90	2.84	27.89	3.74	3.11	6.99	64.47	31.89	13.00	11.20	27.07	3.00	7.00		
IALS00000	-167.60	-160.36	57.55	6.39	1.71	178.76	63.15	31.28	13.00	11.20	46.95	-169.00	-166.00		
IANP00000	0.90	1.53	42.52	0.80	0.80	90.00	50.70	28.93	13.00	11.20	26.26	-2.00	3.00		
IARG00000	-47.10	-61.76	-34.00	4.87	3.03	99.98	70.48	37.89	13.00	11.20	30.27	-49.00	-45.00		
IARCGINSUL	-47.10	-59.89	-57.21	3.87	1.45	183.94	60.13	31.28	13.00	11.20	28.14	-49.00	-45.00		
IAKS00000	-9.70	43.11	23.41	3.55	1.47	127.43	61.40	32.21	13.00	11.20	27.11	-11.00	-6.00		
IASCSTHTC	-29.80	-11.51	-19.61	5.78	2.13	80.13	63.41	31.02	13.00	11.20	39.76	-31.00	-28.00		
ATCO0IFRB	-64.10	-61.80	17.00	0.80	0.80	90.00	53.58	32.61	13.00	11.20	32.05	-67.00	-62.00		
ATTN00000	-46.10	-65.95	15.08	1.83	1.20	43.99	60.95	34.93	13.00	11.20	27.74	-49.00	-45.00		
IAUS00001	106.00	131.02	-24.38	6.31	9.06	44.44	73.88	37.94	13.00	11.20	44.97	103.00	108.00		
IAUS00002	106.00	163.10	-30.26	1.23	1.20	30.24	59.53	36.94	13.00	11.20	50.03	103.00	108.00		
IAU500003	106.00	101.34	-11.54	1.96	1.20	9.84	55.37	30.12	13.00	11.20	32.59	103.00	108.00		
IAU500004	106.00	158.97	-54.47	0.80	0.80	90.00	50.70	28.28	13.00	11.20	46.34	103.00	108.00		
IAU500005	106.00	110.42	-66.27	0.80	0.80	90.00	50.70	27.98	13.00	11.20	46.02	103.00	108.00		
IAUTO00001	-12.20	13.11	47.83	0.80	0.80	90.00	53.00	32.89	13.00	11.20	26.69	-14.00	-11.00		
IAZR00000	-65.10	-20.37	38.74	0.80	0.80	90.00	51.42	31.62	13.00	11.20	41.80	-67.00	-62.00		
IB 00001	-50.80	-62.11	-9.97	4.37	4.29	95.98	70.89	37.26	13.00	11.20	31.68	-54.00	-50.00		
IB 00002	-18.10	-43.70	-6.36	4.77	3.92	131.73	71.09	37.47	13.00	11.20	41.09	-21.00	-14.00		
IB 00003	-69.00	-50.03	-20.88	4.44	3.12	60.01	69.93	37.62	13.00	11.20	33.57	-71.00	-67.00		
IAAH01FRB	-88.00	-75.80	24.06	1.89	1.20	133.26	61.16	35.19	13.00	11.20	28.07	-90.00	-86.00		
IBDI00000	59.40	29.97	-3.22	0.80	0.80	90.00	50.70	30.19	13.00	11.20	28.69	57.00	62.00		
IBEL00000	-15.80	4.72	50.80	0.80	0.80	90.00	50.70	29.54	13.00	11.20	28.11	-21.00	-14.00		
IBEN00000	-33.70	2.33	9.29	1.42	1.20	87.74	59.74	36.53	13.00	11.20	35.89	-37.00	-31.00		
IBERCAYMS	-29.80	-68.30	22.55	3.72	2.13	46.49	67.90	38.02	13.00	11.20	36.35	-31.00	-28.00		
IBFAG00000	-3.70	-1.40	12.19	1.96	1.20	23.91	60.92	34.35	13.00	11.20	29.62	-6.00	-2.00		
IBGDG00000	104.70	90.24	24.01	1.30	1.20	116.35	59.15	34.68	13.00	11.20	29.91	103.00	108.00		
IBDHR00000	110.20	50.60	26.07	0.80	0.80	90.00	50.70	28.82	13.00	11.20	26.38	108.00	112.00		
IBLZ000000	-107.30	-88.62	17.24	0.80	0.80	90.00	54.43	33.75	13.00	11.20	34.95	-108.00	-102.00		
IBN000000	-76.00	-64.00	-17.12	2.73	2.33	132.30	66.04	37.11	13.00	11.20	32.45	-77.00	-71.00		
IBOT000000	58.80	24.16	-21.74	1.86	1.27	121.01	54.94	29.87	13.00	11.20	26.37	57.00	62.00		
IBRDR01FRB	-69.80	-59.60	13.17	0.80	0.80	90.00	53.58	32.61	13.00	11.20	32.55	-71.00	-67.00		
IBRMO1FRB	85.60	96.85	18.83	3.43	1.80	101.15	65.94	37.13	13.00	11.20	31.95	83.00	88.00		
IBRUO1FRB	154.30	114.60	4.50	0.80	0.80	90.00	53.99	35.03	13.00	11.20	35.08	151.00	157.00		
IBUL00000	9.70	25.23	42.92	0.80	0.80	90.00	52.44	32.43	13.00	11.20	27.37	8.00	15.00		
ICAF01FRB	53.10	21.65	6.38	2.43	1.83	27.56	64.44	37.06	13.00	11.20	37.29	48.00	54.00		
ICANOEAST	-74.40	-72.22	50.24	4.73	2.70	174.22	65.73	32.66	13.00	11.20	30.89	-77.00	-71.00		
ICANOCENT	-106.60	-95.63	51.34	4.41	2.37	157.56	65.08	32.86	13.00	11.20	35.65	-108.00	-102.00		
ICANOWEST	-116.00	-120.18	57.41	3.28	2.03	171.68	60.69	31.04	13.00	11.20	27.24	-119.00	-114.00		
ICAR00000	-167.60	-191.88	4.61	9.86	2.77	177.12	73.37	38.11	13.00	11.20	52.21	-169.00	-166.00		
ICBG01FRB	121.50	105.22	12.81	1.40	1.20	47.89	59.43	36.28	13.00	11.20	26.84	119.00	123.00		
ICHL00000	-62.70	-80.05	-32.61	8.80	5.53	144.30	70.00	31.64	13.00	11.20	32.98	-67.00	-62.00		
ICHN00001	101.10	103.73	34.98	8.30	4.51	2.45	74.62	36.67	13.00	11.20	37.22	99.00	103.00		
ICLN00002	110.70	114.09	15.78	4.89	2.95	71.33	69.70	37.21	13.00	11.20	34.10	108.00	112.00		
ICLM00000	-41.80	-73.55	5.51	3.82	2.15	107.24	67.37	37.33	13.00	11.20	31.52	-45.00	-40.00		
ICLN00000	105.40	80.08	7.67	0.80	0.80	90.00	54.15	33.49	13.00	11.20	33.16	103.00	108.00		
ICME00000	-9.20	13.12	5.70	2.76	1.54	88.61	64.29	37.11	13.00	11.20	34.42	-11.00	-6.00		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 2

														SLT.	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
ICURG00000	-56.00	-16.15	20.35	0.80	0.80	90.00	50.70	29.85	13.00	11.20	26.21	-59.00	-54.00		
ICUCO0IFRB	5.30	14.89	-0.47	2.34	1.44	55.82	62.68	36.71	13.00	11.20	31.09	3.00	7.00		
ICOMOTIFRB	68.10	44.10	-12.17	0.80	0.80	90.00	53.77	33.13	13.00	11.20	32.16	66.00	71.00		
ICPPV0IFRB	-67.00	-24.10	16.00	0.80	0.80	90.00	50.70	28.47	13.00	11.20	36.15	-67.00	-62.00		
ICU1000000	-10.20	-5.85	7.79	1.51	1.42	86.51	60.60	36.39	13.00	11.20	33.49	-11.00	-6.00		
ICUTR000000	-111.90	-85.56	8.18	1.37	1.18	75.29	59.36	36.38	13.00	11.20	36.10	-113.00	-109.00		
ICUW000000	-56.60	-79.35	21.11	1.89	1.12	172.90	61.15	39.95	13.00	11.20	35.59	-59.00	-54.00		
ICVA000000	50.50	12.50	41.88	0.80	0.80	90.00	50.95	30.65	13.00	11.20	28.44	48.00	54.00		
ICVF000000	-14.70	33.20	35.10	0.80	0.80	90.00	51.49	31.06	13.00	11.20	33.46	-21.00	-14.00		
ICYPSRA001	52.50	32.95	34.58	0.80	0.80	90.00	50.70	29.68	13.00	11.20	30.46	48.00	54.00		
ID 000000	22.40	9.76	50.64	1.13	1.06	30.90	53.34	30.91	13.00	11.20	27.21	22.00	25.00		
IDBR000000	28.50	12.86	51.67	0.80	0.80	90.00	51.16	31.43	13.00	11.20	26.82	28.00	31.00		
IDDJ10IFRB	111.30	42.60	11.67	0.80	0.80	90.00	50.70	30.31	13.00	11.20	31.38	108.00	112.00		
IDMA01IFRB	-92.90	-61.30	15.33	0.80	0.80	90.00	53.90	33.88	13.00	11.20	27.17	-94.00	-90.00		
IDNK000001	49.00	12.22	56.10	0.80	0.80	90.00	51.59	31.88	13.00	11.20	25.71	48.00	54.00		
IDNK000021	-34.80	10.94	55.73	0.80	0.80	90.00	51.39	31.54	13.00	11.20	28.53	-37.00	-31.00		
IDNKOOFARI	-34.80	-7.18	61.74	0.80	0.80	90.00	50.70	29.81	13.00	11.20	30.21	-37.00	-31.00		
IDDM01IFRB	-71.00	-70.40	18.67	0.80	0.80	90.00	53.68	32.69	13.00	11.20	34.56	-77.00	-71.00		
IE 000021	-56.00	-4.52	40.38	1.72	1.19	140.54	60.65	34.53	13.00	11.20	35.61	-59.00	-54.00		
IEGY000000	36.50	29.84	26.20	2.51	2.26	2.90	59.20	30.26	13.00	11.20	26.85	35.00	39.00		
IEGA000000	-116.30	-83.26	-1.33	2.86	1.61	170.48	64.86	37.03	13.00	11.20	36.16	-119.00	-114.00		
IETH000000	6.00	39.84	10.45	2.76	2.14	113.12	61.36	31.87	13.00	11.20	30.31	3.00	7.00		
IF 000001	-7.80	2.96	45.94	2.37	1.26	164.49	60.65	33.43	13.00	11.20	30.56	-11.00	-6.00		
IFJIO1IFRB	160.20	178.50	-17.17	0.80	0.80	90.00	53.76	33.03	13.00	11.20	45.04	157.00	161.00		
IFLN5STCGL	-29.80	-45.85	-59.64	4.03	1.53	166.84	60.38	31.09	13.00	11.20	36.58	-31.00	-28.00		
IFNL000000	11.80	25.86	64.79	1.36	1.20	162.65	54.34	30.65	13.00	11.20	28.68	8.00	15.00		
IG 000001	-29.80	-3.84	53.96	1.77	1.20	153.14	56.63	31.53	13.00	11.20	31.68	-31.00	-28.00		
IGABO1IFRB	-16.30	11.58	-0.75	1.55	1.24	77.43	60.20	36.46	13.00	11.20	33.92	-21.00	-14.00		
IGDL000001	-7.80	-61.62	16.41	0.80	0.80	90.00	55.02	36.86	13.00	11.20	36.16	-11.00	-6.00		
IGDL000021	-105.90	-61.81	16.51	0.80	0.80	90.00	56.33	37.37	13.00	11.20	31.98	-108.00	-102.00		
IGHA000000	1.70	-1.32	7.76	1.67	1.34	94.16	60.81	36.42	13.00	11.20	33.32	-2.00	3.00		
IGJB000001	52.50	-5.35	36.15	0.80	0.80	90.00	53.17	32.30	13.00	11.20	34.88	48.00	54.00		
IGMB000000	-76.50	-16.40	13.40	0.80	0.80	90.00	52.67	31.92	13.00	11.20	31.34	-77.00	-71.00		
IGNBO1IFRB	-63.50	-15.40	12.00	0.80	0.80	90.00	50.75	30.48	13.00	11.20	26.29	-67.00	-62.00		
IGNEO1IFRB	-26.80	10.50	1.67	0.80	0.80	90.00	53.94	34.98	13.00	11.20	33.49	-27.00	-21.00		
IGRC000000	16.00	24.72	38.27	1.89	1.23	159.10	58.99	32.93	13.00	11.20	33.49	15.00	22.00		
IGRD01IFRB	-111.10	-61.60	12.00	0.80	0.80	90.00	54.21	35.25	13.00	11.20	34.00	-113.00	-109.00		
IGRL000000	-34.80	-39.40	67.61	2.32	1.20	2.32	57.94	31.74	13.00	11.20	37.76	-37.00	-31.00		
IGTM000000	-117.20	-90.42	15.59	0.93	1.20	178.83	57.48	34.85	13.00	11.20	35.13	-119.00	-114.00		
IGUF000000	-7.80	-52.98	4.75	0.80	0.80	90.00	55.96	37.00	13.00	11.20	28.37	-11.00	-6.00		
IGUF000021	-105.90	-53.04	4.40	0.80	0.80	90.00	55.52	36.56	13.00	11.20	39.27	-108.00	-102.00		
IGUI01IFRB	-25.90	-11.00	10.24	1.81	1.33	151.55	61.27	36.55	13.00	11.20	38.11	-27.00	-21.00		
IGUMMRA001	-167.60	-214.09	16.69	1.89	1.17	79.00	61.51	37.17	13.00	11.20	51.45	-169.00	-166.00		
IGUY000001	-57.20	-59.08	4.74	1.65	1.20	101.65	60.24	36.38	13.00	11.20	27.62	-59.00	-54.00		
IGHKG000000	52.50	114.50	22.42	0.80	0.80	90.00	54.52	35.56	13.00	11.20	36.80	48.00	54.00		
IHNID000001	-75.40	-86.11	15.45	1.54	1.20	26.10	59.95	36.39	13.00	11.20	33.12	-77.00	-71.00		
IHING000001	54.00	19.31	47.12	0.80	0.80	90.00	53.78	33.54	13.00	11.20	25.46	54.00	57.00		
IHLO000000	-46.10	5.65	52.43	0.80	0.80	90.00	50.70	30.40	13.00	11.20	31.10	-49.00	-45.00		
IHTIO1IFRB	-103.90	-73.00	18.83	0.80	0.80	90.00	53.91	33.97	13.00	11.20	37.64	-108.00	-102.00		
IHWAO000000	-167.60	-157.62	20.74	1.44	1.20	155.53	59.39	36.32	13.00	11.20	68.06	-169.00	-166.00		
IHWL000001	-167.60	-176.58	0.08	0.80	0.80	90.00	53.35	32.43	13.00	11.20	60.90	-169.00	-166.00		
II 000001	45.00	13.08	40.81	1.93	1.41	53.79	58.99	32.44	13.00	11.20	32.24	45.00	48.00		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1	14
I14D000001	68.701	82.381	18.971	6.481	4.891	118.201	73.511	37.611	13.001	11.201	39.701	66.001	71.001		
I1P3000001	126.001	118.921	-1.821	9.401	4.541	169.651	74.771	37.571	13.001	11.201	41.121	123.001	126.001		
I1RL000001	-24.701	-9.161	53.261	0.801	0.801	90.001	51.781	31.481	13.001	11.201	28.051	-27.001	-21.001		
I1RN000001	20.801	54.111	32.971	3.841	1.661	142.431	62.491	32.401	13.001	11.201	35.741	15.001	22.001		
I1RG000001	10.601	44.001	33.051	2.051	1.201	145.441	55.911	30.491	13.001	11.201	31.651	8.001	15.001		
I1SL000001	-42.501	-18.281	64.911	0.801	0.801	90.001	52.581	32.671	13.001	11.201	29.531	-45.001	-40.001		
I1SR000001	0.601	34.661	30.701	0.801	0.801	90.001	54.841	34.111	13.001	11.201	32.351	-2.001	3.001		
I1J000001	148.301	140.961	30.531	6.151	3.791	15.981	72.291	36.651	13.001	11.201	37.011	146.001	151.001		
I1AR000001	-167.601	-160.001	-0.381	0.801	0.801	90.001	53.341	32.421	13.001	11.201	59.631	-169.001	-166.001		
I1MC000001	-119.001	-77.591	18.181	0.801	0.801	90.001	54.161	35.201	13.001	11.201	42.001	-119.001	-114.001		
I1JD000001	-167.601	-168.501	17.001	0.801	0.801	90.001	50.701	27.521	13.001	11.201	65.041	-169.001	-166.001		
I1JR000001	81.501	36.661	31.321	0.801	0.801	90.001	51.211	31.511	13.001	11.201	33.511	78.001	83.001		
I1KEN000001	64.201	38.291	0.851	2.341	1.811	98.091	59.391	31.271	13.001	11.201	31.571	62.001	66.001		
I1KFR000001	114.001	69.391	-43.931	2.001	1.731	163.521	59.141	31.851	13.001	11.201	43.071	112.001	115.001		
I1K1R01IFRB	153.801	173.001	1.001	0.801	0.801	90.001	53.681	32.691	13.001	11.201	33.071	151.001	157.001		
I1KDR000001	160.901	128.871	35.331	1.371	1.121	33.751	58.551	33.931	13.001	11.201	28.771	157.001	161.001		
I1KRE000001	154.801	127.611	40.071	1.561	1.201	19.011	60.461	36.841	13.001	11.201	27.311	151.001	157.001		
I1KWT000001	106.701	48.071	29.301	0.801	0.801	90.001	50.701	29.911	13.001	11.201	29.051	103.001	108.001		
I1LAU01IFRB	143.401	104.191	18.151	1.731	1.201	98.781	60.991	36.911	13.001	11.201	36.761	141.001	146.001		
I1LBN000001	-24.101	35.801	33.831	0.801	0.801	90.001	50.701	29.861	13.001	11.201	34.291	-27.001	-21.001		
I1LBRO000001	-41.401	-8.941	6.501	0.941	1.071	37.681	57.531	36.601	13.001	11.201	31.211	-45.001	-40.001		
I1LY000001	25.801	19.091	25.961	3.291	2.771	162.171	65.561	33.501	13.001	11.201	32.411	25.001	28.001		
I1LIE000001	13.301	9.501	47.201	0.801	0.801	90.001	50.701	28.811	13.001	11.201	29.761	8.001	15.001		
I1LSNO1IFRB	90.501	28.401	-29.501	0.801	0.801	90.001	50.701	29.971	13.001	11.201	34.441	88.001	94.001		
I1LUX000001	-38.901	6.191	49.811	0.801	0.801	90.001	50.701	29.241	13.001	11.201	29.921	-40.001	-37.001		
I1MAC000001	155.401	113.571	22.171	0.801	0.801	90.001	54.111	35.151	13.001	11.201	36.261	151.001	157.001		
I1MAU01IFRB	91.101	57.501	-20.171	0.801	0.801	90.001	53.961	34.301	13.001	11.201	39.231	88.001	94.001		
I1MCO000001	19.001	7.401	43.671	0.801	0.801	90.001	51.671	31.191	13.001	11.201	30.991	15.001	22.001		
I1MDG01IFRB	60.101	46.601	-18.291	2.911	1.311	85.911	63.531	36.821	13.001	11.201	43.231	57.001	62.001		
I1MDR000001	-65.101	-16.531	32.131	0.801	0.801	90.001	52.341	32.251	13.001	11.201	35.501	-67.001	-62.001		
I1MDW000001	-167.601	-177.421	28.221	0.801	0.801	90.001	50.701	27.751	13.001	11.201	61.271	-169.001	-166.001		
I1MEX000001	-68.501	-101.281	23.081	4.201	2.751	164.951	69.391	37.871	13.001	11.201	34.481	-71.001	-67.001		
I1MLAO000001	91.701	107.461	3.981	3.801	1.321	2.881	65.011	37.111	13.001	11.201	32.721	88.001	94.001		
I1MLD01IFRB	92.201	73.131	2.481	2.501	0.801	89.051	60.771	34.901	13.001	11.201	31.411	88.001	94.001		
I1MLI01IFRB	-47.401	-4.821	17.691	2.681	2.171	107.351	65.991	36.931	13.001	11.201	28.431	-49.001	-45.001		
I1MLT000001	-17.101	14.641	36.131	0.801	0.801	90.001	50.701	30.261	13.001	11.201	33.461	-21.001	-14.001		
I1MNG000001	142.701	105.701	47.001	3.191	1.211	14.951	60.671	32.671	13.001	11.201	26.221	141.001	146.001		
I1MOZ01IFRB	49.501	34.641	-17.221	3.601	2.001	71.111	66.641	35.141	13.001	11.201	36.411	48.001	54.001		
I1MRCC000001	-42.901	-9.221	29.181	3.151	1.381	63.251	60.651	32.171	13.001	11.201	29.121	-45.001	-40.001		
I1MRLL000001	-167.601	-184.701	8.741	2.541	1.771	96.641	64.351	36.921	13.001	11.201	61.981	-169.001	-166.001		
I1MTN01IFRB	-52.801	-10.831	19.691	2.711	1.741	108.841	61.021	32.241	13.001	11.201	26.161	-54.001	-50.001		
I1MWI01IFRB	85.101	34.821	-13.221	1.711	1.201	108.821	57.071	31.881	13.001	11.201	33.611	83.001	88.001		
I1MYT000001	-7.801	-45.201	-12.831	0.801	0.801	90.001	53.981	34.391	13.001	11.201	32.701	-11.001	-6.001		
I1NCG01IFRB	-86.601	-84.881	12.971	1.191	1.091	2.711	58.541	36.511	13.001	11.201	28.111	-90.001	-86.001		
I1NCL000001	114.001	165.781	-21.411	0.801	0.801	90.001	55.021	36.061	13.001	11.201	41.141	112.001	115.001		
I1NGR01IFRB	14.101	8.301	17.211	3.331	2.251	22.501	61.681	31.181	13.001	11.201	30.191	8.001	15.001		
I1NIG000001	21.501	7.561	9.731	2.921	1.971	29.871	65.501	37.011	13.001	11.201	36.451	15.001	22.001		
I1NMBO1IFRB	71.001	19.671	-21.041	2.921	1.411	116.981	59.451	31.541	13.001	11.201	30.021	66.001	71.001		
I1NOR000001	17.001	12.831	63.141	2.581	1.201	14.181	58.831	32.091	13.001	11.201	31.991	15.001	22.001		
I1NPLO1IFRB	119.901	84.341	28.041	1.231	1.201	177.951	55.521	31.691	13.001	11.201	34.921	119.001	123.001		
I1NRUO1IFRB	147.601	166.901	-0.501	0.801	0.801	90.001	53.691	32.701	13.001	11.201	32.681	146.001	151.001		
I1NZL000001	153.101	171.241	-44.391	5.571	1.201	49.321	63.541	33.271	13.001	11.201	38.791	151.001	157.001		

ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 4

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1	14
INZL000021	153.101	194.591	-13.231	2.861	2.191	82.631	66.581	37.711	13.001	11.201	41.211	151.001	157.001		
OCE000001	-105.901	-141.561	-16.041	3.581	2.301	131.741	67.381	36.291	13.001	11.201	48.501	-108.001	-102.001		
OMA000001	80.701	56.141	21.631	2.361	1.211	52.651	55.511	29.721	13.001	11.201	29.441	78.001	83.001		
IPAK000001	42.501	69.601	29.781	2.681	2.251	20.991	65.421	34.721	13.001	11.201	36.951	39.001	45.001		
IPHL01FRB1	86.201	121.191	11.361	3.461	1.571	101.411	65.791	37.541	13.001	11.201	31.221	83.001	88.001		
IPLM000001	-167.601	-161.421	7.001	0.801	0.801	90.001	53.361	32.431	13.001	11.201	66.011	-169.001	-166.001		
IPNG000001	142.101	148.141	-6.671	3.461	2.491	168.581	67.311	37.061	13.001	11.201	38.341	141.001	146.001		
IPNRO1FRB1	-102.601	-80.251	8.551	1.301	1.201	155.401	59.061	36.231	13.001	11.201	38.091	-108.001	-102.001		
IPLO000001	33.301	19.271	52.031	1.391	1.201	18.211	54.621	30.711	13.001	11.201	26.481	31.001	35.001		
IPDR000001	-65.101	-8.311	39.491	0.801	0.801	90.001	56.161	35.231	13.001	11.201	34.211	-67.001	-62.001		
IPRG000001	-83.501	-58.731	-23.101	1.701	1.451	111.271	61.571	36.751	13.001	11.201	31.391	-86.001	-82.001		
IPRU000001	-94.001	-74.311	-8.401	3.741	2.461	107.541	67.911	37.381	13.001	11.201	43.581	-94.001	-90.001		
IPTC000001	-60.201	-130.101	-25.071	0.801	0.801	90.001	50.701	28.611	13.001	11.201	28.801	-62.001	-59.001		
IQAT000001	116.901	50.971	25.451	0.801	0.801	90.001	50.701	28.671	13.001	11.201	32.851	115.001	119.001		
IREU000001	-7.801	55.571	-21.121	0.801	0.801	90.001	54.561	35.601	13.001	11.201	39.891	-11.001	-6.001		
IREU000021	114.001	55.581	-21.121	0.801	0.801	90.001	54.481	35.521	13.001	11.201	45.431	112.001	115.001		
IROU000001	0.001	24.611	45.591	1.541	1.171	176.681	56.721	32.051	13.001	11.201	28.791	-2.001	3.001		
IRRW01FRB1	70.201	30.001	-2.001	0.801	0.801	90.001	50.701	29.761	13.001	11.201	30.091	66.001	71.001		
IS_000001	41.801	18.251	60.521	2.061	1.191	28.681	57.491	31.791	13.001	11.201	26.271	39.001	45.001		
ISCN01FRB1	-72.501	-62.901	17.331	0.801	0.801	90.001	53.701	32.741	13.001	11.201	26.901	-77.001	-71.001		
ISDN000001	-3.101	29.241	10.231	3.071	2.051	128.921	65.121	34.471	13.001	11.201	35.991	-6.001	-2.001		
ISDN000021	-3.101	29.231	16.561	2.711	2.551	117.431	60.691	30.791	13.001	11.201	31.021	-6.001	-2.001		
ISEN000001	-58.001	-13.881	14.161	1.261	1.171	135.691	59.261	36.681	13.001	11.201	31.361	-59.001	-54.001		
ISEY01FRB1	100.701	55.401	-4.501	0.801	0.801	90.001	54.091	35.131	13.001	11.201	26.981	99.001	103.001		
ISLMO1FRB1	152.501	158.991	-9.091	1.761	1.201	147.311	60.621	36.481	13.001	11.201	32.971	151.001	157.001		
ISLV01FRB1	-55.001	-89.001	13.671	0.801	0.801	90.001	53.921	34.961	13.001	11.201	37.381	-59.001	-54.001		
ISMA000001	-167.601	-170.701	-14.221	0.801	0.801	90.001	50.701	27.491	13.001	11.201	44.751	-169.001	-166.001		
ISMRO000001	-19.101	12.461	43.931	0.801	0.801	90.001	50.701	30.331	13.001	11.201	30.151	-21.001	-14.001		
ISNG000001	141.601	103.851	1.281	0.801	0.801	90.001	53.951	34.991	13.001	11.201	27.961	141.001	146.001		
ISOMO1FRB1	93.001	45.951	7.041	3.581	1.211	70.581	60.761	32.351	13.001	11.201	30.291	88.001	94.001		
ISPM000001	-7.801	-56.401	46.961	0.801	0.801	90.001	52.141	31.561	13.001	11.201	41.571	-11.001	-6.001		
ISRLO1FRB1	-35.401	-11.901	8.501	0.801	0.801	90.001	53.761	33.011	13.001	11.201	30.981	-37.001	-31.001		
ISTPO1FRB1	-43.401	7.001	1.001	0.801	0.801	90.001	54.191	35.231	13.001	11.201	38.121	-45.001	-40.001		
ISUI000001	-23.501	8.301	46.751	0.801	0.801	90.001	50.821	30.741	13.001	11.201	31.781	-27.001	-21.001		
ISURO1FRB1	-77.001	-55.631	3.931	1.121	1.111	37.371	58.131	36.281	13.001	11.201	35.591	-77.001	-71.001		
ISWZ000001	-19.601	31.291	-26.351	0.801	0.801	90.001	51.401	31.021	13.001	11.201	32.451	-21.001	-14.001		
ISYR000001	43.101	36.671	35.601	2.051	1.201	8.491	57.161	31.381	13.001	11.201	29.581	39.001	45.001		
ITCDO1FRB1	32.101	18.841	15.611	3.621	2.091	77.211	66.681	34.971	13.001	11.201	33.791	31.001	35.001		
ITCH000001	38.001	17.761	49.181	1.371	1.201	176.531	55.641	31.511	13.001	11.201	27.311	35.001	39.001		
ITGD000001	-20.001	0.831	8.581	1.331	1.201	109.181	59.131	36.201	13.001	11.201	36.651	-21.001	-14.001		
ITHA000001	115.501	100.891	12.841	2.971	1.931	86.331	65.511	37.031	13.001	11.201	30.401	115.001	119.001		
ITON01FRB1	141.001	184.831	-21.171	0.801	0.801	90.001	54.141	35.181	13.001	11.201	38.231	141.001	146.001		
ITRD000001	-23.101	-60.941	10.771	0.801	0.801	90.001	54.101	34.581	13.001	11.201	33.141	-27.001	-21.001		
ITUN000001	-32.601	8.721	33.301	1.601	1.201	119.831	57.841	32.641	13.001	11.201	33.511	-37.001	-31.001		
ITUR000001	65.701	36.701	35.531	2.781	1.981	41.571	65.271	35.051	13.001	11.201	28.161	62.001	66.001		
UVV000001	146.801	179.161	-8.501	0.801	0.801	90.001	53.881	33.721	13.001	11.201	38.931	146.001	151.001		
TZAO1FRB1	-20.601	34.281	-5.881	2.291	1.201	93.661	59.831	33.051	13.001	11.201	36.861	-21.001	-14.001		
UAE000001	48.301	53.721	24.571	1.311	1.181	11.161	52.071	28.981	13.001	11.201	30.591	48.001	54.001		
UGAO1FRB1	80.101	32.231	1.381	1.361	1.201	61.471	56.381	32.041	13.001	11.201	32.801	78.001	83.001		
URG000001	-102.001	-56.741	-33.491	1.261	1.141	54.731	56.781	32.771	13.001	11.201	37.951	-108.001	-102.001		
URS000001	62.001	57.821	48.271	7.471	3.481	178.291	68.791	32.711	13.001	11.201	28.341	57.001	62.001		
URS000021	93.801	96.971	48.191	9.501	3.291	176.101	70.771	33.661	13.001	11.201	31.621	88.001	94.001		

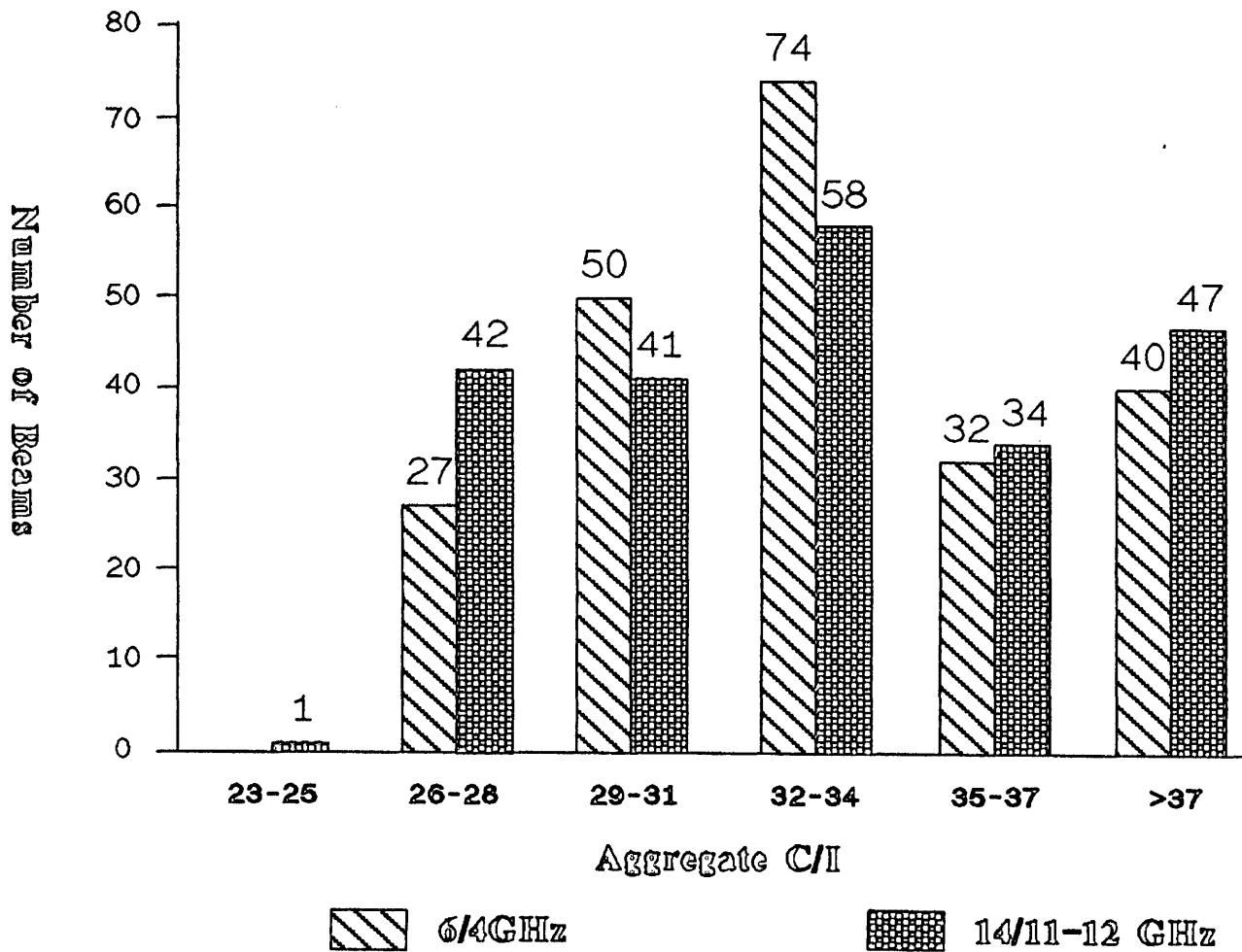
ORB (2) PLAN D'ALLOTISSEMENT EXERCICE 5-3-1-4 - I PARTIE - RESULTATS DE SYNTHESE
 ORB (2) ALLOTMENT PLANNING EXERCISE 5-3-1-4 - PART I - SYNTHESIS RESULTS
 ORB (2) PLAN DE ADJUDICACION EJERCICIO 5-3-1-4 - I PARTE - RESULTADOS DE SINTESIS

PAG. 5

1	2	3	4	5	6	7	8	9	10	11	12	13	SLT.	1
													14	
IURSO00031	138.001	134.281	32.641	7.241	2.641	5.391	67.601	32.901	13.001	11.201	32.071	138.001	141.001	
IUSA VIRPTI	-84.501	-83.741	31.741	10.101	4.621	169.011	75.771	36.521	13.001	11.201	38.381	-86.001	-82.001	
IVCTOIFRB1	-89.201	-61.101	13.171	0.801	0.801	90.001	53.831	33.461	13.001	11.201	28.361	-90.001	-86.001	
IVEN000011	-35.901	-65.681	6.741	2.581	2.131	122.361	65.551	37.251	13.001	11.201	31.131	-37.001	-31.001	
IVEN000021	-35.901	-63.621	15.671	0.801	0.801	90.001	53.841	33.531	13.001	11.201	26.061	-37.001	-31.001	
IVTN000001	79.601	107.911	14.311	3.781	2.381	130.311	67.731	37.291	13.001	11.201	33.951	78.001	83.001	
IVVTOIFRB1	148.801	168.411	-17.171	1.361	1.191	119.171	59.321	36.331	13.001	11.201	32.581	146.001	151.001	
IWAK000001	-167.601	-193.501	19.201	0.801	0.801	90.001	50.701	27.801	13.001	11.201	57.081	-169.001	-166.001	
IWAL000001	114.001	182.851	-13.801	0.801	0.801	90.001	54.871	35.911	13.001	11.201	42.541	112.001	115.001	
IYEMOIIFRB1	104.101	44.471	15.021	0.801	0.801	90.001	52.401	32.521	13.001	11.201	31.801	103.001	108.001	
IYMS000001	86.901	50.061	14.391	2.081	1.391	24.781	56.571	30.481	13.001	11.201	30.131	83.001	88.001	
IYUG000001	-4.501	17.711	43.781	1.701	1.181	152.581	57.761	32.521	13.001	11.201	27.191	-6.001	-2.001	
IZAIOIFRB1	41.201	24.091	-4.591	4.111	4.071	25.201	70.491	37.351	13.001	11.201	39.201	39.001	45.001	
IZMBOIFRB1	-6.901	27.431	-12.971	2.441	1.491	40.331	59.121	31.581	13.001	11.201	35.871	-11.001	-6.001	
IZWE000001	79.301	30.981	-17.471	0.801	0.801	90.001	50.701	29.751	13.001	11.201	26.511	78.001	83.001	

5-3-1-4

FIRST MULTIBAND DRAFT PLAN



ANNEX 6

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ORB(2)/259-E

223 BEAMS - NASARC PDAS - FULL SYNTHESIS / AGGREGATE ANALYSIS.

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 260-E
14 September 1988
Original: English

SUB-WORKING GROUP 5-A-1

BSS FEEDER-LINK PLANNING

DRAFT PLAN

1. The first 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 special requirements submitted to the Conference and not yet satisfied in the draft Plan are listed in Annex 2. Some of them are supported by appropriate notes, 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

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:

<u>Column</u>	<u>Description</u>
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	Notes referring to special requirements
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 <u>down-link</u> e.i.r.p., followed by the <u>down-link</u> margins (taken from the 1977 Plan), followed by the overall equivalent protection margin, corresponding to each test point

<u>Column</u>	<u>Description</u>
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 <u>up-link</u> e.i.r.p., followed by the <u>up-link</u> margins for each test point

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ORB(2)/260-F/E/S

PLAN 2 DRAFT PLAN - 14 SEP 88

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	40.5	2.75	2.05	177	A883	A884	1	
13												
14												
15												
16	02	63.2	0.6	0.7	5.5	4.3	6.6	4.9	4.2	3.4	-0.5	-0.2
16	06	63.3	0.6	0.6	5.5	4.0	6.6	4.5	4.2	3.2	-0.5	-0.3
16	10	63.3	0.6	0.8	5.5	4.4	6.7	5.1	4.2	3.6	-0.5	-0.1
17												
18												
19												
20												
21	02	82.0	-1.7	-1.8	-1.0	-0.3	-1.0	-0.9	-1.0	-1.6		
21	06	82.0	-2.4	-2.5	-1.7	-0.9	-0.9	-0.9	-1.0	-1.6		
21	10	82.0	-1.4	-1.4	-0.6	0.1	-0.6					

	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	
13												
14												
15												
16	14	63.4	5.2	5.2	11.3	9.2	12.0	9.6	10.6	8.9	2.5	3.0
17												
18												
19												
20												
21	14	82.0	2.4	3.4	2.2	2.3	2.9	2.6				

PLAN 2 DRAFT PLAN - 14 SEP 88

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	31.5	3.38	1.45	162	A883	A884	2	
13												
14												
15												
16	01	62.9	5.6	5.2	1.8	2.2	0.7	1.2	2.5	2.8	1.8	2.2
16	05	62.9	2.6	2.4	0.7	0.9	0.0	0.3	0.3	0.6	-0.5	-0.1
16	09	63.0	2.6	2.4	0.6	0.8	0.0	0.3	0.4	0.6	-0.4	0.0
17												
18												
19												
20												
21	01	82.0	0.8	0.8	1.5	2.5	1.6					
21	05	82.0	-1.2	-1.3	-0.5	0.3	-0.4					
21	09	82.0	-1.3	-1.4	-0.6	0.2	-0.5					

	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	
13												
14												
15												
16	13	63.0	2.7	2.5	0.9	1.1	0.0	0.3	0.4	0.7	-0.4	0.0
17												
18												
19												
20												
21	13	82.0	-1.3	-0.6	-0.5	-0.2	-0.5	-0.5				

PLAN 2 DRAFT PLAN - 14 SEP 88

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	36.3	2.56	1.58	157	A883	A884	A882	1
13													
14													
15													
16	04	63.5	3.3	2.9	5.9	4.6	5.6	4.3	0.8	1.0	1.8	1.8	3.1 2.8
16	08	63.5	3.4	2.8	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													
18													
19													
20													
21	04	82.0	-1.4	-1.5	-0.7	0.1	-0.6						
21	08	82.0	-1.9	-2.0	-1.2	-0.4	-0.6						
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	27.8	2.56	1.58	127	A883	A884	A882	2
13													
14													
15													
16	03	65.2	0.9	1.1	3.1	2.8	3.6	3.2	6.1	4.9	2.6	2.5	5.5 4.5
16	07	65.1	0.9	1.1	3.0	2.7	3.5	3.1	6.1	4.8	2.5	2.4	5.5 4.5
16	11	65.2	1.1	1.4	3.1	3.0	3.6	3.4	5.7	4.9	2.5	2.5	5.5 4.8
17													
18													
19													
20													
21	03	82.0	-1.2	-1.2	-0.4	0.3	-0.4						
21	07	82.0	-1.2	-1.3	-0.5	0.3	-0.4						
21	11	82.0	-0.3	-0.4	0.4	1.2	0.5						

PLAN 2 DRAFT PLAN - 14 SEP 88

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	38.0	2.60	1.74	124	A883	A884	A882	1
13													
14													
15													
16	15	64.9	5.5	6.3	11.0	11.3	12.0	12.1	7.8	8.6	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													
18													
19													
20													
21	01	82.0	9.9	11.1	11.5	9.3							
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	27.3	2.14	1.72	107	A883	A884	A882	2
13													
14													
15													
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	-1.2	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													
18													
19													
20													
21	04	82.0	0.6	1.8	2.2	0.0							
21	06	82.0	0.4	1.6	2.0	-0.1							
21	08	82.0	0.6	1.8	2.2	0.0							

PLAN 2 DRAFT PLAN - 14 SEP 88

DRB(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	
CHN16000 CHN 92.0 122.8 45.3 2.50 1.45 150 A883 A884 2													
13													
14		1		2		3		4		5		6	
15		122.5		115.6		122.5		134.8		128.3		116.8	
16	03	65.1	-0.5	0.0	6.3	5.6	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	
CHN16100 CHN 92.0 118.1 31.1 2.49 1.69 117 A883 A884 1													
13													
14		1		2		3		4		5		6	
15		116.0		120.2		123.8		114.0		115.4		122.6	
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							

PLAN 2 DRAFT PLAN - 14 SEP 88

DRB(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	
CHN16200 CHN 92.0 115.9 21.0 2.74 2.42 23 A883 A884 2													
13													
14		1		2		3		4		5		6	
15		110.0		107.6		112.5		125.0		119.0		118.4	
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	2.5	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	2.4	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	
CHN17000 CHN 92.0 119.5 33.0 1.34 0.64 155 A883 A884 1													
13													
14		1		2		3		4		5		6	
15		119.1		116.4		121.3		122.4		121.5		118.7	
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		M		K		K			
20		0		0		0		0		0			
21	12	82.0	3.4	3.9	3.4	3.7	3.2	3.2	2.7				

PLAN 2 DRAFT PLAN - 14 SEP 88

DRB(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	
13			1		2		3		4		5
14			116.1		114.9		116.1		119.2		119.6
15			29.8		33.1		34.6		32.6		31.1
16	10	64.2	2.9	3.4	4.0	4.3	4.9	5.1	4.2	4.5	3.9
17			116.1		114.9		116.1		119.2		118.1
18			29.8		33.1		34.6		32.6		29.3
19			K		K		K		K		N
20			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	
13			1	2	3	4					
14			120.9	118.8	118.0	119.6					
15			27.0	27.5	29.1	31.1					
16	14	64.3	2.7	3.5	2.3	3.1	2.4	3.2	3.9	4.7	3.3
											4.1
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	115.7 115.7	27.4 27.4	1.14 1.14	0.94 0.94	99 99	A883 A881	A884 A882	1 2	
13			1	2	3	4	5	6	7	8	
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	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 - 14 SEP 88

ORBS(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	
CMH17600	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		
13			1	2	3	4		5		6		
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
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	
13			1		2		3		4		5
14			109.2		109.5		116.0		116.0		113.6
15			29.1		33.2		31.0		29.6		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
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					
13		1	2	3	4	5	6							
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	65.6	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							

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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
		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		
13													
14													
15													
16													
17	64.2			-0.1	0.7	-0.2	0.6	-0.3	0.5	-1.3	-0.5	0.6	1.3
18													
19													
20													
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
		ETH09200	ETH	23.0	39.7	9.1	3.50	2.40	126	A883	A884	2	
				39.7	9.1	3.50	2.40	124	A881	A882	2		
13													
14													
15													
16													
17	63.4			3.0	4.0	3.4	4.4	7.4	8.4	3.0	4.0	9.6	10.6
18													
19													
20													
21	08			82.0	28.9	27.7	29.1	29.5	28.6	27.9	29.9	29.2	27.4
21	12			82.0	28.9	27.7	29.1	29.5	28.6	27.9	29.9	29.2	27.4
21	02			82.0	27.8	26.6	28.0	28.4	27.5	26.8	28.8	28.2	26.3
21	06			82.0	28.7	27.5	28.9	29.3	28.4	27.7	29.7	29.0	27.2
21	10			82.0	33.8	32.6	34.0	34.4	33.5	32.8	34.8	34.2	32.3

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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
		IND03700	IND	68.0	93.0	25.5	1.46	1.13	40	A883	A884	2	
				93.0	25.5	1.46	1.30	40	A881	A882	1		
13													
14													
15													
16													
17	64.0			1.8	-9.9	4.3	-9.8	1.7	-9.9	0.4	-10.0	-1.0	-10.1
18	14			64.1	4.1	2.2	5.8	3.0	2.8	1.5	2.1	1.1	3.8
19													
20													
21	06			82.0	-19.7	1.2	2.9	2.1	1.9	0.9	1.9		
21	14			82.0	-4.6	16.3	18.0	17.2	17.1	16.1	17.0		

		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	
				75.9	33.4	1.52	1.08	1.08	33	A881	A882	2	
13													
14													
15													
16													
17	64.3			0.7	0.2	6.2	3.3	4.5	2.5	5.2	2.8	7.7	3.8
18	23			64.4	8.1	4.5	11.1	5.4	6.5	3.9	7.1	4.2	11.3
19													
20													
21	03			82.0	-4.5	0.5	2.3	-2.8	-2.1	-2.0			
21	09			82.0	-3.6	1.5	3.3	-1.8	-1.2	-1.0			

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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
	IND03900	IND	56.0	72.7	11.2	1.26	0.60	107	A883	A884	1	
13												
14												
15												
16	05	63.2	8.2	-12.3	8.5	-12.3	8.7	-12.3				
16	13	63.3	8.1	-8.0	8.1	-8.0	7.1	-8.0				
17												
18												
19												
20												
21	05	82.0	-22.3	5.3	4.1	3.3						
21	13	82.0	-17.9	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	
13												
14												
15												
16	06	63.7	8.8	6.4	4.0	3.6	-0.6	-0.1	3.0	2.8	7.5	5.8
16	12	63.8	4.7	4.8	0.5	1.1	-1.1	-0.4	4.1	4.3	7.8	7.1
17												
18												
19												
20												
21	06	82.0	-0.9	-0.6	-0.4	-0.4	-0.4	0.1	-0.7			
21	12	82.0	1.9	2.5	2.5	2.5	3.0	2.2				

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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
	IND04100	IND	56.0	78.4	16.0	2.08	1.38	35	A883	A884	2	
13												
14												
15												
16	20	63.8	13.2	-8.5	5.1	-8.7	1.8	-8.8	13.6	-8.5	13.9	-8.5
16	22	63.8	13.4	-7.4	3.5	-7.7	1.9	-7.8	14.3	-7.4	15.0	-7.4
17												
18												
19												
20												
21	06	82.0	-18.5	1.0	0.4	0.3	0.9	0.6				
21	08	82.0	-17.4	2.1	1.5	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	
13												
14												
15												
16	18	63.8	1.8	0.8	2.6	1.3	4.4	2.2	1.2	0.4	-1.5	-1.6
16	24	63.9	1.6	0.7	2.4	1.2	3.6	1.8	1.4	0.5	-1.3	-1.4
17												
18												
19												
20												
21	04	82.0	-4.9	-0.7	-2.3	-0.8	-1.3	-0.9				
21	10	82.0	-4.9	-0.7	-2.4	-0.8	-1.3	-1.0				

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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
	IND04300	IND	56.0	77.8	11.1	1.36	1.28	172	A883	A884	1	
13												
14				77.5		2		3		4		5
15				8.1		12.8		13.5		10.2		9.1
16	07	63.4	5.6	-14.3	6.1	-14.3	5.8	-14.3	4.9	-14.3	3.8	-14.4
16	15	63.5	5.5	-7.5	6.2	-7.5	5.9	-7.5	5.0	-7.5	3.9	-7.6
17				77.3		77.5		74.8		80.3		79.5
18				29.0		8.1		12.8		13.5		10.2
19				K		N		N		N		N
20				0		0		0		0		0
21	07	82.0	-24.3	-0.8	-1.1	-0.9	-0.9	0.8	0.0	0.0		
21	01	82.0	-17.3	6.2	6.0	6.2	7.9	7.9	7.0			

	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	
13												
14				74.1		2		3		4		5
15				22.6		25.0		26.9		25.5		23.0
16	01	63.4	7.2	6.2	5.6	5.1	0.9	1.3	1.7	2.0	2.5	2.7
16	09	63.5	5.7	3.9	4.4	3.2	0.3	0.3	0.7	0.6	0.6	0.5
17				77.3		76.1		75.2		78.2		81.5
18				29.0		22.6		25.0		26.9		25.2
19				K		K		K		K		H
20				0		0		0		0		0
21	01	82.0	0.5	2.8	4.0	3.2	3.6	3.0	3.0	3.2		
21	09	82.0	-2.8	-0.6	0.6	-0.1	0.3	-0.3	-0.3	-0.1		

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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
	IND04500	IND	56.0	76.2	19.5	1.58	1.58	21	A883	A884	2	
13												
14				74.0		2		3		4		5
15				15.7		19.9		22.0		21.6		18.8
16	02	63.6	4.5	1.3	4.1	1.2	3.2	0.8	4.9	1.5	6.5	2.0
16	10	63.6	4.5	2.6	4.1	2.4	3.1	1.9	4.9	2.8	6.5	3.6
17				74.0		72.6		74.4		80.0		77.3
18				16.7		19.9		22.0		21.6		18.8
19				N		K		N		K		
20				0		0		0		0		0
21	02	82.0	4.1	3.8	4.1	3.5	3.3	3.3	-6.6			
21	10	82.0	6.5	6.2	6.5	5.9	5.7	-4.2				

	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	
13												
14												
15												
16	19	63.6	4.3	-10.8	1.0	-10.9	0.5	-11.0	4.6	-10.8	3.0	-10.8
16	21	63.7	4.6	-11.8	1.2	-11.9	0.6	-11.9	4.9	-11.8	3.3	-11.8
17												
18												
19												
20												
21	05	82.0	-20.7	2.4	1.5	4.1	3.4	2.6				
21	07	82.0	-21.7	1.4	0.5	3.1	2.4	1.5				

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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	
13				1	2	3	4					
14				93.8	94.2	93.8	92.2					
15				14.8	13.4	6.8	11.5					
16	03	63.5	6.1	-12.7	7.5	-12.7	10.3	-12.7	10.0	-12.7		
16	11	63.5	6.2	-2.7	7.7	-2.5	13.6	-2.3	10.6	-2.4		
17				77.3	93.8	94.2	93.8	92.2				
18				29.0	14.8	13.4	6.8	11.5				
19				K	P	P	P	N				
20				0	0	0	0	0				
21	03	82.0	-22.7	9.1	9.2	8.5	7.9					
21	11	82.0	-12.2	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	
13				1	2	3	4	5				
14				83.3	83.8	88.6	89.8	89.0				
15				25.2	27.4	28.2	26.7	25.3				
16	08	63.7	0.4	-9.5	0.1	-9.5	-2.7	-9.8	-2.8	-9.8	1.2	-9.4
16	16	65.5	4.0	-7.8	3.7	-7.8	-4.4	-9.0	-6.2	-9.6	-1.2	-8.3
17				77.3	83.3	83.8	88.6	89.8	89.0			
18				29.0	25.2	27.4	28.2	26.7	25.3			
19				K	K	K	H	K	N			
20				0	0	0	0	0	0			
21	08	82.0	-19.1	-2.1	-0.8	-3.9	-5.1	-2.1	-1.4			
21	02	82.0	-17.6	-0.6	0.6	-2.4	-3.6	-0.6	0.1			

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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
	IRN10900	IRN	34.0	54.2	32.4	3.82	1.82	149	A883	A884	2	
13				1	2	3	4	5				
14				60.2	61.5	61.1	48.2	46.1				
15				25.2	31.0	36.5	30.3	33.1				
16	03	62.8	7.3	8.1	6.7	7.5	7.8	8.6	11.6	12.1	12.2	12.7
16	07	62.8	7.3	8.2	6.7	7.6	7.7	8.6	11.6	12.4	12.2	13.0
16	11	62.9	7.3	8.3	6.8	7.8	7.6	8.6	11.7	12.6	12.5	13.4
17				48.0	44.6	56.5	61.2	61.8	63.3	61.4	55.1	48.2
18				39.7	39.8	38.2	36.6	31.3	27.1	25.1	25.9	30.3
19				K	K	C	E	E	E	C	E	K
20				0	0	0	0	0	0	0	0	0
21	03	82.0	13.3	12.5	13.0	12.1	13.9	13.1	12.7	13.1	13.4	13.3
21	07	82.0	16.9	16.1	16.6	15.7	17.5	16.7	16.3	16.7	16.9	16.9
21	11	82.0	20.7	20.0	20.5	19.6	21.4	20.6	20.2	20.6	20.8	20.8

	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	
13				1	2	3	4	5				
14				34.8	34.3	35.2	35.5	35.5				
15				29.5	31.2	33.2	32.4	32.4				
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	0	0	0	0				
21	11	82.0	28.7	30.4	29.0	30.3	30.9					
21	01	82.0	41.7	43.5	42.0	43.4	44.0					
21	05	82.0	41.7	43.5	42.0	43.3	43.9					

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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
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	6	7	8	9	10
14		40.3	60.0	32.5	30.3						35.0
15		-10.3	-16.0	-26.8	-15.0						-11.8
16	04	64.3	6.8	7.8	9.0	10.0	4.2	5.2	4.3	5.3	5.7
16	08	66.2	6.8	7.8	8.9	9.9	4.2	5.2	4.2	5.2	5.7
16	12	66.3	6.8	7.8	9.0	10.0	4.2	5.2	4.3	5.3	5.7
16	16	66.4	6.8	7.8	9.0	10.0	4.2	5.2	4.2	5.2	5.7
16	20	64.4	6.8	7.8	8.4	9.4	3.6	4.6	3.9	4.9	5.7
17		60.3	40.0	32.5	30.3						35.0
18		-10.3	-16.0	-26.8	-15.0						-11.8
19		J	N	J	J						
20		0	0	0	0						
21	04	82.0	44.7	45.2	44.4	44.1					
21	08	82.0	35.4	35.9	35.1	34.8					
21	12	82.0	35.6	36.1	35.3	35.0					
21	02	82.0	35.5	35.9	35.1	34.9					
21	06	82.0	35.4	35.9	35.0	34.8					

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	7	8	9	10
14		-13.0	-9.0	-1.2	-1.0						-15.0
15		23.0	26.0	32.2	35.0						26.0
16	21	63.3	6.7	7.6	7.9	8.8	5.5	6.4	6.4	7.3	9.4
16	25	63.3	5.8	6.7	5.8	6.7	3.8	4.8	7.6	8.5	8.8
16	29	63.4	5.8	6.8	5.8	6.8	3.8	4.8	7.6	8.6	8.8
16	33	63.4	5.8	6.8	5.8	6.8	3.8	4.8	7.6	8.6	8.8
16	37	63.5	5.3	6.3	4.9	5.9	2.4	3.4	5.4	6.4	7.5
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	15.6	16.6	15.6	17.1	17.1	16.8	16.2	17.0	17.4
21	11	82.0	15.5	16.6	15.6	17.0	17.0	16.8	16.1	17.0	15.4
21	01	82.0	35.6	36.7	35.7	37.1	37.1	36.9	36.2	37.0	37.4
21	05	82.0	35.6	36.7	35.7	37.1	37.1	36.9	36.2	37.0	37.4
21	09	82.0	53.0	54.1	53.0	54.5	54.5	54.3	53.6	54.4	52.9

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ORB(2)

PAG. 18

MARGE DE 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	
13		1	2	3	4	5	6	7	8	9	10
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	8.0
16	06	64.0	4.7	5.6	1.8	2.8	4.3	5.2	5.4	6.3	8.8
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					
20		0	0	0	0	0					
21	02	82.0	13.5	12.6	13.9	14.2	14.6	14.6	14.2		
21	06	82.0	13.5	12.6	13.9	14.1	14.6	14.6	14.2		

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	
13		1	2	3	4	5	6	7	8	9	10
14		75.2	70.1	72.3	73.7	71.8	70.4				70.4
15		32.2	27.8	33.7	33.9	28.0	31.3				31.3
16	12	63.5	-0.1	0.9	0.1	1.1	-1.4	-0.4	-0.6	0.4	1.6
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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PLAN 2 DRAFT PLAN - 14 SEP 88

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
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			
13			1		2		3		4		5	
14			70.3		79.8		79.1		75.1		72.8	
15			31.2		35.6		32.7		37.2		36.7	
16	04	64.3	3.0	3.9	4.7	5.6	2.5	3.5	6.9	7.8	6.7	7.6
16	08	64.3	3.0	4.0	4.8	5.7	2.5	3.5	7.0	7.9	6.8	7.7
17			70.3		79.8		75.1		72.8		70.0	
18			31.2		35.6		37.2		36.7		34.0	
19			E		C		E		C			
20			0		0		0		0			
21	04	82.0	13.0	13.6	13.3	13.0	13.0	13.6				
21	08	82.0	15.1	15.7	15.3	15.1	15.4					

	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			
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	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			
20			0		0		0		0			
21	02	82.0	40.6	40.9	40.0	40.7	40.9					
21	06	82.0	39.9	40.3	39.4	40.0	40.0					
21	10	82.0	40.8	41.1	40.2	40.9	41.1					
21	14	82.0	41.5	41.8	40.9	41.6	41.8					

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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
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	1			
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			
20			0		0		0		0			
21	04	82.0	43.6	43.7	44.5	43.4	44.5					
21	08	82.0	43.4	43.5	44.3	43.3	44.3					
21	12	82.0	45.1	45.2	45.9	44.9	45.9					

	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	A881	A882	1			
13			1		2		3		4		5	
14			51.1		52.3		50.8		50.7			
15			26.2		24.8		24.7		25.3			
16	01	61.8	3.5	4.5	1.7	2.7	3.0	4.0	4.0	5.0		
16	05	61.8	2.4	3.4	0.9	1.9	2.1	3.1	3.0	4.0		
16	09	61.9	2.4	3.4	0.9	1.9	2.1	3.1	3.0	4.0		
16	13	62.0	2.5	3.5	1.0	2.0	2.1	3.1	3.0	4.0		
16	17	62.0	2.5	3.5	1.0	2.0	2.1	3.1	3.0	4.0		
17			51.1		52.3		50.8		50.7			
18			26.2		24.8		24.7		25.3			
19			C		C		A		A			
20			0		0		0		0			
21	01	82.0	44.5	43.2	45.6	46.6						
21	05	82.0	44.4	43.1	45.5	46.5						
21	09	82.0	43.7	42.5	44.9	45.9						
21	13	82.0	46.6	45.3	47.7	48.8						
21	03	82.0	15.4	14.1	16.5	17.5						

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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
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			
13												
14												
15												
17												
18												
19												
20												
21	07	82.0	19.3	18.1	18.6	17.0	18.5	18.5	18.1	18.8	17.4	17.1
	11	82.0	19.3	18.1	18.6	17.0	18.5	18.5	18.1	18.8	17.4	17.1

	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			
13												
14												
15												
16	03	63.6	3.5	4.5	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4
16	07	63.6	3.4	4.4	3.5	4.5	1.6	2.6	-0.9	0.1	-0.6	0.4
16	11	63.7	10.9	11.9	10.8	11.8	10.5	11.5	5.3	6.3	10.6	11.6
16	15	63.7	6.8	7.8	6.7	7.7	5.7	6.7	1.6	2.6	4.5	5.5
17												
18												
19												
20												
21	02	82.0	40.8	40.8	38.7	34.5	35.5	33.7				
21	06	82.0	38.6	38.6	36.5	32.3	33.3	31.5				
21	10	82.0	39.3	39.3	37.3	33.1	34.0	32.2				
21	14	82.0	41.3	41.3	39.2	35.0	36.0	34.1				

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PLAN 3 DRAFT PLAN - 14 SEP 88

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 35.5 1.32 1.13 53 A883 A884 1											
13													
14													
15													
16	03	62.8	2.8	3.5	4.2	4.9	1.9	2.7	1.9	2.7	0.5	1.3	0.6 1.4
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	5.2	2.1	2.9	2.5	3.3	1.1	1.9	1.3 2.1
17													
18													
19													
20													
21	03	84.0	8.0	6.4	6.5	6.6	6.0	6.6					
21	07	84.0	8.4	6.8	6.9	7.0	6.3	7.0					
21	11	84.0	8.0	6.4	6.5	6.6	5.9	6.6					
21	15	84.0	8.3	6.8	6.9	6.9	6.3	7.0					

		1	2	3	4	5	6	7	8	9	10	11	12
		AFG24600 AFG 50.0 64.5 33.1 1.44 1.40 21 A883 A884 1											
13													
14													
15													
16	01	63.4	-0.1	0.6	0.0	0.7	2.8	3.3	5.1	5.3	7.6	7.2	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	7.9	7.1 7.6
16	09	63.4	-0.3	0.6	-0.1	0.8	2.8	3.6	5.0	5.6	7.5	7.9	7.1 7.5
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													
18													
19													
20													
21	01	84.0	4.9	3.3	3.6	3.5	2.8	3.5					
21	05	84.0	9.2	7.6	7.7	7.8	7.1	7.8					
21	09	84.0	8.7	7.1	7.2	7.3	6.7	7.3					
21	13	84.0	8.7	7.1	7.2	7.3	6.7	7.3					

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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 -12.0 3.09 2.26 84 A883 A884 1											
13													
14													
15													
16	23	64.1	12.8	-7.3	6.9	-7.4	10.0	-7.4	8.8	-7.4	12.6	-7.3	
16	27	64.2	13.0	9.3	7.0	6.3	10.0	8.0	8.9	7.6	12.6	9.2	
16	31	64.2	13.0	9.3	7.0	6.3	10.0	8.0	8.9	7.6	12.6	9.2	
16	35	64.3	13.0	9.3	7.0	6.3	10.0	8.0	8.9	7.4	12.6	9.2	
16	39	64.4	13.0	9.3	6.9	6.2	10.0	8.0	8.8	7.4	12.6	9.2	
17													
18													
19													
20													
21	23	84.0	-16.9	-16.3	-16.6	-17.3	-17.3	-17.1					
21	27	84.0	1.5	2.2	1.9	1.1	1.1	1.3					
21	31	84.0	1.5	2.2	1.9	1.1	1.1	1.3					
21	35	84.0	1.5	2.2	1.9	1.1	1.1	1.3					
21	39	84.0	1.5	2.2	1.9	1.1	1.1	1.3					

		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											
13													
14													
15													
16	22	63.8	-1.9	-1.2	-0.1	0.5	0.7	1.2	-0.5	0.1	0.2	0.7	-0.1 0.5
16	26	63.8	-1.9	-1.2	-0.1	0.5	0.8	1.3	-0.5	0.1	0.2	0.7	-0.1 0.5
16	30	63.9	-1.9	-1.2	-0.1	0.5	0.8	1.3	-0.5	0.1	0.2	0.7	-0.1 0.5
16	34	63.9	-1.9	-1.2	-0.1	0.5	0.8	1.3	-0.5	0.1	0.2	0.7	-0.1 0.5
16	38	64.0	-2.3	-1.6	-0.5	0.1	0.1	0.6	-1.3	-0.6	-0.3	0.3	-0.5 0.1
17													
18													
19													
20													
21	22	84.0	0.7	0.7	0.7	1.1	0.7	1.0					
21	26	84.0	0.7	0.7	0.7	1.1	0.7	1.0					
21	30	84.0	0.7	0.7	0.7	1.1	0.7	1.0					
21	34	84.0	0.7	0.7	0.7	1.1	0.7	1.0					
21	38	84.0	0.7	0.7	0.7	1.1	0.7	1.0					

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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
	ALG25100	ALG	-25.0	4.2	33.2	2.45	1.25	172	A883	A884	1	
13												
14												
15												
16	02	63.4	3.6	3.3	3.7	3.4	4.2	3.7	2.2	2.2	3.7	3.4
16	06	63.4	3.7	3.4	3.7	3.4	4.3	3.8	2.2	2.2	3.8	3.4
16	10	63.5	3.7	3.4	3.7	3.4	4.3	3.8	2.2	2.2	3.8	3.4
16	14	63.6	3.7	3.4	3.7	3.4	4.3	3.8	2.3	2.3	3.8	3.4
16	18	63.6	3.7	3.4	3.7	3.4	4.3	3.8	2.2	2.2	3.8	3.4
17												
18												
19												
20												
21	02	84.0	-0.4	-0.6	0.0	-0.9	-0.5	-0.7	-0.2	-0.3	1.2	0.5
21	06	84.0	-0.4	-0.6	0.0	-0.9	-0.5	-0.7	-0.2	-0.3	1.2	0.5
21	10	84.0	-0.4	-0.6	0.0	-0.9	-0.5	-0.7	-0.2	-0.3	1.2	0.5
21	14	84.0	-0.4	-0.6	0.0	-0.9	-0.5	-0.7	-0.2	-0.3	1.2	0.5
21	18	84.0	-0.4	-0.6	0.0	-0.9	-0.5	-0.7	-0.1	-0.3	1.2	0.5

	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	
13												
14												
15												
16	04	62.8	3.6	3.2	3.8	3.4	5.4	4.5	11.0	7.2	10.4	7.0
16	08	62.8	3.7	3.3	3.8	3.4	5.4	4.5	11.0	7.2	10.4	7.0
16	12	62.9	3.7	3.3	3.8	3.4	5.4	4.5	11.0	7.2	10.5	7.1
16	16	63.0	3.7	3.3	3.8	3.4	5.4	4.5	11.1	7.3	10.5	7.1
16	20	63.0	4.2	-13.1	4.7	-13.1	4.9	-13.1	10.3	-13.0	7.3	-13.1
17												
18												
19												
20												
21	04	84.0	-0.6	-0.8	-0.2	-1.1	-0.7	-0.8	-0.3	-0.5	1.0	0.3
21	08	84.0	-0.6	-0.8	-0.2	-1.1	-0.7	-0.8	-0.3	-0.5	1.0	0.3
21	12	84.0	-0.6	-0.8	-0.2	-1.0	-0.7	-0.8	-0.3	-0.5	1.0	0.3
21	16	84.0	-0.6	-0.8	-0.2	-1.0	-0.7	-0.8	-0.3	-0.5	1.0	0.3
21	20	84.0	-22.5	-22.8	-22.1	-23.0	-22.6	-22.8	-22.3	-22.4	-20.9	-21.7

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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	23.8	3.52	1.68	134	A883	A884	2	
13												
14												
15												
16	04	62.6	-0.2	0.7	3.0	3.8	4.3	5.1	-0.1	0.8	4.1	4.9
16	08	62.7	-0.2	0.7	3.0	3.8	4.3	5.1	-0.1	0.8	4.2	5.0
16	12	62.7	-0.2	0.7	3.0	3.8	4.4	5.2	-0.1	0.8	4.2	5.0
16	16	62.8	-0.2	0.7	3.0	3.8	4.4	5.2	-0.1	0.8	4.2	5.0
16	20	62.8	-0.2	0.5	3.0	3.4	4.6	4.8	-0.3	0.4	8.0	7.4
17												
18												
19												
20												
21	04	84.0	10.0	8.6	9.0	8.6	9.4	9.7	8.5	8.8	9.1	8.6
21	08	84.0	10.0	8.6	9.0	8.6	9.3	9.7	8.5	8.8	9.0	8.6
21	12	84.0	9.8	8.4	8.8	8.4	9.2	9.5	8.4	8.6	8.9	8.4
21	16	84.0	9.9	8.6	9.0	8.6	9.3	9.6	8.5	8.8	9.0	8.6
21	20	84.0	4.1	2.7	3.1	2.7	3.5	3.8	2.6	2.9	3.2	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	
13												
14												
15												
16	02	62.8	8.8	8.2	11.0	9.6	2.6	3.2	1.6	2.2	3.6	4.1
16	06	62.9	8.8	8.2	11.0	9.6	2.6	3.2	1.6	2.2	3.6	4.1
16	10	62.9	8.9	8.3	11.1	9.6	2.7	3.2	1.6	2.2	3.6	4.1
16	14	63.0	9.0	8.3	11.3	9.8	2.7	3.2	1.8	2.4	6.7	6.6
16	18	63.0	8.9	8.2	11.1	9.6	3.9	4.3	1.8	2.4	4.9	5.2
17												
18												
19												
20												
21	02	84.0	4.7	3.3	3.7	3.3	4.1	4.4	3.3	3.5	3.8	3.3
21	06	84.0	4.7	3.3	3.7	3.3	4.1	4.4	3.3	3.5	3.8	3.3
21	10	84.0	4.7	3.3	3.7	3.3	4.1	4.4	3.3	3.5	3.8	3.3
21	14	84.0	4.7	3.3	3.7	3.3	4.1	4.4	3.3	3.5	3.8	3.3
21	18	84.0	4.6	3.3	3.7	3.3	4.0	4.4	3.2	3.5	3.7	3.3

PLAN 3 DRAFT PLAN - 14 SEP 88

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	
	ARS34000	ARS	17.0	52.3	24.8	2.68	0.70	143	A883	A884	1	12
13			1	2	3	4	5	6	7	8	9	
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	1.4	7.5	5.8	4.7	4.1	5.1	4.3	4.9	4.2
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	E	C	C	C	C	C	C	C
20			0	0	0	0	0	0	0	0	0	0
21	23	84.0	0.5	-0.9	-0.5	-0.9	-0.1	0.2	-0.9	-0.7	-0.4	-0.9

	1	2	3	4	5	6	7	8	9	10	11	
	AUS00400	AUS	98.0	121.8	-24.9	3.60	1.90	54	A883	A884	2	12
13			1	2	3	4	5	6	7	8	9	
14			124.5	116.7	114.6	115.9	126.6	128.3				
15			-15.5	-20.7	-28.8	-32.0	-31.0					
16	03	63.0	9.7	10.0	11.9	11.8	12.3	12.1	12.5	12.2	7.3	7.9
16	07	63.1	9.7	10.0	11.9	11.8	12.3	12.1	12.5	12.2	7.3	7.9
16	11	63.1	9.8	10.1	12.0	11.8	12.3	12.1	12.6	12.3	7.3	7.9
16	15	63.2	1.7	2.5	8.6	8.6	9.0	8.9	9.2	9.0	5.9	6.3
16	19	63.2	-1.2	-0.4	6.4	6.4	7.2	7.1	7.4	7.2	4.8	5.1
16	23	63.3	-1.1	-0.2	6.7	7.0	7.4	7.6	7.6	7.8	5.0	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	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	9.9	11.2
21	07	87.0	8.3	8.6	8.7	9.1	8.1	9.9	8.9	8.7	9.9	11.2
21	11	87.0	8.3	8.6	8.8	9.1	8.1	9.9	8.9	8.8	9.9	11.2
21	15	87.0	5.5	5.8	5.9	6.3	5.3	7.1	6.1	5.9	7.1	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

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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	
	AUS00500	AUS	98.0	133.5	-18.8	2.70	1.40	76	A883	A884	2	12
13			1	2	3	4	5	6	7	8	9	
14			130.8	131.7	137.9	129.0	135.6	137.7				
15			-12.5	-25.3	-17.2	-16.5	-12.0					
16	01	64.3	1.8	2.7	5.9	6.6	9.5	8.8	3.2	4.0	6.0	8.1
16	05	64.4	1.8	2.7	5.9	6.6	9.5	9.8	3.2	4.0	5.9	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
16	13	64.4	1.7	2.6	5.8	6.5	9.4	9.7	3.1	3.9	5.9	6.6
16	17	64.5	-1.6	-0.7	5.3	5.8	8.2	8.2	2.7	3.4	2.4	3.1
16	21	64.5	-1.7	-0.8	5.3	5.8	8.1	8.2	2.6	3.3	2.3	3.0
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	
	AUS00600	AUS	98.0	135.4	-30.3	2.00	1.40	44	A883	A884	1	12
13			1	2	3	4	5	6	7	8	9	
14			141.0	140.9	138.6	133.2	129.5	140.8				
15			-32.1	-35.3	-34.9	-26.6	-30.7					
16	02	63.2	4.5	5.5	5.5	6.5	7.0	8.0	4.4	5.4	5.7	6.7
16	06	63.3	4.6	5.6	5.5	6.5	7.0	8.0	4.4	5.4	5.8	6.8
16	10	63.3	4.7	5.7	5.7	6.7	7.3	8.3	4.6	5.6	6.0	7.0
16	14	63.4	4.8	5.8	5.8	6.8	7.3	8.3	4.6	5.6	6.0	7.0
16	18	63.4	-0.9	0.1	-1.7	-0.7	-0.7	0.3	-0.9	0.1	-1.1	-0.1
16	22	63.5	-0.9	0.1	-1.8	-0.8	-0.7	0.3	-0.9	0.1	-1.1	-0.1
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	20.0	20.3	20.5	20.8	19.8	21.6	20.6	20.5	21.6	22.9
21	30	87.0	20.0	20.3	20.5	20.8	19.8	21.6	20.6	20.5	21.6	22.9

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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
AUS00700	AUS	128.0	145.0	-38.1	1.83	1.39	134	A883	A884	2	
			133.6	-24.4	6.75	5.90	172	A887	A885	1	
13		1	2	3	4	5	6	7	8	9	10
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	1.8	2.8	1.9	2.9	3.0	4.0	1.3	2.3	3.2
16	08	63.4	1.9	2.9	2.0	3.0	3.0	4.0	1.3	2.3	3.3
16	12	63.4	1.8	2.7	1.9	2.8	2.8	3.7	1.1	2.0	3.1
16	16	63.5	6.7	7.4	8.1	8.6	9.9	10.2	5.8	6.5	7.7
16	20	63.5	6.6	7.3	8.0	8.5	9.8	10.1	5.8	6.5	7.6
16	24	63.6	7.0	8.0	8.5	9.5	11.7	12.7	6.6	7.6	8.0
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	27.6	27.8	27.9	28.3	27.1	29.1	27.5	27.4	28.9
21	08	87.0	27.6	27.8	27.9	28.3	27.1	29.1	27.6	27.4	28.9
21	12	87.0	9.0	9.2	9.3	9.8	8.6	10.6	9.0	8.8	10.3
21	16	87.0	9.0	9.2	9.3	9.8	8.6	10.6	9.0	8.8	10.3
21	20	87.0	9.0	9.2	9.3	9.7	8.5	10.5	8.9	8.8	10.3
21	24	87.0	28.2	28.4	28.5	28.9	27.8	29.8	28.2	28.0	29.5
											31.0

1	2	3	4	5	6	7	8	9	10	11	12
AUS00800	AUS	128.0	145.9	-21.5	2.90	2.00	120	A883	A884	2	
			133.7	-24.4	6.78	5.90	172	A887	A885	1	
13		1	2	3	4	5	6	7	8	9	10
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	7.2	8.2	4.1	5.1	2.8	3.8	3.1	4.1	10.3
16	06	63.7	7.2	8.2	4.1	5.1	2.8	3.8	3.0	4.0	10.3
16	10	63.8	7.3	8.3	4.2	5.2	2.8	3.8	3.1	4.1	10.4
16	14	63.9	7.0	7.6	4.1	4.9	2.7	3.6	3.0	3.8	10.0
16	18	63.9	7.3	7.9	8.3	8.8	2.7	3.6	3.0	3.8	11.3
16	22	64.0	7.3	7.9	8.5	9.0	2.7	3.6	3.0	3.9	11.4
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	20.2	20.4	20.5	20.9	19.8	21.7	20.1	20.0	21.5
21	06	87.0	20.2	20.4	20.5	20.9	19.8	21.7	20.1	20.0	21.5
21	10	87.0	20.7	21.0	21.1	21.5	20.3	22.3	20.7	20.5	22.0
21	14	87.0	8.7	9.0	9.1	9.5	8.3	10.3	8.7	8.6	10.0
21	18	87.0	8.7	9.2	9.3	9.7	8.5	10.5	8.9	8.7	10.2
21	22	87.0	9.0	9.2	9.3	9.7	8.6	10.5	8.9	8.8	10.7

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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
AUS00900	AUS	128.0	147.2	-32.0	2.10	1.40	15	A883	A884	1	
			133.7	-24.4	6.78	5.90	172	A887	A885	2	
13		1	2	3	4	5	6	7	8	9	10
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	5.4	6.4	5.8	6.8	3.7
16	07	64.1	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.6
16	11	64.2	4.3	5.3	4.0	5.0	5.4	6.4	5.8	6.8	3.6
16	15	64.2	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.5
16	19	64.3	5.1	6.1	4.8	5.8	6.3	7.3	6.5	7.5	4.3
16	23	64.3	5.1	6.1	4.8	5.8	6.4	7.4	6.6	7.6	4.3
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
21	32	87.0	20.4	20.7	20.8	21.2	20.0	22.0	20.4	20.2	21.7
21	36	87.0	20.5	20.7	20.8	21.2	20.0	22.0	20.4	20.3	21.7
21	40	87.0	20.5	20.7	20.8	21.2	20.0	22.0	20.4	20.3	21.7
21	26	87.0	19.8	20.1	20.2	20.6	19.4	21.4	19.8	19.6	21.1
21	30	87.0	19.8	20.1	20.2	20.6	19.4	21.4	19.8	19.6	21.1

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	
13		1	2	3	4	5	6	7	8	9	10
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	0.1	0.2	1.4	1.3	0.1	0.2	1.2
16	08	64.2	0.1	0.2	0.2	0.3	1.5	1.3	0.1	0.2	1.1
16	12	64.2	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.6
16	16	64.3	0.6	0.6	1.1	1.0	2.3	1.9	0.5	0.5	1.6
16	20	64.3	0.8	0.9	1.3	1.3	2.5	2.2	0.7	0.8	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	H	K	K	H	H	H	K	H	H
20		0	0	0	0	0	0	0	0	0	0
21	06	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8
21	08	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8
21	12	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8
21	16	84.0	-0.4	-2.4	-2.0	-1.1	-2.0	-1.3	-0.6	-0.3	-1.8
21	20	84.0	0.1	-1.8	-1.4	-0.6	-1.5	-0.6	-0.1	0.3	-1.2

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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
		BDI27000	BDI	11.0	29.9	-3.1	0.71	0.60	80	A883	A884	2	
13													
14													
15													
16	22	63.4	3.8	3.7	3.3	3.3	3.3	3.3	3.3	3.6	3.5		
16	26	63.4	3.8	3.7	3.3	3.3	3.3	3.3	3.3	3.6	3.5		
16	30	63.5	3.8	3.7	3.3	3.3	3.3	3.3	3.3	3.6	3.5		
16	34	63.5	3.8	3.7	3.3	3.3	3.3	3.3	3.3	3.6	3.5		
16	38	63.6	3.3	3.5	2.8	2.9	2.8	2.9	3.3	3.3	3.3		
17													
18													
19													
20													
21	22	84.0	0.7	1.7	0.0								
21	26	84.0	0.7	1.7	0.0								
21	30	84.0	0.7	1.7	0.0								
21	34	84.0	0.7	1.7	0.0								
21	38	84.0	0.8	1.7	0.1								

		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	
13													
14													
15													
16	21	64.2	4.6	4.7	4.6	4.7	3.6	3.9	2.5	3.0	0.5	1.1	0.9 1.5
16	25	64.1	1.4	1.7	1.6	1.9	1.2	1.5	0.5	0.9	-1.0	-0.6	-0.7 -0.1
16	29	63.5	0.8	1.2	0.9	1.3	0.5	0.9	-0.1	0.4	-1.6	-1.0	-1.3 -0.7
16	33	63.9	1.1	1.4	1.3	1.6	0.9	1.3	0.2	0.7	-1.3	-0.7	-1.0 -0.4
16	37	64.4	1.5	1.8	1.7	2.0	1.3	1.6	0.6	1.0	-0.8	-0.2	-0.5 0.0
17													
18													
19													
20													
21	21	84.0	2.2	2.8	3.2	3.4	2.7	2.7	2.4				
21	25	84.0	0.0	0.6	1.0	1.3	0.6	0.6	0.3				
21	29	84.0	0.0	0.6	1.0	1.3	0.6	0.6	0.3				
21	33	84.0	0.0	0.7	1.0	1.3	0.6	0.6	0.3				
21	37	84.0	0.0	0.6	1.0	1.3	0.6	0.6	0.3				

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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
		BEN23300	BEN	-19.0	2.2	9.5	1.44	0.68	97	A883	A884	2	
13													
14													
15													
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													
18													
19													
20													
21	03	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2	-0.2				
21	07	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2	-0.2				
21	11	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2	-0.2				
21	15	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2	-0.2				
21	19	84.0	-0.5	0.7	2.7	-0.6	-0.2	-0.2	-0.2				

		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	
13													
14													
15													
16	21	64.0	0.7	0.7	4.6	3.4	3.8	2.9	4.6	3.4	2.3	1.9	-0.3 -0.1
16	25	64.0	2.4	1.9	7.1	4.6	5.8	3.9	7.1	4.6	3.8	2.8	1.7 1.4
16	29	64.1	2.4	1.9	7.1	4.6	5.8	3.9	7.1	4.6	3.8	2.8	1.7 1.4
16	33	64.1	2.4	1.9	7.1	4.6	5.8	3.9	7.1	4.6	3.8	2.8	1.7 1.4
16	37	64.2	2.4	1.9	7.1	4.6	5.8	3.9	7.1	4.6	3.8	2.8	1.7 1.4
17													
18													
19													
20													
21	21	84.0	-2.3	0.9	-2.1	-2.2	-2.5	-5.5					
21	25	84.0	-2.6	0.6	-2.3	-2.4	-2.8						
21	29	84.0	-2.6	0.6	-2.4	-2.4	-2.9						
21	33	84.0	-2.6	0.6	-2.4	-2.4	-2.9						
21	37	84.0	-2.6	0.6	-2.4	-2.4	-2.9						

PLAN 3 DRAFT PLAN - 14 SEP 88

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		
13			1	2	3	4	5	6	7	8	9	12
14			89.8	88.0	88.0	89.0	89.0	92.5				
15			26.0	27.0	24.0	24.0	22.0	21.5				
16	15	63.7	6.9	4.9	5.5	4.1	6.8	4.8	5.8	4.3	-2.3	-1.8
16	18	63.7	0.0	0.9	-1.9	-1.0	-1.5	-0.6	-1.6	-0.7	0.7	1.5
16	20	63.7	0.3	0.5	-1.6	-1.1	-1.5	-1.0	-1.6	-1.1	0.7	0.8
16	22	63.8	0.6	0.3	-1.3	-1.2	-1.4	-1.3	-1.6	-1.4	0.7	0.4
16	24	63.8	0.3	0.1	-1.4	-1.3	-0.9	-0.9	-0.8	-0.8	0.2	0.0
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	8.1	6.4	7.9	6.9	8.0	5.6				
21	18	84.0	0.8	-0.9	0.6	-0.5	0.7	-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		
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									

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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		
13			1	2	3	4	5	6				
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	5.1	2.4	3.5	1.6	5.8	2.7	8.0	3.4	8.2	3.5
16	06	63.8	5.1	2.4	3.5	1.6	5.8	2.7	7.9	3.4	8.2	3.5
16	10	63.9	5.1	2.4	3.5	1.6	5.8	2.7	7.9	3.4	8.2	3.5
16	14	63.9	5.2	2.4	3.5	1.6	5.8	2.7	8.0	3.4	8.3	3.5
16	18	64.0	5.1	2.4	3.5	1.6	5.8	2.7	7.9	3.4	8.2	3.5
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	C	C	C				
20			0	0	0	0	0	0				
21	02	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-3.1				
21	06	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-3.1				
21	10	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-3.1				
21	14	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-3.1				
21	18	84.0	-5.1	-4.8	-5.2	-4.5	-5.2	-3.1				

	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	1		
13			1	2	3	4	5	6				
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	6.2	5.4	9.5	7.3	2.1	2.3	1.2	1.5	3.7	3.6
16	19	63.9	2.8	2.5	7.6	5.5	1.8	1.7	1.0	1.1	2.1	2.0
16	21	63.9	4.2	3.7	8.3	6.1	1.9	1.9	1.1	1.3	3.9	3.5
16	23	64.0	4.0	3.7	8.3	6.5	1.9	2.1	1.1	1.4	3.6	3.4
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	K	P	P				
20			0	0	0	0	0	0				
21	17	84.0	0.8	3.1	1.5	0.9	1.3	0.1				
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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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
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		
13												
14												
15												
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												
18												
19												
20												
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
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		
13												
14												
15												
16	04	63.6	-1.0	-0.8	-2.2	-1.8	-0.5	-0.3	-2.3	-1.9	-1.8	-1.4
16	08	63.7	-0.9	-0.7	-2.1	-1.7	-0.5	-0.3	-2.2	-1.8	-1.8	-1.4
16	12	63.8	-0.9	-0.7	-2.1	-1.7	-0.5	-0.3	-2.2	-1.8	-1.8	-1.4
16	16	63.8	-0.9	-0.7	-2.1	-1.7	-0.5	-0.3	-2.2	-1.8	-1.8	-1.4
16	20	63.9	-1.8	-1.3	-1.2	-0.8	-1.3	-0.9	-1.6	-1.1	-2.2	-1.7
17												
18												
19												
20												
21	04	84.0	0.6	-2.1	-0.1	-2.8	-0.7					
21	08	84.0	0.6	-2.1	-0.1	-2.8	-0.7					
21	12	84.0	0.6	-2.1	0.0	-2.8	-0.7					
21	16	84.0	0.6	-2.1	0.0	-2.8	-0.7					
21	20	84.0	1.6	-1.1	0.9	-1.8	0.3					

PLAN 3 DRAFT PLAN - 14 SEP 88

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
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		
13												
14												
15												
16	24	64.3	3.4	3.7	4.6	4.8	7.8	7.2	2.8	3.2	0.6	1.1
16	28	64.3	3.4	3.8	6.7	4.9	7.8	7.3	2.8	3.3	0.6	1.1
16	32	64.4	3.4	3.8	4.7	4.9	7.8	7.3	2.9	3.4	0.6	1.1
16	36	64.4	3.4	3.8	4.7	4.9	7.8	7.3	2.9	3.4	0.6	1.1
16	40	64.5	3.6	4.2	4.8	5.3	8.1	8.1	3.1	3.7	0.6	1.4
17												
18												
19												
20												
21	24	84.0	2.8	2.9	2.9	2.3	2.7	2.9				
21	28	84.0	3.3	3.4	3.4	2.8	3.2	3.4				
21	32	84.0	3.3	3.4	3.4	2.8	3.2	3.4				
21	36	84.0	3.3	3.4	3.4	2.8	3.2	3.4				
21	40	84.0	5.3	5.4	5.4	4.8	5.2	5.4				

	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		
13												
14												
15												
16	18	64.3	1.6	2.3	1.9	2.5	2.2	2.8	2.2	2.8	2.3	2.9
16	20	64.3	1.6	0.7	1.9	0.9	2.2	1.0	2.2	1.0	2.2	1.0
16	22	64.3	1.7	0.5	2.0	0.7	2.2	0.8	2.3	0.9	2.3	0.9
16	24	64.3	2.3	2.9	2.8	3.4	3.1	3.6	3.3	3.8	3.2	3.7
17												
18												
19												
20												
21	18	84.0	3.6	4.2	5.3	5.2	4.4	4.7				
21	20	84.0	-4.9	-4.2	-3.2	-3.3	-4.1	-3.8				
21	22	84.0	-5.4	-4.8	-3.8	-3.8	-4.6	-4.3				
21	24	84.0	3.6	4.2	5.3	5.2	4.4	4.7				

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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	
CHN15400 CHN 62.0 83.9 40.5 2.75 2.05 177 A883 A884 1													
13													12
14													
15													
16	02	63.2	0.6	0.6	5.5	4.0	6.6	4.6	4.2	3.5	-0.5	-0.3	1.6 1.4
16	06	63.3	0.6	0.6	5.5	4.7	6.6	5.4	4.2	3.8	-0.5	0.0	1.7 1.8
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	-0.6	-0.7	0.1	0.8	0.2						
21	10	84.0	-2.3	-2.3	-1.5	-0.8	-1.5						

		1	2	3	4	5	6	7	8	9	10	11	
CHN15401 CHN 62.0 83.9 40.5 2.75 2.05 177 A883 A884 1													12
13													
14													
15													
16	14	63.4	5.2	5.2	11.3	9.1	12.0	9.5	10.6	8.8	2.5	2.9	6.2 6.0
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	2.2	3.2	2.0	2.1	2.7	2.4					

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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	
CHN15500 CHN 62.0 88.3 31.5 3.38 1.45 162 A883 A884 2													12
13													
14													
15													
16	01	62.9	5.6	5.3	1.8	2.2	0.7	1.2	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	0.6	0.3	0.6	-0.5	-0.1	0.3 0.6
16	09	63.0	2.6	2.5	0.6	0.9	0.0	0.4	0.4	0.7	-0.4	0.0	0.3 0.6
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	1.2	1.1	1.9	2.7	2.0						
21	05	84.0	-0.9	-1.0	-0.2	0.6	-0.1						
21	09	84.0	-0.8	-0.8	0.0	0.7	0.0						

		1	2	3	4	5	6	7	8	9	10	11	
CHN15501 CHN 62.0 88.3 31.5 3.38 1.45 162 A883 A884 2													12
13													
14													
15													
16	13	63.0	2.7	2.5	0.9	1.1	0.0	0.3	0.4	0.6	-0.4	0.0	0.5 0.7
17		90.0	99.0	92.4	89.0	86.0							
18		36.3	30.0	26.9	27.5	28.0							
19		K	K	K	K	K							
20		0	0	0	0	0							
21	13	84.0	-1.4	-0.7	-0.6	-0.3	-0.6	-0.7					

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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
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											
14											
15											
16	04	63.5	3.3	2.6	5.9	4.2	5.4	3.9	0.8	0.8	1.8
16	08	63.5	3.4	5.2	5.9	4.9	6.2	5.1	4.2	3.8	3.1
16	12	63.6	5.9	4.0	7.6	4.8	7.1	4.6	3.2	2.4	2.4
17											
18											
19											
20											
21	04	84.0	-2.3	-2.4	-1.6	-0.9	-	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			

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											
14											
15											
16	03	65.2	0.9	1.2	3.1	3.0	3.6	3.4	6.1	5.1	2.6
16	07	65.1	0.9	1.2	3.0	2.9	3.5	3.3	6.1	5.1	2.5
16	11	65.2	1.1	1.4	3.1	3.0	3.6	3.4	5.7	4.8	2.5
17											
18											
19											
20											
21	03	84.0	-0.5	-0.6	0.2	1.0	0.3				
21	07	84.0	-0.4	-0.5	0.3	1.1	0.4				
21	11	84.0	-0.5	-0.6	0.2	1.0	0.3				

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PAG. 18

MARGE DE 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	38.0	2.60	1.74	124	A883	A884	1	
			106.0	32.5	5.00	3.70	150	A887	A882	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	5.1	11.0	8.3	12.0	8.7	7.8	6.6	4.9
16	19	64.9	-0.9	-7.1	-0.3	-7.0	0.3	-6.9	-0.6	-7.1	1.3
16	23	65.0	-0.8	-7.1	-0.6	-7.1	-0.5	-7.0	-1.6	-7.3	-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	0.7					
21	19	84.0	-15.6	-14.4	-14.0	-16.2					
21	23	84.0	-15.6	-14.4	-14.0	-16.2					

1	2	3	4	5	6	7	8	9	10	11	12
CHN15900	CHN	80.0	109.4	27.3	2.14	1.72	107	A883	A884	2	
		106.0	32.5	5.00	3.70	150	A887	A882	1		
13		105.6	103.6	2	3	109.5	113.8	4	115.3	5	6
14		23.2	27.1		33.1		25.4		31.5		21.6
15											
16	18	64.5	1.4	-6.8	-0.3	-7.0	-0.9	-7.1	1.4	-6.8	0.5
16	20	64.6	1.5	-6.7	-0.3	-7.0	-1.9	-7.3	1.0	-6.8	-1.1
16	22	64.6	1.6	-6.7	0.2	-6.9	-0.8	-7.1	1.7	-6.7	-0.1
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					

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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
CHN16000	CHN	92.0	122.8	65.3	2.50	1.45	150	A883	A884	2			
		108.1	33.7	5.00	4.00	148	A887	A882	1				
13													
14													
15													
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													
18													
19													
20													
21	03	84.0	-1.5	-1.0	-1.1	-1.1	0.4						
21	07	84.0	-1.6	-1.1	-1.2	-1.2	0.3						
21	11	84.0	-1.7	-1.2	-1.2	-1.2	0.3						

		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				
13													
14													
15													
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													
18													
19													
20													
21	02	84.0	-0.3	0.2	0.1	1.7							
21	04	84.0	-0.3	0.2	0.2	1.7							
21	06	84.0	-0.3	0.2	0.2	1.7							

PLAN 3 DRAFT PLAN - 14 SEP 88

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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
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				
13													
14													
15													
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	3.6	2.6	2.6	2.3	2.4	-1.3	-0.7	4.4	4.0	-0.9 -0.6
16	09	64.0	4.6	4.1	3.1	3.0	3.3	3.1	-0.3	0.1	5.9	4.9	-0.2 0.2
17													
18													
19													
20													
21	01	84.0	2.0	2.5	2.4	3.9							
21	05	84.0	-0.4	0.1	0.0	1.5							
21	09	84.0	-0.7	-0.2	-0.2	1.3							

		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				
13													
14													
15													
16	01	64.4	115.4	114.6	112.5	125.0	119.0	118.4					
		36.1	42.1	42.6	25.1	25.9	19.3	28.3					
17													
18													
19													
20													
21	01	84.0	7.8	7.3	7.4	7.3	10.8						

PLAN 3 DRAFT PLAN - 14 SEP 88

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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
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	
13			1	2	3	4	5	6			
14			111.5	114.1	113.6	110.3	110.3	110.3			
15			39.6	40.7	35.6	34.5	34.5	37.0			
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	D	0	0	0			
21	05	84.0	8.2	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	
13											
14			120.0	112.0	105.3	107.6					
15			45.5	45.1	41.6	37.8					
16	09	63.6	5.6	6.0	9.3	9.1	7.3	7.5	4.7	5.2	6.8
											7.1
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	5.9	5.3	5.6	6.9	6.0			

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	
13											
14			1	2	3	4	5				
15			118.8	125.6	119.3	116.3	123.8				
16			40.7	40.8	45.2	43.1	43.5				
	24	64.5	4.3	5.3	0.4	1.4	1.5	2.5	3.4	4.4	1.5
											2.5
17											1.2
18			118.8	125.6	119.3	116.3	123.8	120.8			
19			40.7	40.8	45.2	43.1	43.5	38.5			
20			K	K	F	K	K				
21			0	0	0	0	0				
	24	84.0	22.8	22.0	21.3	21.5	21.6	21.0			

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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
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	
13											
14											
15											
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											
18											
19											
20											
21	17	84.0	4.9	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	
13											
14											
15											
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											
18											
19											
20											
21	22	84.0	0.9	1.2	1.8	0.5	2.3	1.5			

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	
13											
14											
15											
16	16	64.7	2.5	2.9	2.6	3.0	1.7	2.2	1.0	1.5	-1.0 -0.3
17											
18											
19											
20											
21	16	84.0	2.2	2.6	3.0	1.6	2.4	3.6			

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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
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					
13														
14														
15														
16	12	64.4	119.1	116.4	121.3	122.4	121.5	118.7						
		35.2	34.8	34.8	31.0	30.6	31.2							
17														
18														
19														
20														
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					
13														
14														
15														
16	10	64.2	116.1	114.9	116.1	119.2	119.6	118.7						
		29.8	33.1	34.6	32.6	31.1	31.2	29.3						
17														
18														
19														
20														
21	10	84.0	3.8	3.7	4.2	3.8	3.6	4.1						

		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	A887	A882	2					
13														
14														
15														
16	14	64.3	120.9	118.8	118.0	119.6	122.8	123.1						
		27.0	27.5	29.1	31.1	30.9	30.2							
17														
18														
19														
20														
21	14	84.0	1.2	1.7	1.1	1.2	0.6	0.6						

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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
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					
13														
14														
15														
16	08	64.0	114.1	118.5	118.1	116.8	116.8	113.9						
		24.6	28.4	29.5	30.0	29.0	29.0	27.5						
17														
18														
19														
20														
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					
13														
14														
15														
16	15	64.1	119.7	120.7	118.7	117.3	115.8	117.4						
		-0.2	0.3	-1.6	-0.9	-1.7	-1.0	-2.0	-1.3					
17														
18														
19														
20														
21	15	84.0	0.8	0.2	1.0	0.6	0.6	0.3						

		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					
13														
14														
15														
16	21	64.3	124.5	122.8	121.9	121.1	118.9	119.6						
		25.8	24.5	21.6	25.6	23.5	21.7							
17														
18														
19														
20														
21	21	84.0	1.8	4.2	1.2	2.4	1.7	3.1						

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PAG. 25

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

		1	2	3	4	5	6	7	8	9	10	11	
		CHN17600	CHN	80.0	113.7	33.9	1.20	0.80	141	A883	A884	1	12
13													
14													
15													
16		21	64.3	-0.1	0.0	0.3	0.3	-1.1	-0.9	-0.2	-0.1	-1.2	-0.9
17													
18													
19													
20													
21		21	84.0	-2.9	-1.8	-2.6	-2.6	-1.7	-2.8	-1.8	-0.3		

		1	2	3	4	5	6	7	8	9	10	11	
		CHN17700	CHN	80.0	111.8	30.8	1.42	0.82	160	A883	A884	2	12
13													
14													
15													
16		24	64.7	-0.6	-0.3	-0.2	0.0	1.2	1.1	0.8	0.8	1.4	1.3
17													
18													
19													
20													
21		24	84.0	-2.3	-2.2	-1.6	-1.6	-1.9	-0.8	-1.6			

		1	2	3	4	5	6	7	8	9	10	11	
		CHN17800	CHN	80.0	111.5	27.4	1.22	0.86	130	A883	A884	2	12
13													
14													
15													
16		12	64.4	4.8	5.7	2.8	3.7	8.7	9.4	7.8	8.6	6.0	6.8
17													
18													
19													
20													
21		12	84.0	12.3	11.4	11.8	12.3	12.3	11.8				

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PAG. 26

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

		1	2	3	4	5	6	7	8	9	10	11	
		CHN17900	CHN	92.0	112.2	21.9	1.84	1.22	37	A883	A884	2	12
13													
14													
15													
16		19	63.8	1.7	2.7	1.0	2.0	4.5	5.5	4.6	5.6	5.0	6.0
17													
18													
19													
20													
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	
		CHN18000	CHN	92.0	113.7	12.9	3.76	2.18	72	A883	A884	2	12
13													
14													
15													
16		13	63.6	6.6	5.4	5.4	4.6	5.0	4.4	3.6	3.4	4.8	4.2
17													
18													
19													
20													
21		13	84.0	0.1	0.0	-0.1	-0.6	0.3					

		1	2	3	4	5	6	7	8	9	10	11	
		CHN18100	CHN	80.0	108.5	23.8	1.41	1.08	153	A883	A884	2	12
13													
14													
15													
16		14	64.1	4.1	4.8	4.6	5.2	2.7	3.5	5.2	5.8	5.2	5.8
17													
18													
19													
20													
21		14	84.0	7.8	7.6	6.6	7.2	6.2	7.2				

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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
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			
13													
14													
15													
16													
17	17	64.2	-0.1	-0.1	-0.2	-0.2	-0.3	-0.2	-1.3	-1.1	0.6	0.5	0.3 0.2
18													
19													
20													
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			
13													
14													
15													
16													
17	22	63.8	8.2	9.0	9.4	10.2	8.7	9.5	4.7	5.6	1.3	2.3	7.1 8.0
18													
19													
20													
21	22	84.0	14.0	13.9	14.2	15.0	12.7	13.9					

		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													
14													
15													
16													
17	20	63.7	3.2	4.1	3.2	4.1	2.0	3.0	3.7	4.6	0.3	1.3	2.2 3.1
18													
19													
20													
21	20	84.0	12.5	14.1	12.9	13.4	13.7	13.5					

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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
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													
14													
15													
16													
17	18	63.4	8.2	9.0	7.5	8.3	5.6	6.5	6.1	7.0	3.8	4.7	8.7 9.6
18													
19													
20													
21	18	84.0	12.6	12.6	11.9	12.6	13.0	11.8					

		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													
14													
15													
16													
17	16	65.5	10.6	11.5	11.6	12.5	11.4	12.3	11.8	12.7	6.5	7.5	10.8 11.7
18													
19													
20													
21	16	84.0	19.1	20.3	19.1	19.9	18.8	19.0					

		1	2	3	4	5	6	7	8	9	10	11	12
CHN18700	CHN	80.0	106.6	26.7	1.14	0.94	179	A883	A884	2			
		106.6		26.7	1.14	0.94	179	A887	A882	1			
13													
14													
15													
16													
17	10	64.0	104.7	24.6	1.2	1.0	1.7	4.9	5.1	5.5	5.6	4.1	4.5 6.8
18													
19													
20													
21	10	84.0	3.6	3.8	3.1	3.6	4.0	4.4					

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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
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					
13														
14														
15														
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														
18														
19														
20														
21	24	84.0	12.3	11.6	11.6	12.2	12.1							

		1	2	3	4	5	6	7	8	9	10	11		12
CLN21900	CLN	50.0	80.6	7.7	1.18	0.60	106	A883	A884	1				
		80.6	7.7	1.18	0.60	106	A887	A882	1					
13														
14														
15														
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														
18														
19														
20														
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								

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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
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	1				
13														
14														
15														
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	2.7	5.1	5.7	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	5.7	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														
18														
19														
20														
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	2				
13														
14														
15														
16	22	63.8	0.5	1.1	-1.6	-0.8	6.6	6.2	4.9	4.9	4.8	4.8	3.7	3.9
16	26	63.8	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8	3.6	3.9
16	30	63.9	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8	3.6	3.9
16	34	63.9	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8	3.6	3.9
16	38	64.0	0.4	1.0	-1.6	-0.8	6.5	6.2	4.8	4.9	4.7	4.8	3.6	3.9
17														
18														
19														
20														
21	22	84.0	4.9	2.0			1.9							
21	26	84.0	5.1	2.1			2.0							
21	30	84.0	5.1	2.1			2.0							
21	34	84.0	5.1	2.1			2.0							
21	38	84.0	5.1	2.1			2.0							

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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
COM20700		COM	29.0	44.1	-12.1	0.76	0.60	149	A883	A884	2		
13													
14													
15													
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													
18													
19													
20													
21	03	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3			
21	07	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3			
21	11	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3			
21	15	84.0	8.4	8.2	9.9	10.3	10.7	10.7	10.7	10.3			

		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		
13													
14													
15													
16	04	62.2	4.6	-1.5	4.3	-1.6	5.7	-1.3	4.9	-1.5	5.3	-1.4	5.7 -1.3
16	08	62.2	4.6	-1.5	4.3	-1.6	5.7	-1.3	5.0	-1.5	5.3	-1.4	5.8 -1.3
16	12	62.3	4.6	-1.5	4.3	-1.6	5.7	-1.3	5.0	-1.5	5.3	-1.4	5.8 -1.3
16	16	62.4	4.6	-1.5	4.3	-1.6	5.7	-1.3	5.0	-1.5	5.3	-1.4	5.8 -1.3
16	20	62.4	3.9	-1.7	3.9	-1.7	5.3	-1.4	4.5	-1.6	4.9	-1.5	5.1 -1.4
17													
18													
19													
20													
21	01	84.0	-9.7	-10.6	-8.4	-9.3	-8.9	-8.9	-8.9	-8.3			
21	05	84.0	-9.7	-10.6	-8.4	-9.3	-8.9	-8.9	-8.9	-8.3			
21	09	84.0	-9.7	-10.6	-8.4	-9.3	-8.9	-8.9	-8.9	-8.3			
21	13	84.0	-9.7	-10.6	-8.4	-9.3	-8.9	-8.9	-8.9	-8.3			
21	17	84.0	-9.7	-10.6	-8.4	-9.3	-8.9	-8.9	-8.9	-8.3			

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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		
13													
14													
15													
16	22	63.7	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5	-0.2	-0.3 0.0
16	26	63.7	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5	-0.2	-0.3 0.0
16	30	63.8	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5	-0.2	-0.3 0.0
16	34	63.9	5.2	4.0	3.3	2.8	0.0	0.2	0.0	0.2	-0.5	-0.2	-0.3 0.0
16	38	63.9	5.2	4.0	3.3	2.8	-0.1	0.1	0.0	0.2	-0.5	-0.2	-0.3 0.0
17													
18													
19													
20													
21	22	84.0	-1.7	-1.0	-1.8	0.0	0.1	0.1	-2.0	-0.5	-1.7	-1.2	
21	26	84.0	-1.7	-1.0	-1.8	0.0	0.1	0.1	-2.0	-0.5	-1.7	-1.2	
21	30	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	-2.0	-0.5	-1.7	-1.2	
21	34	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	-2.0	-0.5	-1.7	-1.2	
21	38	84.0	-1.8	-1.0	-1.8	0.0	0.1	0.1	-2.0	-0.5	-1.7	-1.2	

		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		
13													
14													
15													
16	27	65.2	0.0	0.3	-1.9	-1.3	-0.3	0.1	-3.3	-2.6	-2.7	-2.1	-0.9 -0.4
16	31	65.3	0.0	0.3	-1.9	-1.4	-0.3	0.0	-3.3	-2.7	-2.7	-2.1	-0.9 -0.5
16	35	65.3	0.0	0.3	-1.9	-1.3	-0.3	0.1	-3.3	-2.6	-2.7	-2.1	-0.9 -0.4
16	39	65.4	0.0	0.3	-1.9	-1.3	-0.3	0.1	-3.3	-2.6	-2.8	-2.2	-0.9 -0.4
17													
18													
19													
20													
21	27	84.0	0.3	-0.4	1.7	-1.1	0.8	0.8	2.7				
21	31	84.0	-0.4	-1.1	1.0	-1.7	0.1	0.1	2.0				
21	35	84.0	0.2	-0.4	1.6	-1.1	0.7	0.7	2.7				
21	39	84.0	0.2	-0.4	1.6	-1.1	0.7	0.7	2.7				

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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
CVA08500	CVA	-37.0	10.8	41.5	2.00	0.60	138	A883	A884	1		
13												
14												
15												
16	23	63.6	-2.5	-1.8	-2.5	-1.8	-3.6	-2.8	-0.4	0.1	1.5	1.8
17												
18												
19												
20												
21	23	84.0	1.3	1.5	0.0	0.6	2.0	0.8				

	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		
13												
14												
15												
16	21	63.6	2.7	3.4	2.4	3.1	2.8	3.5	1.6	2.4	3.1	3.8
16	25	63.6	0.8	1.6	0.1	0.9	1.0	1.8	-0.3	0.5	1.1	1.9
16	29	63.7	0.9	1.7	0.1	0.9	1.0	1.8	-0.4	0.4	1.1	1.9
16	33	63.7	0.9	1.7	0.1	0.9	1.0	1.8	-0.3	0.5	1.1	1.9
16	37	63.8	0.9	1.7	0.1	0.9	1.1	1.9	-0.3	0.5	1.2	2.0
17												
18												
19												
20												
21	21	84.0	5.7	6.0	6.9	5.0	6.9	6.9				
21	25	84.0	5.6	6.0	6.9	4.9	6.9	6.9				
21	29	84.0	5.6	6.0	6.9	4.9	6.9	6.9				
21	33	84.0	5.6	6.0	6.9	4.9	6.9	6.9				
21	37	84.0	5.6	6.0	6.9	4.9	6.9	6.9				

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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
D 08700	D	-19.0	9.6	49.9	1.62	0.72	147	A883	A884	2		
13												
14												
15												
16	02	65.5	1.6	0.8	2.5	1.3	2.7	1.5	2.7	1.5	2.5	1.3
16	06	65.6	1.6	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4
16	10	65.6	1.7	0.8	2.5	1.3	2.8	1.5	2.8	1.5	2.6	1.4
16	14	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4
16	18	65.7	1.6	0.8	0.8	0.2	2.1	1.1	2.7	1.5	2.6	1.4
17												
18												
19												
20												
21	02	84.0	-4.6	-3.1	-2.6	-3.2	-3.0	-3.0				
21	06	84.0	-4.6	-3.1	-2.6	-3.2	-3.0	-3.0				
21	10	84.0	-4.6	-3.1	-2.6	-3.2	-3.0	-3.0				
21	14	84.0	-4.6	-3.1	-2.6	-3.2	-3.0	-3.0				
21	18	84.0	-4.6	-3.1	-2.6	-3.2	-3.0	-3.0				

	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		
13												
14												
15												
16	21	64.2	-2.7	-1.9	-1.1	-0.4	-2.1	-1.4	-1.1	-0.4	-2.2	-1.5
16	25	64.3	-3.1	-2.3	-1.5	-0.8	-2.4	-1.6	-1.4	-0.7	-2.5	-1.7
16	29	64.3	-2.9	-2.1	-1.6	-0.8	-2.8	-2.0	-1.6	-0.8	-2.3	-1.5
16	33	64.4	-3.0	-2.2	-1.8	-1.0	-2.9	-2.1	-1.7	-0.9	-2.2	-1.4
16	37	64.4	-2.8	-2.0	-1.3	-0.6	-2.6	-1.8	-1.4	-0.7	-2.3	-1.5
17												
18												
19												
20												
21	21	84.0	1.7	0.7	1.0	0	2.7	2.4				
21	25	84.0	2.6	1.7	2.0	0	3.6	3.3				
21	29	84.0	2.6	1.7	1.9	0	3.6	3.3				
21	33	84.0	2.6	1.7	2.0	0	3.7	3.3				
21	37	84.0	2.6	1.7	1.9	0	3.6	3.3				

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PLAN 3 DRAFT PLAN - 14 SEP 88

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
DJI09900	DJI	23.0	42.5	11.6	0.60	0.60	0	A883	A884	1		
13			1		2		3		4		5	
14			43.5		41.9		43.0		43.5		42.7	
15			12.5		10.8		10.8		11.6		12.6	
16	21	62.5	0.6	1.2	-0.1	0.5	0.3	0.9	1.2	1.7	1.1	1.6
16	25	62.6	0.8	1.4	-0.1	0.6	0.3	0.9	1.3	1.8	1.2	1.8
16	29	62.6	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9
16	33	62.7	-0.1	0.6	-0.8	-0.1	-0.3	0.4	0.5	1.1	0.3	0.9
16	37	62.7	-0.1	0.6	-0.8	-0.1	+0.3	0.4	0.5	1.1	0.3	0.9
17			43.5		41.9		43.0		43.5		42.7	
18			12.5		10.8		10.8		11.6		12.6	
19			E		E		E		E		E	
20			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	57.1	1.20	0.60	177	A883	A884	2	3, 4, 5, 6, 7, 8, 9.	
13			1		2		3		4		5	
14			12.0		15.1		8.0		12.6		10.0	
15			54.6		55.3		57.0		56.0		54.5	
16	12	64.3	0.7	1.6	0.7	1.6	2.0	2.8	3.1	3.9	0.7	1.6
16	16	64.4	0.7	1.6	0.7	1.6	2.0	2.8	3.1	3.9	0.7	1.6
16	20	64.4	0.1	1.0	1.1	1.9	2.1	2.9	3.0	3.8	0.0	0.9
17			12.5		10.0		10.8		6.0		23.6	
18			55.7		57.5		60.1		62.5		59.2	
19			E		E		G		J		C	
20			30		30		30		50		70	
21	12	84.0	7.4	8.5	9.2	6.4	6.4	6.4	9.1	7.6	7.9	6.8
21	16	84.0	7.4	8.5	9.2	6.4	6.4	6.4	9.0	7.6	7.9	6.8
21	20	84.0	7.4	8.6	9.3	6.5	6.5	6.5	9.1	7.7	8.0	6.9

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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
DNK09000	DNK	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	3, 4, 5, 6, 7, 8, 9.	
13			1		2		3		4		5	
14			12.0		9.4		4.7		31.5		25.7	
15			54.6		61.6		59.2		62.9		71.2	
16	24	67.5	2.8	1.8	7.6	4.2	7.7	6.3	5.8	3.5	8.1	4.4
16	36	68.2	3.3	2.1	8.1	4.4	8.3	4.5	6.4	3.7	8.6	4.6
17			12.5		10.0		10.8		6.0		23.6	
18			55.7		57.5		60.1		62.5		59.2	
19			E		E		G		C		E	
20			30		30		200		30		330	
21	24	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-3.8	-1.1	-2.6	-2.2	-3.4
21	36	84.0	-2.8	-1.6	-0.9	-3.7	-3.8	-3.8	-1.1	-2.6	-2.3	-3.4

	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	3, 4, 5, 6, 7, 8, 9.	
13			1		2		3		4		5	
14			-6.7		-24.3		-22.7		-14.5		-16.0	
15			62.0		65.5		63.8		66.3		66.5	
16	27	66.2	6.6	6.6	10.8	9.6	11.6	10.1	7.8	7.6	8.2	7.9
16	35	66.3	7.0	6.9	12.1	10.3	13.0	10.7	8.7	8.2	9.2	8.5
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		E	
20			30		30		30		50		50	
21	27	84.0	5.1	3.8	3.6	5.1	5.1	5.1	3.9			
21	35	84.0	5.0	3.7	3.5	5.0	5.0	5.0	3.8			

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PLAN 3 DRAFT PLAN - 14 SEP 88

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
E	12900	E	-31.0	-3.1	39.9	2.10	1.14	154	A883	A884	2	
13			1		2		3		4		5	
14			3.3		4.3		-2.9		-7.4		-0.6	
15			62.3		39.8		35.3		37.1		37.6	
16	23	63.9	-5.1	-7.3	-5.3	-7.4	-7.3	-8.5	-3.0	-6.4	-1.5	-5.9
16	27	64.0	-3.5	-6.6	-4.8	-7.2	-7.3	-8.5	-3.0	-6.4	-1.3	-5.9
16	31	64.0	-3.5	-6.6	-4.8	-7.2	-7.3	-8.5	-3.0	-6.4	-1.3	-5.9
16	35	64.1	-3.5	-6.6	-4.8	-7.2	-7.3	-8.5	-3.0	-6.4	-1.3	-5.9
16	39	64.2	-3.5	-6.6	-4.8	-7.2	-7.3	-8.5	-3.0	-6.4	-1.4	-5.9
17			3.3		4.3		-2.9		-7.4		-0.6	
18			42.3		39.8		35.3		37.1		37.6	
19			K		K		K		K		E	
20			0		0		0		0		0	
21	01	84.0	-14.4	-14.1	-14.1	-14.1	-14.2	-11.9	-11.9	-13.6		
21	05	84.0	-14.5	-14.1	-14.1	-14.1	-14.2	-12.0	-12.0	-13.6		
21	09	84.0	-14.5	-14.1	-14.1	-14.1	-14.2	-12.0	-12.0	-13.6		
21	13	84.0	-14.5	-14.1	-14.1	-14.1	-14.2	-12.0	-12.0	-13.6		
21	17	84.0	-14.5	-14.1	-14.1	-14.1	-14.2	-12.0	-12.0	-13.6		

	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		
13			1		2		3		4		5	
14			-18.0		-13.9		-13.5		-15.4		-16.2	
15			28.7		28.0		29.2		28.1		28.4	
16	23	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	27	62.8	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	31	62.9	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	35	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.1	-3.3	-3.2	-2.4
16	39	63.0	-3.8	-3.0	-7.5	-6.6	-12.4	-11.4	-4.2	-3.4	-3.2	-2.4
17			-18.0		-13.9		-13.5		-15.4		-16.2	
18			28.7		28.0		29.2		28.1		28.4	
19			E		E		E		E		E	
20			0		0		0		0		0	
21	23	84.0	1.1	1.2	1.2	1.2	1.9	2.8	1.3			
21	27	84.0	1.1	1.2	1.2	1.2	1.9	2.8	1.3			
21	31	84.0	1.1	1.2	1.2	1.2	1.9	2.7	1.3			
21	35	84.0	1.1	1.2	1.2	1.2	1.9	2.8	1.3			
21	39	84.0	1.1	1.2	1.2	1.2	1.9	2.8	1.3			

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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
EGY02600	EGY	-7.0	29.7	26.8	2.33	1.72	136	A883	A884	2		
13			1		2		3		4		5	
14			24.8		24.8		33.7		36.0		35.0	
15			31.8		21.8		21.6		23.3		29.4	
16	04	63.1	3.7	4.2	4.9	5.2	1.4	2.1	-0.2	0.6	1.4	2.1
16	08	63.2	3.7	4.2	4.9	5.2	1.5	2.2	-0.2	0.6	1.4	2.1
16	12	63.2	3.8	4.2	5.0	5.3	1.5	2.2	-0.2	0.6	1.4	2.1
16	16	63.3	3.8	4.2	5.0	5.3	1.5	2.2	-0.2	0.6	1.4	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
17			24.8		24.8		33.7		36.0		34.5	
18			31.8		21.8		21.6		23.3		30.0	
19			E		A		A		C		C	
20			0		0		0		0		0	
21	04	84.0	3.5	3.4	3.7	3.8	5.0	4.2	5.9	6.8	5.6	6.8
21	08	84.0	3.5	3.4	3.7	3.8	5.0	4.2	5.9	6.8	5.6	6.8
21	12	84.0	3.5	3.4	3.6	3.8	5.0	4.2	5.9	6.8	5.6	6.7
21	16	84.0	3.5	3.4	3.7	3.8	5.0	4.2	5.9	6.8	5.6	6.8
21	20	84.0	5.9	5.9	6.1	6.2	7.5	6.6	8.3	9.3	8.0	9.2

	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	
13			1		2		3		4		5	
14			2.5		8.1		9.5		3.0		-1.9	
15			51.2		49.1		41.2		42.5		43.3	
16	01	63.8	4.4	4.2	1.8	2.1	-1.1	-0.5	6.0	5.3	7.9	6.5
16	05	63.8	2.7	2.3	0.1	0.3	-1.8	-1.3	4.0	3.2	5.1	3.9
16	09	63.9	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9
16	13	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.0	3.2	5.1	3.9
16	17	64.0	2.7	2.3	0.1	0.3	-1.7	-1.3	4.1	3.3	5.1	3.9
17			2.5		8.1		9.5		3.0		-4.5	
18			51.2		49.1		41.2		42.5		48.5	
19			E		K		K		H		H	
20			0		0		0		0		0	
21	01	84.0	0.4	0.2	0.5	2.1	0.7	2.1				
21	05	84.0	-1.9	-2.1	-1.8	-0.3	-1.6	-0.3				
21	09	84.0	-1.9	-2.1	-1.8	-0.3	-1.6	-0.3				
21	13	84.0	-1.9	-2.1	-1.8	-0.3	-1.6	-0.3				
21	17	84.0	-1.9	-2.1	-1.8	-0.3	-1.6	-0.3				

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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
AND34100	F	-37.0	1.6 1.5	42.5 42.5	0.60 0.61	0.60 0.60	0 153	A883 A887	A884 A882	2 1	
13			1 1.5	2 42.5	3 42.6	4 42.5	5 42.5	6 42.4	7 42.5	8 42.5	
14											
15											
16	04	61.5	-0.4 -0.4	0.3 0.3	-0.4 -0.4	0.3 0.3	-0.5 -0.5	0.2 0.2	-0.4 -0.4	0.3 0.3	-0.6 -0.6
16	08	61.5	-0.3 -0.3	0.4 0.4	-0.4 -0.4	0.3 0.3	-0.5 -0.5	0.2 0.2	-0.4 -0.4	0.3 0.3	-0.6 -0.6
16	12	61.6	-0.3 -0.3	0.4 0.4	-0.4 -0.4	0.3 0.3	-0.5 -0.5	0.2 0.2	-0.4 -0.4	0.3 0.3	-0.6 -0.6
16	16	61.6	-0.3 -0.3	0.4 0.4	-0.4 -0.4	0.3 0.3	-0.5 -0.5	0.2 0.2	-0.4 -0.4	0.3 0.3	-0.6 -0.6
16	20	61.7	-0.6 -0.6	0.1 0.1	-0.7 -0.7	0.0 0.0	-0.7 -0.7	0.0 0.0	-0.7 -0.7	0.0 0.0	-0.9 -0.9
17			1.5 42.4	1.4 42.5	1.5 42.6	1.7 42.5	1.4 42.4	1.7 42.5			
18											
19											
20			K 0	H 0	H 0	K 0	K 0	K 0			
21	04	84.0	2.4 2.4	2.4 2.4							
21	08	84.0	2.4 2.4	2.4 2.4							
21	12	84.0	2.4 2.4	2.4 2.4							
21	16	84.0	2.4 2.4	2.4 2.4							
21	20	84.0	1.6 1.6	1.7 1.7	1.6 1.6	1.7 1.7	1.6 1.6	1.7 1.7			

PLAN 3 DRAFT PLAN - 14 SEP 88

CRB(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
MYT09801	F	29.0	45.1 3.7	-12.8 45.6	0.60 1.98	0.60 1.71	0 22	A883 A887	A884 A882	1 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	20.6	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	17. MLTP BEAMS
		166.0	-21.0	1.14	0.72	146	A887	A882	2	17. MLTP BEAMS	
										17. MLTP BEAMS	
13			1		2		3				
14		164.0		167.2		167.5					
15		-19.7		-20.8		-23.0					
16	02	63.8	-1.9 -5.9	-2.8 -6.2	-3.3	-6.6					
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	-14.2							
21	06	84.0	-12.9 -12.8	-14.2							
21	10	84.0	-12.9 -12.8	-14.2							

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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
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			
13													
14			164.0		167.2		3						
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			
13													
14			1	2	3	4							
15			-153.0	-154.7	-139.3	-134.5							
16	04	63.6	24.4	25.0	17.5	18.4	21.8	22.6	28.0	28.1			
16	08	63.6	24.4	25.0	17.6	18.5	21.8	22.6	28.1	28.2			
16	12	63.6	24.0	24.6	17.5	18.4	21.8	22.6	28.1	28.2			
16	16	63.7	25.5	26.0	17.8	18.7	21.9	22.7	28.2	28.3			
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	25.9	26.7	26.1	25.6							
21	08	84.0	25.9	26.8	26.1	25.6							
21	12	84.0	25.9	26.8	26.1	25.6							
21	16	84.0	26.0	26.8	26.2	25.6							

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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
REU09700	F	29.0	55.6	-19.2	1.56	0.78	96	A883	A884	1	23.	MLTP BEAMS	
			55.6	-19.2	1.56	0.78	96	A887	A882	2	23.	MLTP BEAMS	
13													
14			1	2	3	4							
15			54.7	55.4	55.8	58.0							
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	37.4	38.4	38.6	35.7							
21	26	84.0	40.1	41.1	41.2	38.3							
21	30	84.0	40.0	41.0	41.2	38.3							
21	34	84.0	40.1	41.1	41.2	38.3							

		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			
13													
14			1	2	3	4							
15			54.7	55.4	55.8	58.0							
16	38	64.2	16.1	16.8	18.9	19.4	19.2	19.7	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	19.1	20.3	19.2	20.6	19.0	20.1					

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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	27.	MLTP BEAMS		
		140.0	-176.8	-14.0	0.74	0.60	29	A887	A882	2	27.	MLTP BEAMS		
		140.0	-176.8	-14.0	0.74	0.60	29	A883	A884	1	27.	MLTP BEAMS		
13														
14			1		2		3		4					
15			-178.0		-176.1		-176.6		-178.1					
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							
20			0		0		0							
21	02	84.0	-12.8	-13.7	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0				
21	06	84.0	-12.8	-13.7	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0				
21	10	84.0	-12.8	-13.7	-13.0	-13.0	-13.0	-13.0	-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	27.	MLTP BEAMS		
		166.1	-21.3	1.31	0.82	133	A887	A882	2	27.	MLTP BEAMS			
13														
14			1		2		3		4		5			
15			-178.0		-176.1		-176.6		-178.1					
16	14	64.6	-14.0	-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	-13.1	-13.1	-13.1	-13.1	-13.1	-13.1			

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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	27.	MLTP BEAMS		
		179.4	-17.9	1.04	0.98	67	A887	A882	1	27.	MLTP BEAMS			
13														
14			1		2		3		4		5			
15			177.5		-178.5		176.9		180.0		-179.1		-178.3	
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		H		N			
20			0		0		0		0		0			
21	01	84.0	26.2	25.6	25.9	25.9	25.7	25.7	26.2					
21	05	84.0	25.9	25.2	25.5	25.5	25.4	25.4	25.8					
21	09	84.0	25.9	25.2	25.5	25.5	25.4	25.4	25.8					

			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	10,	11,	12,	
		17.0	61.5	2.00	1.00	1.00	10	A887	A882	1	10,	11,	12,	
13														
14			1		2		3		4		5		6	
15			24.9		31.5		19.2		24.0		20.7		29.3	
16	02	67.7	6.5	7.0	8.9	9.1	5.7	6.3	12.3	11.8	12.4	11.9	12.4	11.9
16	06	67.8	6.5	7.0	9.0	9.2	5.7	6.3	12.3	11.8	12.4	11.9	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		6.0		23.6		21.1		29.8	
18			55.7		57.5		60.1		70.7		67.9		60.2	
19			E		E		G		C		E		C	
20			0		0		0		0		0		0	
21	02	84.0	8.1	9.3	9.9	7.2	7.1	9.8	8.3	8.6	7.5	8.5		
21	06	84.0	8.1	9.3	9.9	7.2	7.1	9.8	8.3	8.6	7.5	8.5		
21	10	84.0	8.1	9.3	9.9	7.2	7.1	9.8	8.3	8.6	7.5	8.5		

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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
FNL10400	FNL	5.0	17.0	61.5	2.00	1.00	10	A883	A884	2	10, 11, 12.	
		17.0	61.5	2.00	1.00	10	A887	A882	1	10, 11, 12.		
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	8.3	8.1	10.3	9.6	11.1	10.1	13.9	11.6	12.4	10.9
16	26	67.5	8.1	8.0	10.0	9.3	11.4	10.2	10.9	9.9	11.7	10.4
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		J		C		E	C
20			0		0		0		0		0	0
21	22	84.0	5.4	6.5	7.2	4.5	6.4	7.1	5.6	5.9	4.8	5.8
21	26	84.0	5.3	6.5	7.2	4.4	4.3	7.0	5.5	5.9	4.7	5.7

	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			
13			1		2		3		4		5	6
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
16	08	65.1	3.0	3.3	3.4	3.7	3.8	4.0	3.7	3.9	7.5	6.8
16	12	65.1	2.8	3.1	3.4	3.7	3.2	3.5	3.7	3.9	7.5	6.8
16	16	65.2	2.8	3.1	3.4	3.7	3.2	3.5	3.7	3.9	7.6	6.9
16	20	65.2	2.6	3.0	3.5	3.7	3.0	3.3	3.9	4.1	7.0	6.5
17			-1.3		-6.9		-7.3		-5.7		1.3	1.8
18			60.3		57.8		55.0		50.1		49.3	51.1
19			G		G		H		F		E	F
20			0		0		0		0		0	0
21	04	84.0	2.2	2.8	3.1	2.2	3.2	2.0	1.7	3.3	4.7	4.7
21	08	84.0	2.2	2.8	3.1	2.2	3.2	2.0	1.7	3.3	4.7	4.7
21	12	84.0	2.2	2.8	3.1	2.2	3.3	2.0	1.7	3.3	4.7	4.7
21	16	84.0	2.2	2.8	3.1	2.2	3.3	2.0	1.7	3.3	4.7	4.7
21	20	84.0	2.2	2.8	3.1	2.2	3.2	1.9	1.7	3.3	4.7	4.7

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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
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	1		
13			1		2		3		4		5	6
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	3.8
16	07	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8
16	11	63.4	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8
16	15	63.5	4.0	4.6	5.5	5.9	4.5	5.0	5.6	6.0	3.1	3.8
16	19	63.6	4.0	4.8	5.5	6.2	4.6	5.3	5.6	6.2	3.2	4.0
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		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
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	2		
13			1		2		3		4		5	6
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	4.0	6.0	5.3	3.6	3.5	2.7	2.8	7.0	6.0
16	27	63.7	4.2	4.0	6.0	5.3	3.6	3.5	2.7	2.8	7.0	6.0
16	31	63.7	4.2	-7.4	6.0	-7.4	3.6	-7.5	2.7	-7.5	7.0	-7.3
16	35	63.8	4.2	4.0	6.0	5.3	3.6	3.5	2.7	2.8	7.0	6.0
16	39	63.8	4.1	3.9	5.7	5.1	3.5	3.5	2.7	2.8	6.8	5.8
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		P		H	
20			0		0		0		0		0	0
21	23	84.0	0.4	1.1	0.7	0.6	3.9	0.2				
21	27	84.0	0.4	1.1	0.7	0.6	3.9	0.2				
21	31	84.0	-16.9	-16.3	-16.6	-16.8	-13.5	-17.2				
21	35	84.0	0.4	1.1	0.7	0.6	3.9	0.2				
21	39	84.0	0.4	1.1	0.7	0.6	3.9	0.2				

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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
		GMB30200	GMB	-37.0	-15.1	13.4	0.79	0.60	4	A883	A884	2		
13					1	2	3	4						
14					-14.2		-16.5		-16.7		-14.3		-16.1	
15					13.3		13.3		13.4		13.5		13.5	
16	03	63.4	3.1	3.1	3.7	3.6	3.6	3.5	3.7	3.6	4.1	3.9	4.6	4.3
16	07	63.4	3.1	3.1	3.7	3.6	3.5	3.4	3.7	3.6	4.1	3.9	4.5	4.2
16	11	63.4	3.1	3.1	3.7	3.6	3.5	3.4	3.7	3.6	4.1	3.9	4.6	4.3
16	15	63.5	3.1	3.1	3.7	3.6	3.6	3.5	3.7	3.6	4.1	3.9	4.6	4.3
16	19	63.5	3.6	3.5	3.9	3.8	3.7	3.6	4.1	3.9	4.3	4.1	4.8	4.4
17					-14.2		-16.5		-16.7		-14.3		-16.1	
18					13.3		13.3		13.4		13.5		13.6	
19					K		N		K		K		K	
20					0		0		0		0		0	
21	03	84.0	1.8	0.6	0.1	2.1		1.4		2.4				
21	07	84.0	1.8	0.6	0.1	2.1		1.4		2.4				
21	11	84.0	1.8	0.6	0.1	2.1		1.4		2.4				
21	15	84.0	1.8	0.6	0.1	2.1		1.4		2.4				
21	19	84.0	1.8	0.6	0.1	2.1		1.4		2.5				

		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		
13					1	2	3	4						
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	2.4	3.2	2.7	2.2	2.0	2.2	2.0	2.4	2.2		
16	06	63.2	2.6	2.3	3.1	2.7	2.2	2.0	2.2	2.0	2.4	2.2		
16	10	63.2	2.6	2.3	3.1	2.7	2.2	2.0	2.2	2.0	2.4	2.2		
16	14	63.5	2.6	2.3	3.2	2.7	2.2	2.0	2.2	2.0	2.4	2.2		
16	18	63.5	2.9	2.6	3.4	3.0	2.5	2.3	2.5	2.3	2.7	2.5		
17					-15.0									
18					12.0									
19					K									
20					0									
21	02	84.0	-1.8											
21	06	84.0	-1.8											
21	10	84.0	-1.8											
21	14	84.0	-1.8											
21	18	84.0	-1.5											

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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
		GNE30300	GNE	-19.0	10.3	1.5	0.68	0.60	10	A883	A884	2		
13					1	2	3	4						
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	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5		
16	27	63.8	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5		
16	31	63.9	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5		
16	35	63.9	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5		
16	39	64.0	2.3	2.7	0.6	1.2	0.1	0.8	1.3	1.8	0.9	1.5		
17					9.6		11.3		9.8		11.3			
18					1.2		1.2		2.4		1.8			
19					P		P		P		P			
20					0		0		0		0			
21	23	84.0	4.3	3.3	1.9		2.3							
21	27	84.0	4.3	3.3	1.9		2.3							
21	31	84.0	4.3	3.3	1.9		2.3							
21	35	84.0	4.3	3.3	1.9		2.3							
21	39	84.0	4.3	3.3	1.9		2.3							

		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		
13					1	2	3	4						
14					19.4		24.0		29.6		26.5		26.6	
15					39.9		34.6		36.1		39.0		41.5	
16	03	63.3	3.8	4.1	5.4		6.9		6.5		6.0		5.8	
16	07	63.4	3.8	4.1	5.5		7.0		6.6		6.0		5.8	
16	11	63.4	3.9	4.1	5.5		7.1		6.6		6.0		5.8	
16	15	63.5	3.9	4.2	5.6		7.1		6.7		6.1		5.9	
16	19	63.5	3.9	4.2	5.6		7.1		6.7		6.1		5.9	
17					19.4		24.0		29.6		26.5		22.9	
18					39.9		34.6		36.1		39.0		41.4	
19					L		K		L		L		L	
20					0		0		0		0		0	
21	03	84.0	2.3	2.5	2.3		3.9		2.1		2.8			
21	07	84.0	2.3	2.5	2.3		3.9		2.1		2.8			
21	11	84.0	2.3	2.5	2.2		3.9		2.1		2.7			
21	15	84.0	2.4	2.6	2.3		3.9		2.2		2.8			
21	19	84.0	2.4	2.6	2.3		3.9		2.2		2.8			

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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
GUI19200	GUI	-37.0	-11.0	10.2	1.58	1.04	147	A883	A884	2		
13												
14												
15												
16	01	63.5	12.8	7.9	10.5	7.2	3.8	3.5	4.5	4.0	10.8	7.3
16	05	63.5	7.3	4.8	4.5	3.3	2.4	1.9	2.5	2.0	6.8	4.6
16	09	63.5	7.2	4.8	4.5	3.3	2.4	1.9	2.5	2.0	6.8	4.6
16	13	63.6	7.2	4.8	4.5	3.3	2.4	1.9	2.5	2.0	6.8	4.6
16	17	63.7	7.3	4.8	4.5	3.3	2.4	1.9	2.5	2.0	6.9	4.6
17												
18												
19												
20												
21	01	84.0	0.1	-0.6	-0.8	-0.6	1.9					
21	05	84.0	-1.6	-2.3	-2.6	-2.4	0.1					
21	09	84.0	-1.6	-2.3	-2.6	-2.4	0.1					
21	13	84.0	-1.6	-2.3	-2.6	-2.4	0.1					
21	17	84.0	-1.6	-2.3	-2.6	-2.4	0.1					

	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		
13												
14												
15												
16	22	64.0	-0.6	-1.1	-0.1	-0.8	-2.2	-2.3	-2.9	-2.9	-2.1	-2.2
16	26	64.0	-0.6	-1.1	0.0	-0.7	-2.2	-2.3	-2.8	-2.8	-2.1	-2.2
16	30	64.1	-0.6	-1.1	0.0	-0.7	-2.1	-2.2	-2.8	-2.8	-2.1	-2.2
16	34	64.1	-0.3	-0.9	0.3	-0.5	-2.0	-2.1	-2.8	-2.8	-2.0	-2.2
16	38	64.2	-0.4	-1.0	0.5	-0.4	-1.5	-1.8	-2.5	-2.5	-2.1	-2.3
17												
18												
19												
20												
21	22	84.0	-3.9	-4.5	-5.7	-5.8	-4.5	-3.7				
21	26	84.0	-3.9	-4.5	-5.7	-5.8	-4.5	-3.7				
21	30	84.0	-3.9	-4.5	-5.7	-5.8	-4.5	-3.7				
21	34	84.0	-3.9	-4.5	-5.7	-5.8	-4.6	-3.7				
21	38	84.0	-3.9	-4.5	-5.7	-5.8	-4.6	-3.7				

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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
HOL21300	HOL	-19.0	5.4	52.0	0.76	0.60	171	A883	A884	1		
13												
14												
15												
16	23	64.4	1.5	1.8	-0.2	0.3	1.4	1.7	2.1	2.3	2.2	2.4
16	27	64.5	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.3	2.2	2.4
16	31	64.6	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.3	2.2	2.4
16	35	64.6	2.1	2.3	0.5	1.0	1.8	2.1	2.2	2.4	2.3	2.7
16	39	64.7	2.0	2.3	0.4	0.9	1.8	2.1	2.1	2.3	2.2	2.4
17												
18												
19												
20												
21	23	84.0	0.9	0.3	1.5	1.0	0.5	0.5	0.8			
21	27	84.0	0.9	0.3	1.5	1.0	0.6	0.6	0.8			
21	31	84.0	0.9	0.3	1.5	1.0	0.5	0.5	0.8			
21	35	84.0	0.9	0.3	1.5	1.0	0.6	0.6	0.8			
21	39	84.0	0.9	0.3	1.5	1.0	0.6	0.6	0.8			

	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		
13													
14													
15													
16	24	64.1	3.1	3.2	6.1	5.4	3.9	3.8	3.5	3.5	4.0	3.9	
16	28	64.2	3.3	3.3	6.1	5.4	4.3	4.1	4.0	3.9	4.3	4.1	
16	32	64.2	3.3	3.3	6.1	5.4	4.3	4.1	4.0	3.9	4.3	4.1	
16	36	64.3	3.3	3.3	6.1	5.4	4.0	3.9	3.5	3.5	4.0	3.9	
16	40	64.3	3.8	4.2	9.0	8.2	6.6	6.5	5.5	5.6	6.0	6.0	
17													
18													
19													
20													
21	24	84.0	1.3	0.4	0.9	1.7	1.9	0.6					
21	28	84.0	1.3	0.4	0.9	1.7	1.9	0.6					
21	32	84.0	1.3	0.4	0.9	1.7	1.9	0.6					
21	36	84.0	1.3	0.4	0.9	1.7	1.8	0.6					
21	40	84.0	3.6	2.8	3.3	4.0	4.2	3.0					

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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
		IFB02100	AFS	5.0	24.5	-28.0	3.13	1.68	27	A883	A884	2	
13													
14													
15													
16	21	64.1	0.7	-4.1	4.4	-3.4	6.4	-3.2	10.4	-3.0	12.1	-2.9	11.4 -2.9
16	25	64.2	-0.3	-4.8	3.1	-4.1	1.4	-4.4	-0.7	-4.9	0.1	-4.7	4.0 -4.0
16	29	64.1	-0.3	-4.8	3.1	-4.1	1.4	-4.4	-0.7	-4.9	0.2	-4.7	4.1 -4.0
16	33	64.2	-0.3	-4.8	3.2	-4.1	1.4	-4.4	-0.7	-4.9	0.2	-4.7	4.1 -4.0
16	37	64.3	-0.3	-4.8	3.1	-4.1	1.4	-4.4	-0.7	-4.9	0.2	-4.7	4.1 -4.0
17													
18													
19													
20													
21	21	84.0	-6.3	-5.6	-5.8	-5.8	-5.9	-6.3	-6.5	-5.7	-3.9	-12.8	
21	25	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	
21	29	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	
21	33	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	
21	37	84.0	-6.8	-6.1	-6.4	-6.3	-6.4	-6.9	-7.0	-6.2	-4.4	-13.4	

		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	
13													
14													
15													
16	02	64.0	1.8	-2.8	4.3	-2.2	1.8	-2.8	0.4	-3.2	-1.0	-3.8	-0.5 -3.6
16	10	64.0	1.8	-3.2	4.3	-2.7	1.7	-3.3	0.4	-3.6	-1.1	-4.2	-0.8 -4.0
17													
18													
19													
20													
21	02	84.0	-11.4	9.5	11.2	10.4	10.2	9.2	10.2				
21	10	84.0	-12.0	8.9	10.6	9.8	9.6	8.6	9.6				

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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
		IND03800	IND	56.0	75.9	33.4	1.52	1.08	33	A883	A884	2	
13													
14													
15													
16	19	64.3	0.5	0.7	5.1	4.1	2.5	2.3	4.1	3.5	7.3	5.4	-3.4 -2.7
16	21	64.4	1.5	2.2	7.3	7.1	6.1	6.2	6.9	6.8	9.8	8.9	-3.1 -2.7
17													
18													
19													
20													
21	19	84.0	-1.5	3.6	5.3	0.2	0.9	1.0					
21	21	84.0	3.3	8.4	10.1	5.0	5.7	5.9					

		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	
13													
14													
15													
16	01	63.2	9.1	8.1	9.5	8.3	10.2	8.7					
16	09	63.2	8.1	-7.9	8.5	-7.9	8.7	-7.9					
17													
18													
19													
20													
21	01	84.0	2.3	30.0	28.7	27.9							
21	09	84.0	-17.8	9.8	8.5	7.8							

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DRB(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
		IND04000	IND	56.0	73.0	25.0	1.82	1.48	58	A883	A884	2	
13													
14													
15													
16	08	63.7	8.8	7.8	3.9	4.1	-0.7	0.0	3.0	3.4	7.5	6.9	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
17													
18													
19													
20													
21	08	84.0	2.0	2.5	2.6	2.6	3.1	2.2					
21	16	84.0	16.3	16.8	16.9	16.9	17.4	16.6					

		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	
13													
14													
15													
16	18	63.8	10.4	-1.5	3.3	-2.4	1.8	-2.7	12.1	-1.5	11.3	-1.5	
16	24	63.9	11.6	5.9	3.2	2.3	2.1	1.6	12.7	6.1	13.0	6.1	
17													
18													
19													
20													
21	18	84.0	-11.3	8.2	7.6	7.5	8.1	7.8					
21	24	84.0	-3.1	16.3	15.7	15.6	16.3	16.0					

PLAN 3 DRAFT PLAN - 14 SEP 88

DRB(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
		IND04200	IND	68.0	79.3	27.7	2.14	1.16	167	A883	A884	2	
13													
14													
15													
16	20	63.8	1.4	1.1	2.0	1.5	3.0	2.2	1.0	0.8	-1.6	-1.3	-1.1
16	22	63.8	1.9	1.2	2.8	1.8	5.6	3.4	1.8	1.2	-1.3	-1.2	-0.9
17													
18													
19													
20													
21	20	89.0	-3.1	1.1	-0.5	1.1	0.6	0.9					
21	22	89.0	-3.8	0.3	-1.3	0.3	-0.2	0.1					

		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	
13													
14													
15													
16	03	63.4	5.6	3.7	6.1	3.9	5.8	3.8	4.9	3.3	3.8	2.7	
16	11	63.5	5.4	3.5	6.1	3.9	5.8	3.7	4.9	3.3	3.8	2.6	
17													
18													
19													
20													
21	03	84.0	-3.2	20.3	20.0	20.2	21.9	20.1	21.8	21.1			
21	11	84.0	-3.3	20.2	19.9	20.1	21.8	21.0					

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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
	IND04400	IND	68.0	79.5	22.3	2.19	1.42	146	A883	A884	1		
			79.5	22.3	2.19		1.42	146	A887	A882	2		
13													
14													
15													
16	05	63.5	5.8	4.8	4.4	3.8	0.6	0.7	0.8	1.0	0.6	0.9	7.7 5.8
16	13	63.5	6.0	4.5	4.6	3.7	0.4	0.6	0.8	0.9	0.6	0.7	7.8 5.5
17													
18													
19													
20													
21	05	84.0	-1.0	1.2	2.4	1.7	2.1	1.5	1.7				
21	13	84.0	-1.8	0.5	1.7	1.0	1.3	0.8	0.9				

		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		
			76.2	19.5	1.58	1.58	21	A887	A882	1			
13													
14													
15													
16	06	63.6	6.4	4.7	4.0	4.3	3.1	3.6	4.9	5.1	6.5	6.4	4.4 4.7
16	14	63.7	5.1	3.2	8.5	7.8	8.2	7.6	7.4	7.0	7.7	7.2	5.1 5.2
17													
18													
19													
20													
21	06	84.0	13.5	13.3	13.5	12.9	12.7	12.7	2.8				
21	14	84.0	13.4	13.1	13.4	12.8	12.6	12.6	2.7				

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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
	IND04600	IND	68.0	84.7	20.5	1.60	0.86	30	A883	A884	1		
			84.7	20.5	1.60	0.86	30	A887	A882	2			
13													
14													
15													
16	17	63.6	5.8	-10.6	0.7	-10.8	0.6	-10.8	5.1	-10.6	3.9	-10.6	
16	23	63.7	4.5	-15.7	1.4	-15.8	0.6	-15.8	4.8	-15.7	3.3	-15.7	
17													
18													
19													
20													
21	17	84.0	-20.5	2.6	1.7	4.3	3.6	2.8					
21	23	84.0	-25.7	-2.6	-3.5	-0.9	-1.6	-2.5					

		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		
			93.3	11.1	1.92	0.60	96	A887	A882	2			
13													
14													
15													
16	07	63.5	6.1	-0.4	7.6	-0.1	10.3	0.2	10.0	0.1			
16	15	63.6	2.7	-0.4	7.0	0.8	12.8	1.4	10.4	1.3			
17													
18													
19													
20													
21	07	84.0	-9.5	22.4	22.5	21.8	21.1						
21	15	84.0	-8.3	23.6	23.7	22.9	22.3						

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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
	IND04800	IND	68.0	86.2	25.0	1.56	0.90	120	A883	A884	2	
13												
14												
15												
16	04	63.7	0.4	-5.7	0.1	-5.7	-2.7	-6.5	-2.8	-6.5	1.2	-5.5
16	12	63.8	0.4	-7.7	0.2	-7.7	-2.6	-8.2	-2.8	-8.2	1.3	-7.6
17												
18												
19												
20												
21	04	86.0	-14.7	2.3	3.6	0.6	-0.7	2.3	3.0	0.0		
21	12	86.0	-17.1	-0.1	1.1	-1.9	-3.1	-0.2	0.6			

	1	2	3	4	5	6	7	8	9	10	11	12
	INS02800	INS	80.0	101.5	0.0	3.00	1.20	133	A883	A884	2	
13												
14												
15												
16	02	63.3	7.6	5.2	0.2	0.4	2.5	2.2	4.6	3.6	7.3	5.1
16	04	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.4	5.2
16	06	63.3	7.5	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.3	5.2
16	08	63.4	7.6	5.3	0.2	0.4	2.5	2.2	4.6	3.7	7.5	5.3
17												
18												
19												
20												
21	02	84.0	-0.4	2.8	1.4	-0.3	1.1	0.2	0.7	-2.0	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	-0.3	1.1	0.2	0.7	-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

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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
	INS03000	INS	80.0	112.3	-8.1	3.14	1.46	169	A883	A884	1	
13												
14												
15												
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												
18												
19												
20												
21	18	84.0	-13.9	-10.8	-12.1	-13.9	-12.5	-13.4	-12.9	-15.5	-13.5	-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

	1	2	3	4	5	6	7	8	9	10	11	12
	INS03200	INS	80.0	112.3	-0.3	2.66	2.32	109	A883	A884	2	
13												
14												
15												
16	17	64.0	4.9	-3.9	6.7	-3.7	3.8	-4.0	4.8	-3.9	4.6	-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
16	21	64.1	4.8	-4.6	6.5	-4.5	3.6	-4.7	3.8	-4.7	3.1	-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
17												
18												
19												
20												
21	17	84.0	-11.8	-8.7	-10.0	-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

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PLAN 3 DRAFT PLAN - 14 SEP 88

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
	INS03500	INS	104.0	124.3	-3.2	3.34	1.96	82	A883	A884	1	
13												
14												
15												
16	01	63.3	8.6	4.3	10.0	4.7	7.8	4.0	13.8	5.3	14.0	5.3
16	05	63.3	8.5	4.3	9.4	4.5	7.7	4.0	13.5	5.2	13.3	5.2
16	09	63.3	8.5	4.3	9.3	4.5	7.7	4.0	13.3	5.2	13.5	5.3
16	13	63.4	8.4	4.0	8.7	4.1	7.6	3.8	8.6	4.1	5.5	3.0
17												
18												
19												
20												
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
	INS	INS	104.0	135.2	-3.8	2.46	2.00	147	A883	A884	1	
13												
14												
15												
16	03	63.8	5.0	2.8	3.7	2.2	4.0	2.3	6.1	3.3	9.1	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
16	11	63.9	5.0	2.8	3.7	2.2	3.9	2.3	6.1	3.3	9.0	4.3
16	15	63.9	5.2	2.9	3.9	2.3	3.8	2.2	6.1	3.3	8.8	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
17												
18												
19												
20												
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	2.1	4.4	3.2	1.6	2.7	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	1.7	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

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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
	IRL21100	IRL	-31.0	-8.2	53.2	0.84	0.60	162	A883	A884	1	
13												
14												
15												
16	02	64.2	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	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
16	10	64.4	8.3	6.8	7.6	6.4	9.3	7.3	8.7	7.0	7.0	6.0
16	14	64.4	6.1	5.4	6.2	5.5	8.2	6.7	8.3	6.6	6.0	5.3
16	18	64.5	6.2	5.5	6.3	5.6	8.4	6.9	8.6	7.0	6.1	5.5
17												
18												
19												
20												
21	02	84.0	0.5	1.7	0.8	0.3	1.0	0.9	2.6	1.9	3.2	
21	06	84.0	0.5	1.7	0.8	0.3	1.0	0.9	2.6	1.9	3.2	
21	10	84.0	0.5	1.7	0.8	0.3	1.0	0.9	2.6	1.9	3.2	
21	14	84.0	0.5	1.7	0.8	0.3	1.0	0.9	2.6	1.9	3.2	
21	18	84.0	0.6	1.9	0.9	0.5	1.1	1.0	2.7	2.0	3.3	

	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	NOTE 17A
13												
14												
15												
16	03	62.8	7.3	7.8	6.7	7.3	7.8	8.2	11.6	11.4	12.2	11.8
16	07	62.8	7.3	7.8	6.7	7.3	7.7	8.2	11.6	11.4	12.2	11.8
16	11	62.9	7.3	8.0	6.8	7.5	7.6	8.2	11.7	11.8	12.5	12.4
16	15	63.0	8.5	9.2	7.6	8.3	8.1	8.8	11.9	12.2	12.6	12.8
16	19	63.0	7.2	8.0	8.9	9.6	6.8	7.6	10.4	11.0	10.5	11.1
17												
18												
19												
20												
21	03	84.0	8.6	7.9	8.3	7.4	9.3	8.4	8.0	8.5	8.7	8.7
21	07	84.0	8.7	7.9	8.4	7.5	9.3	8.5	8.1	8.5	8.8	8.7
21	11	84.0	10.3	9.6	10.0	9.1	11.0	10.1	9.7	10.1	10.4	10.4
21	15	84.0	11.7	11.0	11.5	10.6	12.4	11.6	11.2	11.6	11.8	11.8
21	19	84.0	12.4	11.7	12.2	11.2	13.1	12.2	11.9	12.3	12.5	12.5

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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
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	
13		1		2		3		4		5	6
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	-0.1	0.6	3.1	3.4	-0.2	0.5	2.1	2.5	0.6 1.2 2.7 3.1
16	28	63.4	0.0	0.6	3.3	3.6	-0.1	0.6	2.4	2.8	2.2 2.6 4.1 4.2
16	32	63.4	0.0	0.6	3.3	3.6	-0.1	0.6	2.4	2.8	2.2 2.6 4.1 4.2
16	36	63.5	0.0	0.6	3.3	3.6	-0.1	0.6	2.4	2.8	2.2 2.6 4.1 4.2
16	40	63.5	1.0	1.8	3.9	4.5	0.2	1.0	2.8	3.5	2.7 3.4 4.8 5.3
17		41.2		38.6		42.1		44.5		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		E	C C
20		0		0		0		0		0	0
21	24	84.0	3.1	2.1	2.7	2.0	2.5	3.5	2.9	1.7	2.3 2.9
21	28	84.0	3.1	2.2	2.7	2.0	2.5	3.6	2.9	1.7	2.3 3.0
21	32	84.0	3.1	2.2	2.7	2.0	2.5	3.6	2.9	1.7	2.3 3.0
21	36	84.0	3.1	2.2	2.7	2.0	2.5	3.6	2.9	1.7	2.3 3.0
21	40	84.0	6.1	5.2	5.7	5.0	5.5	6.6	5.9	4.7	5.3 6.0

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	13, 14.
			-19.0	64.9	1.00	0.60	177	A887	A882	1	13, 14.
											13, 14.
13		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	8.4	7.2	9.3	7.7	7.4	6.6	9.6	7.9	9.2 7.7 8.1 7.0
16	25	65.9	9.3	8.1	10.5	8.8	8.9	7.9	10.7	8.9	10.1 8.6 9.0 8.0
16	29	65.9	9.3	8.1	10.5	8.8	8.9	7.9	10.7	8.9	10.1 8.6 9.0 8.0
16	33	66.0	9.3	8.1	10.5	8.8	9.0	8.0	10.7	8.9	10.1 8.6 9.0 8.0
16	37	66.0	9.3	8.1	10.4	8.8	8.8	7.8	10.7	8.9	10.1 8.6 9.0 8.0
17		-21.8		-22.4		-23.5		-20.3		-18.7	-15.3 -14.4 -15.2 -19.1 -19.6
18		64.2		65.1		66.1		65.7		66.3	65.3 64.3 63.4 63.4 64.9
19		E		G		A		E		G	E G
20		0		0		0		0		0	0 0
21	21	84.0	3.0	2.5	1.2	3.5	3.4	2.6	1.9	2.0	3.0 4.2
21	25	84.0	4.0	3.5	2.2	4.4	4.3	3.5	2.9	3.0	4.0 5.2
21	29	84.0	4.0	3.5	2.2	4.4	4.3	3.5	2.9	3.0	4.0 5.2
21	33	84.0	4.0	3.5	2.2	4.4	4.3	3.5	2.9	3.0	4.0 5.2
21	37	84.0	4.0	3.5	2.2	4.4	4.3	3.5	2.9	3.0	4.0 5.2

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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
ISL05000	ISL	5.0	-19.5	61.0	2.20	0.80	4	A883	A884	1	13, 14.
			-19.5	61.0	2.20	0.80	4	A887	A882	2	13, 14.
											13, 14.
13		1		2		3		4		5	6
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	10.2	9.3	9.1	8.5	6.7	6.7	7.5	7.4	11.7 10.2 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			
20		0		0		0		0		0	
21	23	84.0	5.1	3.9	3.7	5.1	3.9				
21	31	84.0	5.2	3.9	3.7	5.2	4.0				
21	39	84.0	5.1	3.9	3.6	5.1	3.9				

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	1	
13		1		2		3		4		5	6
14		34.8		34.3		35.2		35.5		35.3	
15		29.5		31.2		33.2		32.4		31.3	
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		0		0		0		0	
21	23	84.0	-4.5	-2.7	-4.2	-2.9	-2.3				

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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
J	11100	J	110.0	134.5	31.5	3.52	3.30	68	A883	A884	1	
13			1	2	3	4	5	6	7	8	9	10
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	7.4	3.0	3.6	-1.2	-0.4	7.2	6.8	8.4	7.6
16	03	64.2	2.3	2.4	1.3	1.5	4.8	4.3	10.2	7.3	5.1	4.5
16	05	64.2	8.1	6.3	2.3	2.4	-0.4	0.1	8.1	6.3	8.5	6.5
16	07	64.2	2.4	2.4	1.4	1.6	5.1	4.5	10.3	7.3	5.1	4.5
16	09	64.3	7.7	6.1	2.5	2.5	-0.2	0.3	8.2	6.3	8.5	6.5
16	11	64.3	2.4	2.4	1.4	1.6	5.3	4.6	10.3	7.3	5.1	4.5
16	13	64.3	7.8	6.3	3.6	3.5	1.8	2.0	9.6	7.2	8.5	6.7
16	15	64.4	5.4	4.9	4.3	4.1	4.4	4.2	10.2	7.7	7.4	6.2
17			142.0	131.9	129.3	123.5	123.8	142.3			139.7	130.4
18			45.5	37.3	34.7	25.8	24.3	26.4			35.7	33.6
19			K	K	K	N	N	N			M	M
20			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
21	03	87.0	-0.2	1.9	2.1	0.4	0.3	0.5			2.6	2.6
21	05	87.0	-0.2	1.9	2.1	0.4	0.3	0.5			2.6	2.6
21	07	87.0	-0.2	1.9	2.1	0.4	0.3	0.5			2.6	2.6
21	09	87.0	-0.2	1.9	2.1	0.4	0.3	0.5			2.6	2.6
21	11	87.0	-0.2	1.9	2.1	0.4	0.3	0.5			2.6	2.6
21	13	87.0	-0.2	2.3	2.4	0.8	0.6	0.9			2.9	3.0
21	15	87.0	0.5	2.7	2.8	1.2	1.0	1.2			3.3	3.3
21												1.4

	1	2	3	4	5	6	7	8	9	10	11	12
JOR	22400	JOR	11.0	35.8	31.4	0.84	0.78	114	A883	A884	2	
13			1	2	3	4	5	6				
14			34.5	36.1	38.1	38.3	35.0	33.3				
15			29.1	29.0	30.3	33.3	34.0					
16	23	63.1	1.1	1.4	0.5	0.9	-1.3	-0.7	-1.7	-1.1	-1.6	-1.0
16	27	63.1	0.9	1.3	0.3	0.8	-1.4	-0.8	-3.3	-2.5	-1.6	-1.0
16	31	63.2	0.9	1.3	0.3	0.8	-1.4	-0.8	-3.2	-2.5	-1.6	-1.0
16	35	63.2	0.9	1.3	0.3	0.8	-1.4	-0.8	-3.3	-2.5	-1.6	-1.0
16	39	63.3	0.3	0.8	-0.1	0.4	-1.7	-1.1	-3.3	-2.5	-1.7	-1.1
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	03	85.2	5.3	2.8	4.3	4.4	0.0	1.0				
21	07	85.2	5.3	2.8	4.3	4.4	0.0	1.0				
21	11	85.2	5.3	2.8	4.3	4.4	0.0	1.0				
21	15	85.2	5.3	2.8	4.3	4.4	0.0	1.0				
21	19	85.2	5.3	2.8	4.3	4.4	0.0	1.0				

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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
KEN	24900	KEN	11.0	37.9	1.1	2.29	1.56	94	A883	A884	1	
13			1	2	3	4	5	6				
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
16	25	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.7	6.2	9.1	6.0
16	29	63.8	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0
16	33	63.9	8.8	5.9	11.6	6.8	12.3	7.0	9.6	6.2	9.1	6.0
16	37	63.9	8.5	5.7	11.1	6.6	11.7	6.7	9.1	5.9	8.4	5.6
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	-0.6	-2.0	-1.1	0.1	-2.0					

	1	2	3	4	5	6	7	8	9	10	11	12
KOR	11200	KOR	110.0	127.5	36.0	1.24	1.02	168	A883	A884	2	
13			1	2	3	4	5	6				
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	-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
16	06	63.6	-3.0	-2.4	-2.6	-2.0	-3.0	-2.4	-0.6	-0.2	-1.5	-1.0
16	08	63.7	1.3	1.4	1.9	1.8	1.2	1.3	2.8	2.5	1.5	1.5
16	10	63.7	-0.7	-0.3	-0.4	-0.1	-1.0	-0.6	0.7	0.9	-0.4	-0.1
16	12	63.7	0.6	0.8	-0.6	-0.2	-0.9	-0.5	2.3	2.2	1.4	2.2
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

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PLAN 3 DRAFT PLAN - 14 SEP 88

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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
KRE28600	KRE	110.0	127.0	39.1	1.30	1.10	31	A883	A884	A882	2	
13												
14		1										
15		126.5		128.4		130.7		130.0		124.0		124.7
16	14	64.0	1.8	2.0	1.6	1.9	0.2	0.7	0.1	0.6	0.7	1.1
16	16	64.0	2.5	3.0	3.5	3.9	3.7	4.1	3.8	4.2	0.0	0.7
16	18	64.0	7.3	-5.4	8.1	-5.4	7.6	-5.4	7.1	-5.4	5.1	-5.5
16	20	64.0	2.2	-5.8	1.2	-5.9	-2.3	-6.7	-2.5	-6.7	1.0	-6.0
16	22	64.0	4.8	-5.5	4.2	-5.6	-0.1	-6.2	-0.9	-6.3	1.1	-5.9
17		126.6		128.4		130.7		130.0		124.2		123.5
18		37.8		38.6		42.3		43.0		39.8		38.5
19		N		K		K		M		K		M
20		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	-11.1	-11.5	-13.5	-13.8	-13.0	-11.7	-11.7	-15.2	-13.0	
21	20	87.0	-11.1	-11.5	-13.5	-13.8	-13.0	-11.7	-11.7	-15.2	-13.0	
21	22	87.0	-11.1	-11.5	-13.5	-13.8	-13.0	-11.7	-11.7	-15.2	-13.0	

	1	2	3	4	5	6	7	8	9	10	11	12
KWT11300	KHT	17.0	67.6	29.2	0.68	0.60	165	A883	A884	A882	2	
13												
14		1		2		3		4		5		
15		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	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					

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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
LA028400	LAO	74.0	103.7	18.1	2.16	0.78	133	A883	A884	A882	1	
13												
14		1		2		3		4		5		6
15		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
16	04	63.9	4.6	4.3	3.2	3.2	5.0	4.6	3.5	3.5	4.2	4.0
16	06	63.8	4.2	4.0	3.2	3.2	5.2	4.7	3.5	3.5	4.2	4.0
16	08	63.8	4.6	4.3	3.2	3.2	5.2	4.7	3.5	3.5	4.3	4.1
16	10	63.9	3.3	3.2	-0.9	-0.4	3.6	3.4	3.3	4.3	3.9	6.0
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		
20		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				

	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	A882	2	
13												
14		1		2		3		4		5		6
15		35.4		35.3		36.2		36.8				
15		33.7		33.0		33.7		34.5				
16	03	61.6	0.9	1.3	0.0	0.5	0.9	1.3	-0.3	0.2		
16	07	61.7	0.9	1.3	0.0	0.5	0.9	1.3	-0.3	0.2		
16	11	61.7	0.9	1.3	0.0	0.5	0.9	1.3	-0.3	0.2		
16	15	61.8	0.9	1.3	0.0	0.5	1.0	1.4	-0.3	0.2		
16	19	61.8	0.9	1.3	0.0	0.5	0.9	1.3	-0.3	0.2		
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	01	84.0	2.1	0.3	2.0	0.4						
21	05	84.0	2.0	0.3	2.0	0.4						
21	09	84.0	2.0	0.3	2.0	0.4						
21	13	84.0	2.0	0.3	2.0	0.4						
21	17	84.0	2.0	0.3	2.0	0.4						

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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
LBR24400	LBR	-31.0	-9.3	6.6	1.22	0.70	133	A883	A884	1		
13												
14												
15												
16	03	63.3	3.8	3.5	4.3	3.9	5.8	4.9	5.5	4.7	5.5	4.7
16	07	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.6	4.6	5.4	4.6
16	11	63.3	3.8	3.5	4.2	3.8	5.8	4.9	5.6	4.6	5.4	4.6
16	15	63.4	3.8	3.5	4.3	3.9	5.8	4.9	5.4	4.6	5.4	4.6
17												
18												
19												
20												
21	03	84.0	0.7	0.3	0.9	0.0	-0.4	-0.6				
21	07	84.0	0.7	0.3	0.9	0.0	-0.4	-0.6				
21	11	84.0	0.7	0.3	0.9	0.0	-0.4	-0.6				
21	15	84.0	0.7	0.3	0.9	0.0	-0.4	-0.6				

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	
13			1	2	3	4	5	6			
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 4.2	5.3 3.7	6.0 4.8	5.5 4.1	6.7 5.3	6.0 4.5	4.9 3.9	4.7 3.5	4.7 3.8
16	05	63.5									4.6 3.4
16	09	63.6									4.6 3.4
16	13	63.6									4.6 3.4
16	17	63.7	4.3	3.8	4.9	4.2	5.5	4.6	4.0	3.6	3.9 3.5
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	C	C	E	E
20			0	0	0	0	0	0	0	0	0
21	01	84.0	1.0	2.2	1.1	2.7	1.6	1.3	1.6	1.6	2.5 1.8
21	05	84.0	-0.9	0.3	-0.8	0.3	-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	0.8	-0.3	-0.6	-0.3	-0.3	0.6 -0.1

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PAG. 68

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

	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		
13			1		2		3		4		5	6
14			18.0 22.5		14.0 22.5		10.0 24.5		9.2 26.5		9.2 30.0	11.4 33.5
15												
16	03	63.0	4.3 4.3	4.0 4.0	4.8 4.8	4.4 4.4	4.0 4.0	3.8 3.8	4.0 4.0	3.8 3.8	3.5 3.5	3.4 3.4
16	07	63.1	4.3 4.3	4.0 4.0	4.8 4.8	4.4 4.4	4.0 4.0	3.8 3.8	4.0 4.0	3.8 3.8	3.5 3.5	3.4 3.4
16	11	63.1	4.3 4.3	4.0 4.0	4.8 4.8	4.4 4.4	4.0 4.0	3.8 3.8	4.0 4.0	3.8 3.8	3.5 3.5	3.4 3.4
16	15	63.2	4.3 4.3	4.0 4.0	4.8 4.8	4.4 4.4	4.0 4.0	3.8 3.8	4.0 4.0	3.8 3.8	3.5 3.5	3.4 3.4
16	19	63.3	4.3 4.3	4.0 4.0	4.8 4.8	4.4 4.4	4.0 4.0	3.8 3.8	4.0 4.0	3.8 3.8	3.5 3.5	3.4 3.4
17			25.0 31.5		24.5 26.3		23.6 18.5		17.2 21.4		12.3 22.4	
18											10.1 24.5	9.6 30.2
19			E	C	C	A	A	A	A	C	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 DRAFT PLAN - 14 SEP 88

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
LS030500	LS0	5.0	27.8	-29.8	0.66	0.60	36	A883	A884	1		
13			1	2	3	4	5	6	7	8	9	10
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	5.0	2.9	1.0	1.3	0.8	1.1	3.1	3.0	1.7	1.9
16	28	64.2	3.4	3.2	1.5	1.7	1.3	1.5	3.6	3.4	2.1	2.2
16	32	64.3	3.4	3.2	1.5	1.7	1.3	1.5	3.6	3.4	2.1	2.2
16	36	64.3	2.7	2.7	0.7	1.0	0.5	0.9	2.9	2.8	1.4	1.6
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	2.6	-0.1	-0.5	2.9						0.7
21	28	84.0	2.6	-0.1	-0.5	2.9						0.7
21	32	84.0	2.6	-0.1	-0.5	2.9						0.7
21	36	84.0	2.6	-0.1	-0.5	2.9						0.7
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
LUX11400	LUX	-19.0	6.0	49.8	0.68	0.68	0	A883	A884	1		
13			1	2	3	4	5	6	7	8	9	10
14			6.0	3.9	4.8	7.0						6.0
15			49.7	49.5	47.6	48.5						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
16	07	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7
16	11	63.0	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7
16	15	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7
16	19	63.1	0.9	1.0	0.1	0.3	-2.0	-1.5	-3.6	-3.0	0.6	0.7
17			6.0	3.9	4.8	7.0						6.0
18			49.7	49.5	47.6	48.5						50.1
19			E	H	H	H						E
20			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

PLAN 3 DRAFT PLAN - 14 SEP 88

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
MAU24200	MAU	29.0	59.8	-18.9	1.62	1.24	55	A883	A884	1		
13			1	2	3	4	5	6	7	8	9	10
14			55.0	62.0	65.0	60.0						58.0
15			-18.0	-16.0	-20.0	-14.0						-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
16	06	64.0	5.6	5.9	14.0	11.6	15.1	12.0	5.1	5.5	8.7	8.4
16	10	64.1	5.6	5.9	14.1	11.6	15.4	12.2	5.1	5.5	8.8	8.5
16	14	64.1	5.7	6.0	14.5	11.8	16.2	12.4	5.2	5.6	8.9	8.5
16	18	64.2	5.7	6.2	14.4	12.7	16.0	13.5	5.2	5.8	8.8	8.9
17			55.0	62.0	65.0	60.0						58.0
18			-18.0	-16.0	-20.0	-14.0						-16.0
19			N	N	N	N						N
20			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

	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		
13			1	2	3	4	5	6	7	8	9	10
14			56.0	58.0	62.0	55.0						60.0
15			-10.0	-10.0	-14.0	-18.0						-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
16	08	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0
16	12	63.8	8.2	7.6	9.2	8.3	10.6	9.1	8.5	7.8	6.1	6.0
16	16	63.9	8.3	7.7	9.3	8.3	10.7	9.2	8.5	7.8	6.2	6.1
17			56.0	58.0	62.0	55.0						60.0
18			-10.0	-10.0	-14.0	-18.0						-17.0
19			N	N	N	N						N
20			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

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PLAN 3 DRAFT PLAN - 14 SEP 88

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
	MC011600	MC0	-37.0	7.4	43.7	0.60	0.60	0	A883	A884	1	
13				1	2	3	4	5	6	7	8	
14				4.0	5.0	5.6	10.0					
15				42.0	41.5	46.0	43.5					
16	21	62.4	-2.1	-1.2	-2.1	-1.2	-9.5	-8.5	-2.8	-1.9	-4.2	-3.3
16	25	62.5	-1.3	-0.4	-1.5	-0.6	-8.7	-7.7	-2.6	-1.7	-3.9	-3.0
16	29	62.5	-1.2	-0.5	-1.5	-0.7	-8.5	-7.5	-2.6	-1.8	-4.0	-3.1
16	33	62.6	-1.2	-0.5	-1.5	-0.7	-8.6	-7.6	-2.6	-1.8	-4.0	-3.1
16	37	62.6	-1.3	-0.5	-1.5	-0.7	-8.8	-7.8	-2.6	-1.8	-4.0	-3.1
17				7.4								
18				43.7								
19				L								
20				0								
21	21	84.0	3.7									
21	25	84.0	5.2									
21	29	84.0	2.0									
21	33	84.0	2.0									
21	37	84.0	2.0									

	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	
13				1	2	3	4	5	6			
14				49.0	49.2	46.5	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
16	05	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9
16	09	63.4	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9
16	13	63.5	7.9	7.3	9.5	8.3	12.7	9.9	12.4	9.8	10.5	8.9
16	17	63.5	8.0	7.3	9.6	8.4	12.9	10.0	12.6	9.9	10.6	8.9
17				69.0	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 DRAFT PLAN - 14 SEP 88

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
	MLA22700	MLA	86.0	102.1	4.1	1.62	0.82	135	A883	A884	1	
13				1	2	3	4	5	6			
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	8.0	6.9	7.3	7.6	7.9	9.3	9.2	9.7	9.6
16	18	63.5	6.5	6.2	0.7	1.3	-1.1	-0.4	3.0	3.4	8.4	2.5
16	20	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.4	8.3	2.5
16	22	63.3	6.4	6.1	0.7	1.3	-1.1	-0.4	3.0	3.4	8.4	2.5
16	24	63.4	7.6	7.0	1.0	1.6	-1.0	-0.3	3.3	3.6	9.8	8.4
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	5.9	6.6	7.0	6.6	6.5	7.3				
21	18	84.0	2.1	2.8	3.1	2.8	2.7	3.5				
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				

	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	
13				1	2	3	4	5	6			
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	3.5	9.7	7.7	9.6	7.7	9.1	7.4	4.5	4.4
16	06	63.6	3.4	3.5	9.6	7.7	9.5	7.6	9.0	7.4	4.5	4.4
16	08	63.7	3.5	3.6	9.8	7.8	9.8	7.8	9.4	7.6	4.6	4.5
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	2.2	2.5				
21	04	84.0	1.0	2.9	0.8	2.2	2.2	2.5				
21	06	84.0	1.0	2.9	0.8	2.2	2.2	2.5				
21	08	84.0	1.0	2.9	0.8	2.2	2.2	2.5				

PLAN 3 DRAFT PLAN - 14 SEP 88

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
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	
13											
14											
15											
16	02	63.3	11.4	4.1	9.7	3.8	8.5	3.5	11.4	4.1	10.6
16	06	63.2	11.4	4.1	9.6	3.8	8.4	3.5	11.3	4.1	10.6
16	10	63.3	11.4	4.1	9.6	3.8	8.4	3.5	11.3	4.1	10.6
16	14	63.4	11.4	4.1	9.7	3.8	8.5	3.5	11.3	4.1	10.6
16	18	63.4	11.5	4.1	9.6	3.8	8.5	3.5	11.4	4.1	10.6
17											
18											
19											
20											
21	02	84.0	-1.7	-5.2	-3.4	-3.0	-4.4				
21	06	84.0	-1.7	-5.2	-3.4	-3.0	-4.4				
21	10	84.0	-1.7	-5.2	-3.4	-3.0	-4.4				
21	14	84.0	-1.7	-5.2	-3.4	-3.0	-4.4				
21	18	84.0	-1.7	-5.2	-3.4	-3.0	-4.4				

PLAN 3 DRAFT PLAN - 14 SEP 88

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
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	
13			1	2	3	4		5	6		
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	06	63.8	3.1	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.7
16	08	63.8	3.0	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.6
16	12	63.8	3.0	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.6
16	16	63.9	3.0	1.5	3.2	1.6	4.4	2.2	5.1	2.5	5.6
16	20	63.9	2.0	1.2	2.7	1.7	5.4	3.2	2.6	1.6	3.7
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	06	84.0	-5.0	-4.0	-3.7	-3.2	-2.5	-4.2			
21	08	84.0	-5.0	-4.0	-3.7	-3.2	-2.5	-4.2			
21	12	84.0	-5.0	-4.0	-3.7	-3.2	-2.5	-4.2			
21	16	84.0	-5.0	-4.0	-3.7	-3.2	-2.5	-4.2			
21	20	84.0	-4.0	-3.1	-2.8	-2.3	-1.6	-3.3			

PLAN 3 DRAFT PLAN - 14 SEP 88

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
MNG24800	MNG	74.0	102.2	46.6	3.60	1.13	169	A883	A884	1		
		107.5	47.8	2.00	2.00		0	A886	A882	1		
13		1	2	3	4	5	6	7	8	9	10	11
14		98.8	118.9	110.0	103.4	95.0	87.9					
15		51.9	67.4	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	95.0	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	12.0	2.2				
21	29	89.0	3.7	5.0	6.4	7.6	4.6	-5.2				
21	33	89.0	2.3	3.6	5.0	6.1	3.2	-6.6				
21	37	89.0	11.9	13.1	14.6	15.7	12.7	3.0				
21	39	89.0	11.3	12.6	14.0	15.2	12.2	2.4				

	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			
13		1	2	3	4	5	6	7	8	9	10	11
14		-15.7	-12.0	-5.6	-5.2	-12.0						
15		24.0	23.4	20.0	15.3	14.4						
16	22	62.8	7.7 3.5	8.1 3.6	7.7 3.5	0.1 -0.4	3.8 1.9	5.6 2.8				
16	26	62.9	7.5 3.8	7.9 3.9	7.8 3.9	0.2 -0.1	3.8 2.2	5.6 3.1				
16	30	62.9	7.5 3.0	7.9 3.2	7.8 3.1	0.2 -0.5	3.8 1.6	5.6 2.4				
16	34	63.0	7.5 3.0	7.9 3.2	7.8 3.1	0.2 -0.5	3.8 1.6	5.6 2.4				
16	38	63.0	4.0 1.7	3.6 1.5	5.2 2.3	0.1 -0.5	3.8 1.6	5.5 2.4				
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	84.0	-4.9	-4.2	-4.6	-3.6	-3.8					
21	26	84.0	-4.4	-3.7	-4.1	-3.1	-3.3					
21	30	84.0	-5.5	-4.8	-5.2	-4.2	-4.5					
21	34	84.0	-5.5	-4.8	-5.2	-4.2	-4.5					
21	38	84.0	-5.5	-4.8	-5.2	-4.2	-4.5					

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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
MTN28800	MTN	-37.0	-7.8	23.4	1.63	1.10	141	A883	A884	1		
		12.2	23.4	1.63	1.10	141	A887	A882	2			
13		1	2	3	4	5	6	7	8	9	10	11
14		-5.6	-12.0	-8.4	-4.5							
15		20.0	23.4	27.2	25.0							
16	24	63.0	3.4 2.3	7.5 6.3	5.9 3.6	5.9 3.6						
16	28	63.0	3.5 2.4	7.3 4.3	5.6 3.5	5.8 3.6						
16	32	63.1	3.5 2.4	7.3 4.3	5.6 3.5	5.8 3.6						
16	36	63.1	3.5 2.4	7.3 4.3	5.6 3.5	5.8 3.6						
16	40	63.2	4.3 4.0	11.6 8.0	8.6 6.7	7.1 5.9						
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	84.0	-3.4	-3.5	-3.6	-3.3						
21	28	84.0	-3.3	-3.3	-3.5	-3.2						
21	32	84.0	-3.3	-3.3	-3.5	-3.2						
21	36	84.0	-3.3	-3.3	-3.5	-3.2						
21	40	84.0	0.0	0.0	-0.2	0.1						

	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	1			
13		1	2	3	4	5	6	7	8	9	10	11
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	66.2	10.2 10.9	11.5 12.1	12.5 13.0	11.9 12.5	10.1 10.8	10.1 10.8				
16	28	66.3	10.4 11.1	11.7 12.3	12.7 13.2	11.8 12.4	9.6 10.3	10.2 10.9				
16	32	66.4	10.4 11.1	11.7 12.3	12.7 13.2	11.8 12.4	9.6 10.3	10.2 10.9				
16	36	66.4	10.4 11.1	11.7 12.3	12.7 13.2	11.8 12.4	9.6 10.3	10.2 10.9				
16	40	66.5	10.9 11.8	12.3 13.2	13.4 14.3	14.2 15.1	14.6 15.5	11.6 12.5				
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	15.6	17.0	17.6	16.1	15.7	12.6				
21	28	84.0	15.6	17.0	17.6	16.1	15.7	12.6				
21	32	84.0	15.6	17.0	17.6	16.1	15.7	12.6				
21	36	84.0	15.6	17.0	17.6	16.1	15.7	12.6				
21	40	84.0	23.4	24.9	25.5	23.9	23.5	20.5				

PLAN 3 DRAFT PLAN - 14 SEP 88

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
	NGR11500	NGR	-25.0	8.3	16.8	2.54	2.08	44	A883	A884	2	
13			1		2		3		4		5	6
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	6.9	8.4	7.5	8.0	7.3	6.8	6.4	4.1	4.3
16	28	64.5	7.5	6.9	8.5	7.6	8.1	7.3	6.9	6.5	4.1	4.3
16	32	64.6	7.5	6.9	8.5	7.6	8.1	7.3	6.9	6.5	4.1	4.3
16	36	64.7	7.5	6.9	8.5	7.6	8.1	7.3	6.9	6.5	4.1	4.3
16	40	64.7	9.9	9.1	10.1	9.3	9.7	9.0	7.8	7.6	4.7	5.1
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		C		K		C	
20			0		0		0		0		0	
21	26	84.0	3.6	3.5	2.3		3.4		2.1		5.7	
21	28	84.0	3.6	3.5	2.3		3.4		2.1		5.7	
21	32	84.0	3.6	3.5	2.3		3.4		2.1		5.7	
21	36	84.0	3.5	3.4	2.2		3.3		2.0		5.6	
21	40	84.0	5.4	5.3	4.1		5.2		3.9		7.5	

	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	
13			1		2		3		4		5	6
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	0.8	10.2	2.3	6.0	1.5	4.5	1.0	5.4	1.7
16	26	63.9	3.8	0.7	9.9	2.3	5.8	1.4	4.3	0.9	5.3	1.3
16	30	64.0	3.8	0.7	9.9	2.3	5.8	1.4	4.3	0.9	5.3	1.3
16	34	64.1	3.8	0.7	9.9	2.3	5.8	1.4	4.3	0.9	5.3	1.3
16	38	64.1	3.8	0.7	10.0	2.3	5.8	1.4	4.4	1.0	5.3	1.3
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		K		E		N		P	
20			0		0		0		0		0	
21	22	84.0	-5.8	-3.5	-6.7		-7.1		-5.6		-6.0	
21	26	84.0	-5.9	-3.6	-6.8		-7.1		-5.6		-6.1	
21	30	84.0	-5.9	-3.6	-6.8		-7.1		-5.6		-6.1	
21	34	84.0	-5.9	-3.6	-6.8		-7.1		-5.6		-6.1	
21	38	84.0	-5.9	-3.6	-6.8		-7.1		-5.6		-6.1	

PLAN 3 DRAFT PLAN - 14 SEP 88

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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
	NMB02500	NMB	-19.0	17.5	-21.6	2.66	1.90	48	A883	A884	2	
13			1		2		3		4		5	
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	3.0	8.0	2.5	5.0	1.6	4.4	1.4	-0.4	-1.2
16	29	64.8	11.3	3.1	8.1	2.5	5.1	1.7	4.4	1.4	-0.4	-1.2
16	33	64.8	11.2	3.0	8.1	2.5	5.0	1.6	4.4	1.4	-1.4	-0.1
16	37	64.9	10.9	3.0	8.0	2.5	5.0	1.6	4.3	1.4	-0.4	-1.2
17			17.1		20.0		21.0		25.0		12.0	
18			-22.6		-28.4		-22.0		-17.6		-18.0	
19			E		E		E		E		E	
20			0		0		0		0		0	
21	25	84.0	-3.0	-6.2	-3.8		-6.4		-4.5		-6.4	
21	29	84.0	-3.0	-6.2	-3.8		-6.4		-4.5		-6.4	
21	33	84.0	-3.0	-6.2	-3.8		-6.4		-4.5		-6.4	
21	37	84.0	-3.0	-6.2	-3.8		-6.4		-4.5		-6.4	

	1	2	3	4	5	6	7	8	9	10	11	12
	NOR12000	NOR	5.0	13.1	64.1	1.84	0.88	10	A883	A884	2	
13			1		2		3		4		5	
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	8.5	8.6	2.1	2.9	1.5	2.3
16	18	65.0	9.0	9.2	9.6	9.7	8.2	8.5	2.0	2.8	1.3	2.2
16	38	67.0	10.6	9.7	12.2	10.7	14.3	11.8	9.2	8.8	9.4	8.9
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		C		E	C
20			0		0		0		0		0	0
21	14	84.0	8.0	9.1	9.8	7.1	7.0	9.7	8.2	8.5	7.4	8.4
21	18	84.0	8.0	9.1	9.8	7.1	7.0	9.7	8.2	8.5	7.4	8.4
21	38	84.0	5.3	6.5	7.1	4.4	4.3	7.0	5.5	5.8	4.7	5.7

PLAN 3 DRAFT PLAN - 14 SEP 88

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
	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		
13			1		2	3	4			5		6
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
16	32	66.9	7.6	4.2	6.3	3.7	6.6	3.8	5.6	3.4	2.3	1.5
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			0	0	0	0	0	0	0	0	0	0
21	28	84.0	-2.8	-1.7	-1.0	-3.8	-3.8	-1.1	-2.6	-2.3	-3.6	-2.4
21	32	84.0	-2.8	-1.7	-1.0	-3.7	-3.8	-1.1	-2.6	-2.3	-3.4	-2.4

	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	2		
13			1		2	3	4			5		6
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	4.7	3.3	4.3	8.3	9.1	6.0	6.9	3.0	4.0
16	19	64.6	3.7	4.2	2.9	3.5	7.5	7.3	5.4	5.6	2.5	3.1
16	21	64.6	4.4	4.8	3.5	4.0	8.5	8.1	5.8	6.0	2.8	3.4
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	15.7	14.0	14.8	15.1	13.8			14.6		
21	19	84.0	5.5	3.8	4.6	4.9	3.6			4.4		
21	21	84.0	5.5	3.9	4.6	5.0	3.7			4.5		

PLAN 3 DRAFT PLAN - 14 SEP 88

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
	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	2		
13			1		2	3	4			5		6
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	33.3									
21	07	84.0	33.3									
21	11	84.0	33.3									
21	15	84.0	33.3									

	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	1		
13			1		2	3	4					
14			166.3		171.8	179.0						
15			-45.5		-34.1	-37.6						
16	01	63.3	16.7	15.5	16.5	15.4	16.1	15.2	17.1	15.8		
16	05	63.4	15.4	13.3	15.3	13.2	15.2	13.2	16.1	13.6		
16	09	63.4	15.5	13.3	15.4	13.3	15.2	13.2	16.1	13.6		
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						
18			-45.5		-34.1	-37.6						
19			K		K	K						
20			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	6.8	7.4	6.3	6.9						

PLAN 3 DRAFT PLAN - 14 SEP 88

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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
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 3.5
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

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	1. MLTP BEAMS
			-161.0	-19.8	1.02	0.64	132	A887	A882	2	1. MLTP BEAMS
											1. MLTP BEAMS
13											
14			1	2	3	4	5				
15			-163.5	-158.5	-157.2	-157.6	-160.0				
16			-17.5	-19.4	-20.0	-22.0	-21.3				
16	02	64.7	15.0	11.7	16.3	12.1	15.3	11.8	17.6	12.5	18.6 12.7
16	06	64.6	14.9	11.7	16.2	12.1	15.2	11.8	17.6	12.5	18.5 12.7
16	10	64.7	14.9	11.7	16.2	12.1	15.2	11.8	17.6	12.5	18.5 12.7
16	14	64.8	14.9	11.7	16.2	12.1	15.2	11.8	17.5	12.5	18.5 12.7
17											
18			-163.5	-158.5	-157.2	-157.6	-160.0				
19			-17.5	-19.4	-20.0	-22.0	-21.3				
20			D	D	D	D	D				
21			0	0	0	0	0				
21	02	84.0	6.7	4.9	3.7	6.8	8.0				
21	06	84.0	6.7	4.9	3.7	6.8	8.0				
21	10	84.0	6.7	4.9	3.7	6.8	8.0				
21	14	84.0	6.7	4.9	3.7	6.8	8.0				

PLAN 3 DRAFT PLAN - 16 SEP 88

ねる(3)

PAG 13

MARGE DE PROTECTION GLOBALE EQUIVALENTE / OVERALL EQUIVALENT PROTECTION MARGINS / MARGEN DE PROTECTION 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	2. MLTP BEAMS
		-161.0	-19.8	1.00	0.60	132	A887	A882	2	2. MLTP BEAMS	
										2. MLTP BEAMS	
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	06	64.6	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
16	16	64.5	3.7	4.2	4.3	4.8	8.3	8.1	8.0	7.9	7.9 7.8
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	06	84.0	5.2	4.1	4.9	6.2	5.2	4.2	4.9	6.4	
21	08	84.0	5.2	4.1	4.9	6.2	5.2	4.2	4.9	6.4	
21	12	84.0	5.2	4.1	4.9	6.2	5.2	4.2	4.9	6.4	
21	16	84.0	5.3	4.3	5.1	6.4	5.4	4.4	5.1	6.6	

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PLAN 3 DRAFT PLAN - 14 SEP 88

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
TKL05800	NZL	158.0	-171.8	-8.9	0.70	0.60	35	A883	A884	1	19.
			-171.8	-8.9	0.70	0.60	35	A887	A882	1	19.
											MLTP BEAMS
											19.
											MLTP BEAMS
											19.
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	22.5						
21	24	84.0	21.2	20.4	22.5						

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	2	
13			1	2	3	4					
14			52.0	53.0	58.0	60.0					
15			19.0	17.0	19.0	22.5					
16	24	63.3	3.6	5.6	5.8	5.3	5.0	4.7	2.5	2.7	0.0
16	28	63.3	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.0
16	32	63.4	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.8
16	36	63.4	4.5	4.6	6.7	6.3	7.7	7.0	4.6	4.7	0.0
16	40	63.5	5.4	6.1	7.4	7.9	8.7	9.0	5.9	6.5	2.3
17			52.7	52.0	52.0	57.9	55.0	59.8	55.7	55.5	56.5
18			17.0	18.7	19.0	19.0	20.0	22.3	22.5	25.0	26.4
19			C	C	E	E	C	C	C	C	C
20			75	600	150	0	100	0	100	300	0
21	24	86.0	1.3	0.9	0.9	2.0	4.4	0.5	4.2	2.3	1.3
21	28	86.0	2.8	2.5	2.5	3.6	5.9	2.0	5.8	3.9	2.8
21	32	86.0	2.8	2.5	2.5	3.6	5.9	2.0	5.8	3.9	2.8
21	36	86.0	2.8	2.5	2.5	3.6	5.9	2.0	5.8	3.9	2.8
21	40	86.0	8.0	7.7	7.7	8.8	11.2	7.3	11.0	9.1	8.1

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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
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					
14			70.0	74.5	75.0	74.5					
15			34.0	35.7	32.3	30.8					
16	02	63.9	4.7	5.6	1.8	2.8	4.2	5.1	5.4	6.3	7.8
16	06	64.0	4.7	5.6	1.8	2.8	4.3	5.2	5.4	6.3	8.7
16	10	64.0	4.8	5.7	1.8	2.8	4.3	5.2	5.4	6.3	8.0
17			70.0	74.5	75.0	74.5	71.7				
18			34.0	35.7	32.3	30.8	28.4	30.9			
19			C	E	E	E	E				
20			0	0	0	0	0	0			
21	02	84.0	14.9	14.0	15.2	15.5	16.0				
21	06	84.0	13.5	12.6	13.9	14.1	14.6				
21	10	84.0	15.2	14.3	15.6	15.8	16.3				

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	1	
13			1	2	3	4					
14			75.2	70.1	72.3	73.7					
15			32.2	27.8	33.7	33.9					
16	12	63.5	-0.1	0.8	0.1	1.0	-1.4	-0.5	-0.6	0.3	1.6
16	14	63.6	1.5	2.5	6.2	7.1	2.0	3.0	2.1	3.1	5.1
17			75.2	70.1	72.3	73.7	71.8				
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	7.0	8.3	7.8	8.6	8.2	8.0			
21	14	84.0	15.2	16.5	16.0	16.7	16.4	16.1			

PLAN 3 DRAFT PLAN - 14 SEP 88

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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
PAK28100 PAK 38.0 65.2 27.9 1.52 1.42 28 A883 A884 1													
13													
14													
15													
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													
18													
19													
20													
21	18	84.0	11.3	12.8	11.6	12.2	12.2	12.9	13.6				
21	22	84.0	13.0	14.4	13.2	13.8	14.5	15.2					

		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													
13													
14													
15													
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													
18													
19													
20													
21	20	84.0	16.4	17.3	16.3	17.6	17.6	19.1					
21	24	84.0	21.2	22.1	21.1	22.4	23.9						

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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
PAK28300 PAK 38.0 74.7 33.9 1.34 1.13 160 A883 A884 1													
13													
14													
15													
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													
18													
19													
20													
21	04	84.0	17.4	18.1	17.7	17.4	17.8	17.8	17.3				
21	08	84.0	13.6	14.3	13.9	13.6	14.0	13.5					

		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													
13													
14													
15													
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													
18													
19													
20													
21	16	84.0	2.0	3.6	2.0	2.4	2.4	2.1	3.0				
21	18	84.0	2.0	3.6	2.0	2.4	2.4	2.1	3.0				
21	20	84.0	1.9	3.5	2.0	2.4	2.4	2.1	2.9				
21	22	84.0	2.0	3.5	2.0	2.4	2.4	2.1	2.9				
21	24	84.0	4.7	6.3	4.7	5.2	4.9	5.7					

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PLAN 3 DRAFT PLAN - 14 SEP 88

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
	POL13200	POL	-1.0	19.3	51.8	1.46	0.64	162	A883	A884	2	
13												
14												
15												
16												
16	01	66.1	2.5	0.7	2.8	0.9	1.8	0.3	0.0	-0.8	2.7	0.8
16	05	66.2	-0.7	-1.3	0.7	-0.4	1.2	-0.1	-0.5	-1.0	2.2	0.5
16	09	66.2	-0.7	-1.3	0.7	-0.4	1.2	-0.1	-0.5	-1.0	2.2	0.5
16	13	64.3	0.3	-0.6	1.6	0.1	1.4	0.0	-0.2	-1.0	2.4	0.6
16	17	64.3	0.4	-0.6	1.6	0.1	1.5	0.1	-0.2	-1.0	2.5	0.6
17												
18												
19												
20												
21	01	84.0	-4.5	-3.8	-4.5	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0
21	05	84.0	-4.7	-4.0	-4.8	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2
21	09	84.0	-4.7	-4.0	-4.8	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2
21	13	84.0	-4.7	-4.0	-4.8	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2
21	17	84.0	-4.7	-4.0	-4.8	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2

	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	
13												
14												
15												
16												
16	03	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	-13.9	-12.9
16	07	63.4	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	-13.9	-12.9
16	11	63.5	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	-13.9	-12.9
16	15	63.6	-3.8	-3.1	-4.1	-3.4	-5.5	-4.7	-13.9	-12.9	-13.9	-12.9
16	19	63.6	-3.6	-2.7	-3.9	-3.0	-5.4	-4.5	-13.8	-12.8	-13.8	-12.8
17												
18												
19												
20												
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							

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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
	AZR13400	POR	-31.0	-23.4	36.1	2.56	0.70	158	A883	A884	2	
13												
14												
15												
16												
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												
18												
19												
20												
21	24	84.0	4.3	1.5	3.2	3.0	1.4					
21	28	84.0	4.3	1.5	3.2	3.0	1.4					
21	32	84.0	4.3	1.5	3.2	3.0	1.4					
21	36	84.0	4.3	1.5	3.2	2.9	1.4					
21	40	84.0	7.0	4.2	5.9	5.6	4.1					

	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	
13												
14												
15												
16												
16	02	63.8	-1.3	-1.2	-0.1	-0.2	0.2	0.0	0.5	0.3	0.9	0.6
16	06	63.9	-1.3	-1.2	-0.1	-0.2	0.2	0.0	0.5	0.3	0.9	0.6
16	10	63.9	-1.3	-1.2	-0.1	-0.2	0.2	0.0	0.5	0.3	0.9	0.6
16	14	64.0	-1.2	-1.1	-0.1	-0.2	0.3	0.1	0.5	0.3	1.1	0.7
16	18	64.0	-1.2	-1.1	-0.1	-0.2	0.3	0.1	0.5	0.3	1.0	0.6
17												
18												
19												
20												
21	02	84.0	-3.3	-3.6	-2.3	-2.7	-3.7	-1.5				
21	06	84.0	-3.3	-3.6	-2.3	-2.7	-3.7	-1.5				
21	10	84.0	-3.3	-3.6	-2.3	-2.7	-3.7	-1.5				
21	14	84.0	-3.3	-3.6	-2.3	-2.7	-3.7	-1.5				
21	18	84.0	-3.3	-3.6	-2.3	-2.7	-3.7	-1.5				

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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
	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	6	7	8	9	10
14			30.3	29.0	29.6	31.0						30.5
15			-1.0	-2.2	-2.5	-2.5						-2.5
16	04	64.9	0.0	0.5	0.9	1.3	2.4	2.6	0.9	1.3	1.9	2.2
16	08	64.9	0.0	0.5	0.9	1.3	2.5	2.7	0.9	1.3	1.9	2.2
16	12	64.9	0.1	0.6	0.9	1.3	2.5	2.7	0.9	1.3	2.0	2.3
16	16	65.0	0.1	0.6	0.9	1.3	2.5	2.7	0.9	1.3	2.0	2.3
16	20	65.0	0.0	0.5	0.9	1.3	2.4	2.6	0.7	1.2	1.8	2.1
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						
20			0	0	0	0						
21	04	84.0	0.5	1.3	3.5	0.7						
21	08	84.0	0.5	1.3	3.5	0.7						
21	12	84.0	0.5	1.3	3.5	0.7						
21	16	84.0	0.5	1.3	3.5	0.7						
21	20	84.0	0.4	1.2	3.4	0.6						

	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	1.00	10	A887	A882	1
13			1	2	3	4	5	6	7	8	9	10
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	6.1	2.3	3.1	4.6	5.3	3.8	4.5	3.8	4.5
16	08	67.1	3.4	4.1	2.3	3.1	4.6	5.3	3.8	4.5	3.8	4.5
16	34	67.4	4.5	5.0	7.1	7.2	8.8	8.5	13.1	11.3	11.8	10.6
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	04	84.0	7.4	8.6	9.3	6.5	6.4	9.1	7.6	8.0	6.8	7.8
21	08	84.0	7.4	8.6	9.3	6.5	6.4	9.1	7.6	8.0	6.8	7.8
21	34	84.0	5.5	6.7	7.3	4.6	4.5	7.2	5.7	6.0	4.9	5.9

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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
	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	1.00	10	A887	A882	1
13			1	2	3	4	5	6	7	8	9	10
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	7.8	10.5	9.6	9.4	8.9
16	40	68.2	6.8	4.0	6.3	3.8	8.3	4.5	6.9	4.0	8.5	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	5.2	6.4	7.1	4.3	4.2	6.9	5.4	5.8	4.6	5.6
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
	SDN	23000	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	1	
13			1	2	3	4	5	6	7	8	9	10
14			36.0	34.0	30.0	23.0	23.5	30.0				
15			4.6	8.5	10.0	11.0	8.7	6.0				
16	23	64.4	3.6	2.6	2.3	1.7	2.0	1.5	1.0	0.8	1.2	0.9
16	27	64.5	3.7	2.7	2.3	1.7	2.0	1.5	1.0	0.8	1.2	0.9
16	31	64.5	3.7	2.7	2.3	1.7	2.0	1.5	1.0	0.8	1.2	0.9
16	35	64.6	3.7	2.7	2.3	1.7	2.0	1.5	1.0	0.8	1.2	0.9
16	39	64.6	3.7	2.7	2.3	1.7	2.0	1.5	1.0	0.8	1.2	0.9
17			36.0	34.0	30.0	23.0	28.2	30.5				
18			4.6	8.5	10.0	10.7	4.2	3.6				
19			J	J	K	N	K	C				
20			0	0	0	0	0	0				
21	23	84.0	-3.2	-1.4	-0.4	-2.9	-2.9	-2.9				
21	27	84.0	-3.1	-1.4	-0.4	-2.8	-2.8	-2.8				
21	31	84.0	-3.1	-1.4	-0.4	-2.8	-2.8	-2.8				
21	35	84.0	-3.1	-1.4	-0.4	-2.8	-2.8	-2.8				
21	39	84.0	-3.1	-1.4	-0.4	-2.8	-2.8	-2.8				

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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
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	-2.1	-1.0	-1.7	1.7	-0.1	2.1	0.1	1.1 -0.4
16	26	63.5	-1.6	-2.1	-1.0	-1.7	1.8	0.0	2.1	0.1	1.1 -0.4
16	30	63.6	-1.6	-2.1	-1.0	-1.7	1.8	0.0	2.1	0.1	1.1 -0.4
16	34	63.6	-1.6	-2.1	-1.0	-1.7	1.8	0.0	2.1	0.1	1.1 -0.4
16	38	63.7	-1.6	-2.1	-1.0	-1.7	1.8	0.0	2.1	0.1	1.1 -0.4
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	-6.6	-6.8	-5.4	-6.7	-6.2	-6.5	-5.1		
21	26	84.0	-6.6	-6.8	-5.4	-6.7	-6.2	-6.5	-5.1		
21	30	84.0	-6.6	-6.8	-5.4	-6.7	-6.2	-6.5	-5.1		
21	34	84.0	-6.6	-6.8	-5.4	-6.7	-6.2	-6.5	-5.1		
21	38	84.0	-6.6	-6.8	-5.4	-6.7	-6.2	-6.5	-5.1		

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	1.1	1.6	-0.1	0.5	2.6
16	28	63.3	2.8	3.1	4.9	4.9	1.2	1.7	-0.1	0.5	2.7
16	32	63.4	2.8	3.1	4.9	4.9	1.2	1.7	-0.1	0.5	2.7
16	36	63.4	2.8	3.1	4.9	4.9	1.2	1.7	-0.1	0.5	2.7
16	40	63.5	3.3	3.6	5.8	5.6	5.2	1.8	2.3	0.0	3.0
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	1.6	1.6	1.9	2.6	1.9	2.8	
21	32	84.0	1.6	1.6	1.6	1.6	1.9	2.6	1.9	2.8	
21	36	84.0	1.6	1.6	1.6	1.6	1.9	2.6	1.9	2.8	
21	40	84.0	1.6	1.6	1.6	1.6	1.9	2.6	1.9	2.8	

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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
	SEN22200	SEN	-37.0 -14.4	-14.4 13.8	13.8 1.46	1.46 1.46	1.04 1.04	139 139	A883 A887	A884 A882	2 1			
13			1	2	3	4	5	6	7	8	9	10	11	12
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	65.7	3.2 3.2	3.1 3.1	3.0 3.0	3.0 3.0	5.0 5.0	4.5 4.5	5.0 5.0	4.5 4.5	6.6 6.6	5.5 5.5	4.0 4.0	3.7 3.7
16	33	63.8	3.2 3.2	3.1 3.1	3.0 3.0	3.0 3.0	5.0 5.0	4.5 4.5	5.0 5.0	4.5 4.5	6.6 6.6	5.5 5.5	4.0 4.0	3.7 3.7
16	37	63.9	3.2 3.2	3.1 3.1	3.0 3.0	3.0 3.0	5.0 5.0	4.5 4.5	5.0 5.0	4.5 4.5	6.6 6.6	5.5 5.5	4.0 4.0	3.7 3.7
17			-13.4	-16.1	-16.1	-16.2	-16.2	-16.2	-16.6	-15.1	-13.2	-17.3		
18			13.5	15.6	14.1	12.6	14.4	14.2	14.5	15.2	15.4	14.4		
19			K	K	K	K	K	K	N	K	K	N		
20			0	0	0	0	0	0	0	0	0	0		
21	29	86.0	2.0	0.8	1.3	-0.3	1.2	1.2	0.7	1.4	0.1	-0.2		
21	33	86.0	2.0	0.8	1.3	-0.3	1.2	1.2	0.7	1.4	0.1	-0.2		
21	37	86.0	2.0	0.8	1.3	-0.3	1.2	1.2	0.7	1.4	0.1	-0.2		

1	2	3	4	5	6	7	8	9	10	11	12
SM005700	SM0	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	
13			1	2	3						
14			-172.5	-171.3	-172.0						
15			-13.6	-14.0	-13.8						
16	03	63.7	9.7	9.2	7.7	7.7	9.5	9.0	6.7	6.9	
16	07	63.7	9.7	9.2	7.7	7.7	9.5	9.0	6.7	6.9	
16	11	63.8	9.7	9.2	7.7	7.7	9.5	9.0	6.7	6.9	
16	15	63.8	9.7	9.2	7.7	7.7	9.5	9.0	6.7	6.9	
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	7.7	5.5	7.7	4.5					
21	07	84.0	7.7	5.5	7.7	4.5					
21	11	84.0	7.7	5.5	7.7	4.5					
21	15	84.0	7.7	5.5	7.7	4.5					

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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
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	
13			1		2						
14			12.3		12.0						
15			43.5		43.0						
16	01	62.4	0.7	1.2	0.3	0.9					
16	05	62.5	0.3	0.8	0.0	0.5					
16	09	62.5	0.3	0.8	0.0	0.5					
16	13	62.6	0.3	0.8	0.0	0.5					
16	17	62.7	0.3	0.8	0.0	0.5					
17			12.3		12.0						
18			43.5		43.0						
19			K		K						
20			0		0						
21	01	84.0	2.3	1.0							
21	05	84.0	1.3	0.0							
21	09	84.0	1.3	0.0							
21	13	84.0	1.3	0.0							
21	17	84.0	1.3	0.0							

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	
13			1	2	3	4					
14			43.2	50.4	45.2	42.0					
15			11.2	11.5	2.0	-1.0					
16	03	62.3	4.5	0.3	5.0	0.4	7.8	1.0	5.9	0.6	7.0
16	07	62.4	4.5	0.3	5.0	0.4	7.8	1.0	5.9	0.6	7.0
16	11	62.4	4.5	0.3	5.0	0.4	7.8	1.0	5.9	0.6	7.0
16	15	62.5	4.5	0.3	5.0	0.4	7.9	1.0	6.0	0.7	7.0
16	19	62.6	7.3	0.9	8.2	1.1	10.1	1.3	7.3	0.9	10.0
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	03	84.0	-8.2	-7.9	-6.4	-7.5	-6.1				
21	07	84.0	-8.2	-7.9	-6.4	-7.5	-6.1				
21	11	84.0	-8.2	-7.9	-6.4	-7.5	-6.1				
21	15	84.0	-8.2	-7.9	-6.4	-7.5	-6.1				
21	19	84.0	-8.2	-7.9	-6.4	-7.5	-6.0				

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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
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					

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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
SUI14000	SUI	-19.0	8.2	46.6	0.98	0.70	171	A883	A884	2		
13		1	2	3	4	5	6	7	8	9	10	11
14		6.0	6.9	8.5	10.4	9.0						6
15		46.1	47.3	47.8	46.9	45.7						7.1
16	22	64.1	1.8 2.0	1.4 1.7	1.5 1.8	1.5 1.8	2.0	2.2	2.3	2.5		
16	26	64.1	1.8 2.0	1.5 1.8	1.6 1.9	1.5 1.8	2.0	2.2	2.3	2.4		
16	30	64.2	1.9 2.1	1.6 1.9	1.7 1.9	1.6 1.9	2.1	2.3	2.4	2.5		
16	34	64.3	2.3 2.4	2.2 2.4	2.2 2.4	1.8 2.0	2.2	2.4	2.7	2.8		
16	38	64.3	2.2 2.4	2.2 2.4	2.5 2.6	2.1 2.3	2.4	2.5	2.7	2.8		
17		6.0	6.9	8.5	10.4	9.0						
18		46.1	47.3	47.8	46.9	45.7						
19		H	H	H	H	K	H					
20		0	0	0	0	0	0	0				
21	22	84.0	0.0	0.1	0.0	0.0	0.2	0.6				
21	26	84.0	-0.1	0.1	0.0	0.0	0.1	0.6				
21	30	84.0	-0.1	0.1	0.0	0.0	0.1	0.6				
21	34	84.0	-0.1	0.1	0.0	0.0	0.1	0.6				
21	38	84.0	-0.1	0.1	0.0	0.0	0.1	0.6				

	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		
13		1	2	3	4	5	6	7	8	9	10	11
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 7.9	6.8 6.9	7.8 7.7	6.8 6.9	8.0 7.9					
16	05	62.9	4.8 5.2	3.6 4.2	4.6 5.1	5.7 4.5	4.7 5.2					
16	09	62.9	4.8 5.2	3.6 4.2	4.6 5.1	5.7 4.5	4.7 5.2					
16	13	63.0	4.8 5.2	3.6 4.2	4.6 5.1	3.7 4.5	4.7 5.2					
16	17	63.0	4.8 5.2	3.6 4.2	4.6 5.1	3.7 4.3	4.7 5.2					
17		31.9	31.1	31.3	30.8							
18		-26.7	-25.9	-26.5	-26.6							
19		K	E	E	K	K						
20		0	0	0	0	0	0					
21	01	84.0	5.2	4.9	5.2	4.6	5.2					
21	05	84.0	5.1	4.8	5.2	4.6	5.2					
21	09	84.0	5.1	4.8	5.2	4.6	5.2					
21	13	84.0	5.1	4.8	5.2	4.6	5.2					
21	17	84.0	5.1	4.8	5.2	4.4	5.2					

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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
SYR22900	SYR	11.0	38.3	34.9	1.04	0.90	7	A883	A884	1		
13		1	2	3	4	5	6	7	8	9	10	11
14		42.2	41.0	36.9	35.6							58.3
15		37.2	34.3	32.4	33.0							37.0
16	22	63.2	4.2 3.6	3.9 3.4	2.3 2.2	1.9 1.9	1.5 1.6	3.7 3.3				
16	26	63.3	3.7 3.3	4.1 3.6	2.2 2.1	1.7 1.7	1.4 1.5	3.5 3.1				
16	30	63.3	3.7 3.3	4.2 3.6	2.2 2.1	1.8 1.8	1.4 1.5	3.5 3.1				
16	34	63.4	4.2 3.6	4.2 3.6	2.3 2.2	1.8 1.8	1.4 1.5	3.5 3.1				
17		62.2	61.0	36.9	35.6	35.9						
18		37.2	34.3	32.4	33.0	35.7						
19		K	E	E	K	K						
20		0	0	0	0	0	0					
21	22	84.0	-1.2	-0.2	-0.4	0.0	0.0	0.1				
21	26	84.0	-1.2	-0.1	-0.4	0.0	0.0	0.1				
21	30	84.0	-1.2	-0.1	-0.4	0.0	0.0	0.1				
21	34	84.0	-1.2	-0.1	-0.4	0.0	0.0	0.1				

	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		
13		1	2	3	4	5	6	7	8	9	10	11
14		42.0	37.5	35.0	35.0							
15		37.5	31.0	31.5	33.0							
16	38	63.4	2.8 2.2	1.4 1.2	2.0 1.7	1.4 1.2	0.0 0.1	2.4 1.9				
17		42.0	37.5	35.0	35.0	36.0						
18		37.5	31.0	31.5	33.0	36.0						
19		K	E	E	K	K						
20		0	0	0	0	0	0					
21	38	84.0	-2.5	-2.2	-0.8	-1.0	-2.6	-1.1				

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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
TCD14300	TCD	-13.0	18.1	15.5	3.40	1.72	107	A883	A884	2		
13			1	2	3	4	5	6	7	8	9	10
14			14.0	15.5	23.8	16.5						20.0
15			14.5	22.8	19.3	8.2						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
16	06	64.0	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.3	7.6
16	10	64.1	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6
16	14	64.1	6.6	5.9	7.2	6.3	8.4	7.1	4.7	4.6	9.4	7.6
16	18	64.2	6.6	5.9	7.2	6.3	8.3	7.0	4.7	4.6	9.4	7.6
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
TCH14400	TCH	-1.0	17.3	49.3	1.47	0.60	170	A883	A884	2		
13			1	2	3	4	5	6	7	8	9	10
14			12.1	14.1	22.2	17.7						14.3
15			50.3	48.6	48.4	47.7						51.0
16	03	63.8	-1.8	-2.1	-0.5	-1.2	-0.4	-1.2	0.6	-0.5	-0.4	-1.2
16	07	63.9	-1.8	-2.1	-0.5	-1.2	-0.4	-1.2	0.6	-0.5	-0.4	-1.2
16	11	63.9	-1.4	-1.9	-0.2	-1.0	-0.4	-1.2	0.7	-0.5	-0.3	-1.1
16	15	64.0	-1.5	-1.9	-0.2	-1.0	-0.3	-1.1	0.7	-0.5	-0.2	-1.0
16	19	64.0	-1.5	-1.9	-0.2	-1.0	-0.3	-1.1	0.7	-0.5	-0.2	-1.0
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	-5.1	-4.2	-5.9	-6.4	-4.6					
21	07	84.0	-5.1	-4.2	-5.9	-6.4	-4.6					
21	11	84.0	-5.1	-4.2	-5.9	-6.4	-4.6					
21	15	84.0	-5.1	-4.2	-5.9	-6.4	-4.6					
21	19	84.0	-5.1	-4.2	-5.9	-6.4	-4.6					

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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
TG022600	TG0	-25.0	0.8	8.6	1.52	0.60	105	A883	A884	2		
13			1	2	3	4	5	6	7	8	9	10
14			1.2	0.5	-0.2	0.7						1.9
15			6.1	6.9	11.1	11.0						6.3
16	02	63.4	1.8	1.9	1.5	1.6	1.5	1.6	-1.4	-0.9	-1.3	-0.8
16	06	63.4	1.5	1.6	1.5	1.6	-1.4	-0.9	-1.3	-0.8	-1.1	-0.6
16	10	63.5	1.5	1.6	1.5	1.6	-1.4	-0.9	-1.3	-0.8	-1.1	-0.6
16	14	63.5	1.5	1.6	1.5	1.6	-1.4	-0.9	-1.3	-0.8	-1.0	-0.5
16	18	63.6	1.5	1.6	1.5	1.6	-1.4	-0.9	-1.3	-0.8	-1.1	-0.6
17			1.2	0.3	-0.2	0.7	1.7					
18			6.0	6.9	11.1	11.0	9.2					
19			P	P	K	K	N					
20			0	0	0	0	0					
21	22	84.0	0.4	0.1	0.1	0.5	-0.9	0.1				
21	26	84.0	0.4	0.1	0.1	0.5	-0.9	0.1				
21	30	84.0	0.4	0.1	0.1	0.5	-0.9	0.1				
21	34	84.0	0.4	0.2	0.1	0.6	-0.9	0.2				
21	38	84.0	0.4	0.1	0.1	0.5	-0.9	0.1				

	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		
13			1	2	3	4	5	6	7	8	9	10
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	5.2	5.2	5.9	5.8	5.9	5.8	1.2	1.8
16	05	63.7	0.4	0.7	3.9	3.5	3.3	3.1	3.3	3.1	-0.1	0.3
16	09	63.7	0.3	0.6	3.9	3.5	5.7	4.8	5.7	4.8	-0.1	0.3
16	13	63.8	5.0	5.2	8.3	7.8	10.1	9.0	5.5	5.6	2.8	3.3
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					
20			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	0.2	-0.8	-0.3	-0.4					-0.1
21	09	84.0	0.1	0.2	-0.8	-0.3	-0.4					0.0
21	13	84.0	4.0	4.1	3.1	3.6	3.5					3.9

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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
	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	6	7	8	9	10	11
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	7.5	4.5	5.0	10.1	9.4	12.7	11.0	12.4	10.8	
16	08	63.3	7.5	7.5	4.6	5.1	10.1	9.4	12.7	11.0	12.4	10.8	
16	12	63.4	7.6	7.6	4.6	5.1	10.2	9.5	13.1	11.2	13.0	11.1	
16	16	63.5	7.7	8.6	4.6	5.6	10.3	11.2	13.2	14.0	13.2	14.0	
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	04	84.0	4.6	4.6	5.9	6.2	4.3						
21	08	84.0	4.6	4.4	5.9	6.2	4.3						
21	12	84.0	4.6	4.4	5.9	6.2	4.3						
21	16	84.0	18.2	18.0	19.5	19.8	17.9						

		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		
13			1	2	3	4	5	6					
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	-17.3	3.6	-17.3	8.1	-17.3	6.3	-17.3	7.3	-17.3	
16	26	63.9	5.3	5.5	4.6	4.7	8.4	7.9	6.3	6.3	7.7	7.6	9.8 8.8
16	30	63.9	5.3	5.5	4.6	4.7	8.4	7.9	6.3	6.3	7.7	7.6	9.8 8.8
16	34	64.0	5.3	-5.9	4.4	-5.9	8.4	-5.7	6.3	-5.8	7.7	-5.8	9.8 -5.7
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	21	84.0	-24.4	-27.3	-22.8	-25.1	-22.7	-22.4					
21	25	84.0	6.0	3.1	7.6	5.3	7.7	8.0					
21	29	84.0	6.0	3.1	7.6	5.3	7.7	8.0					
21	31	84.0	-12.6	-15.6	-11.1	-13.3	-10.9	-10.7					

PLAN 3 DRAFT PLAN - 14 SEP 88

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
	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		
13			1	2	3	4	5	6					
14			-10.0	-5.0	10.0	15.0	10.0	-5.0					
15			30.0	36.0	38.0	33.0	36.0	29.5					
16	38	61.9	-1.1	-0.3	2.6	3.2	3.5	4.0	7.1	7.0	4.3	4.7	1.3 2.0
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	E	C	C	C					
20			0	0	0	0	0	0					
21	37	84.0	3.7	4.2	3.3	4.7	4.0	5.4					

		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		
13			1	2	3	4	5	6					
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	3.0	7.1	6.5	3.7	3.9	0.6	1.2	-1.7	-1.0	2.4 2.8
16	05	63.8	0.3	0.8	6.3	5.7	3.2	3.3	0.4	0.9	-1.8	-1.1	2.0 2.3
16	09	63.8	0.3	0.8	6.3	5.7	3.2	3.3	0.4	0.9	-1.8	-1.1	2.0 2.3
16	13	63.9	0.3	0.8	6.4	5.8	3.3	3.4	0.4	0.9	-1.8	-1.1	2.1 2.4
16	17	63.9	0.3	0.8	6.5	5.8	3.3	3.4	0.5	1.0	-1.6	-0.9	2.2 2.5
17			44.8	44.8	36.2	29.8	27.9	25.7	26.6	35.0	42.8	26.3	
18			39.7	37.2	35.9	36.2	36.7	40.2	42.0	42.1	41.7	38.3	
19			K	K	K	L	K	K	K	K	L		
20			0	0	0	0	0	0	0	0	0	0	
21	01	84.0	1.8	1.5	2.5	2.1	1.9	2.2	1.8	2.4	1.6	2.3	
21	05	84.0	1.1	0.8	1.8	1.4	1.2	1.5	1.1	1.7	1.0	1.6	
21	09	84.0	1.1	0.8	1.8	1.4	1.2	1.5	1.1	1.7	1.0	1.6	
21	13	84.0	1.2	0.8	1.8	1.4	1.3	1.5	1.1	1.7	1.0	1.7	
21	17	84.0	1.2	0.8	1.8	1.4	1.3	1.5	1.1	1.7	1.0	1.7	

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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
TZA22500	TZA	11.0	34.6	-6.2	2.61	1.72	129	A883	A884	1		
			34.6	-6.2	2.61	1.72	129	A887	A882	2		
13			1	2	3	4	5	6	7	8	9	10
14			30.5	34.0	40.0	40.0						30.0
15			-1.0	-1.0	-5.0	-10.5						-6.0
16	23	63.7	2.8	2.6	4.7	4.0	8.1	5.9	9.1	6.4	5.6	4.6
16	27	63.8	2.8	2.6	4.8	4.0	8.2	6.0	9.3	6.5	5.7	4.6
16	31	63.8	2.8	2.6	4.8	4.0	8.2	6.0	9.3	6.5	5.7	4.6
16	35	63.9	2.8	2.6	4.8	4.0	8.2	6.0	9.3	6.5	5.7	4.6
16	39	63.9	2.7	2.5	4.6	3.9	8.0	5.9	9.0	6.3	5.6	4.6
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	23	84.0	-0.5	-0.4	-1.2	-0.4	-0.7	0.2				
21	27	84.0	-0.5	-0.4	-1.2	-0.4	-0.6	0.2				
21	31	84.0	-0.5	-0.4	-1.2	-0.4	-0.6	0.2				
21	35	84.0	-0.5	-0.4	-1.2	-0.4	-0.6	0.2				
21	39	84.0	-0.6	-0.5	-1.2	-0.4	-0.7	0.2				

	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		
13			1	2	3	4	5	6	7	8	9	10
14			50.8	51.9	54.9	55.8						56.0
15			24.6	23.0	22.4	24.0						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
16	25	63.2	6.0	4.6	6.3	4.8	4.5	3.7	6.2	4.7	5.5	6.3
16	29	63.3	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	6.2
16	33	63.3	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2
16	37	63.4	5.9	4.5	6.2	4.7	4.5	3.7	6.1	4.6	5.4	4.2
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

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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
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	A887	A882	2		
13			1	2	3	4	5	6	7	8	9	10
14			34.0	31.2	30.0	29.8						34.6
15			4.3	3.7	0.7	-1.3						1.3
16	03	63.3	5.8	2.4	7.3	2.9	5.5	2.3	1.3	0.2	3.0	1.2
16	07	63.3	5.8	2.4	7.3	2.9	5.5	2.3	1.3	0.2	2.9	1.1
16	11	63.3	5.8	2.4	7.3	2.9	5.5	2.3	1.3	0.2	2.9	1.1
16	15	63.4	5.8	2.4	7.3	2.9	5.5	2.3	1.3	0.2	2.9	1.1
16	19	63.4	5.8	2.4	7.3	2.9	5.5	2.3	1.3	0.2	2.9	1.1
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	03	84.0	-5.5	-5.6	-4.4	-5.5	-5.5	-4.5				
21	07	84.0	-5.5	-5.6	-4.4	-5.5	-5.5	-4.5				
21	11	84.0	-5.5	-5.6	-4.4	-5.5	-5.5	-4.5				
21	15	84.0	-5.5	-5.6	-4.4	-5.5	-5.5	-4.5				
21	19	84.0	-5.5	-5.6	-4.4	-5.5	-5.5	-4.5				

	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		
			29.5	51.4	2.00	2.00	0	A886	A882	1		
13			1	2	3	4	5	6	7	8	9	10
14			23.5	23.4	26.5	30.5						30.9
15			53.9	51.5	49.8	51.2						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
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					

PLAN 3 DRAFT PLAN - 14 SEP 88

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													
		BLR06201	URS	23.0	27.8	52.6	1.08	0.72	1	A883	A884	2	
				24.8	56.7	2.00	2.00	0	A886	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	3.0	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							

		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	
				29.5	51.4	2.00	2.00	2.00	0	A886	A882	1	
13				1	2	3	4	5					6
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	66.6	4.1	2.5	9.4	4.6	0.0	-0.2	4.0	2.4	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
16		37	64.7	4.1	2.5	9.3	4.6	0.0	-0.2	4.0	2.4	7.9	4.1
17				33.0	39.7	38.6	34.1						
18				63.2	60.5	51.7	44.8						
19				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	-3.8						

PLAN 3 DRAFT PLAN - 14 SEP 88

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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													
		URS05900	URS	23.0	36.0	47.0	3.70	1.43	153	A883	A884	2	
				47.2	40.9	2.00	2.00	2.00	0	A886	A882	1	
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		27	65.2	-1.2	-0.2	5.6	6.5	6.1	7.0	8.3	9.2	2.9	3.9
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		27	89.0	15.7	15.7	15.8	15.8						

		1	2	3	4	5	6	7	8	9	10	11	
12													
		URS05901	URS	23.0	36.0	47.0	3.70	1.43	153	A883	A884	2	
				29.5	51.4	2.00	2.00	2.00	0	A886	A882	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	-1.2	-0.2	5.7	6.7	6.2	7.2	8.4	9.4	2.9	3.9
17				53.0	57.8	56.0	43.9						
18				63.2	60.5	51.7	44.8						
19				C	E	K							
20				0	0	0	0						
21		31	89.0	25.4	24.8	25.0	25.1						

PLAN 3 DRAFT PLAN - 14 SEP 88

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
URS05902	URS	23.0	36.0	47.0	3.70	1.43	153	0	A883	A884	2	
13												
14												
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PLAN 3 DRAFT PLAN - 14 SEP 88

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
	URS06400	URS	23.0	45.6	40.8	2.16	0.60	163	A883	A884	A882	1
13				1	2	3	4	5	6	7	8	
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	1.3	2.2	1.5	2.4	0.7	1.7
16	05	63.9	0.6	1.4	1.2	1.9	2.1	2.8	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	0.3
16	13	64.1	0.6	1.4	1.2	1.9	2.1	2.8	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	-0.2	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	11.5	11.6	11.7	11.7						
21	05	89.0	4.4	4.4	4.5	4.5						
21	09	89.0	4.4	4.4	4.5	4.5						
21	13	89.0	4.3	4.4	4.5	4.5						
21	17	89.0	4.6	4.6	4.8	4.8						

	1	2	3	4	5	6	7	8	9	10	11	12
	URS064X0	URS	23.0	45.6	40.8	2.16	0.60	163	A883	A884	A882	1
13				1	2	3	4	5	6	7	8	
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
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						

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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
	URS06500	URS	23.0	32.4	63.1	1.18	0.60	175	A883	A884	A882	1
13				1	2	3	4	5	6	7	8	
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	3.3	6.1	4.2	6.8	4.5	5.2	3.7	4.6	3.8
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	K	E	C				
20				0	0	0	0	0	0	0		
21	20	89.0	-2.7	-2.4	-2.2	-2.1	-2.1	-2.1	-2.3	-2.6		

	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	A882	2
13				1	2	3	4	5	6	7	8	
14				53.9	62.4	71.6	69.0	87.3	66.6			
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
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 DRAFT PLAN - 14 SEP 88

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
	URS06601	URS	44.0	64.3	44.6	4.56	2.48	169	A883	A884	A882	2
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	24	65.4	7.8	8.4	10.2	10.6	8.5	9.1	17.1	15.6	14.5	16.0
16	32	65.5	8.1	9.1	12.1	13.0	17.9	18.6	19.2	19.8	1.7	2.7
17			81.2		87.1		65.4		71.0			
18			50.8		48.6		40.9		47.2			
19			E		E		E					
20			0		0		0					
21	24	89.0	9.2	9.2	9.5		9.4					
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	44.6	4.56	2.48	169	A883	A884	A882	2
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	28	65.5	8.1	9.1	12.0	13.0	17.8	18.6	13.8	14.7	13.8	14.7
17			70.4		61.5		54.4		68.9		47.0	56.1
18			59.8		50.8		47.7		50.4		58.7	74.0
19			C		E		C		C		A	
20			0		0		0		0		0	
21	28	89.0	22.9	23.1	23.2		23.2		23.0		22.6	

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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
	URS06603	URS	44.0	64.3	44.6	4.56	2.48	169	A883	A884	A882	2
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	36	65.6	8.1	9.1	12.1	13.1	18.2	19.0	19.6	20.3	16.7	17.6
16	40	65.6	8.1	9.1	12.1	13.1	18.2	19.0	19.7	20.4	16.7	17.6
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	
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	

	1	2	3	4	5	6	7	8	9	10	11	12
	URS06700	URS	44.0	62.4	58.5	3.20	1.52	169	A883	A884	A882	1
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	05	66.4	11.4	12.2	12.6	13.3	12.3	13.1	12.9	13.6	13.4	14.1
16	09	66.4	11.4	12.2	12.6	13.3	12.3	13.1	12.9	13.6	13.4	14.1
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	
21	05	89.0	15.7	16.0	16.2		16.2		16.1		15.9	
21	09	89.0	15.7	15.9	16.1		16.2		16.0		15.9	

PLAN 3 DRAFT PLAN - 14 SEP 88

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	
URS06701 URS 44.0 62.4 58.5 3.20 1.52 169 A883 A884 1													
13													
14													
15													
16		13	66.5	11.2	9.9	12.4	10.5	12.4	10.5	11.7	10.2	12.2	10.4
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		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	
URS06702 URS 44.0 62.4 58.5 3.20 1.52 169 A883 A884 1													
13													
14													
15													
16		01	66.3	13.4	11.1	15.9	12.1	15.3	11.9	13.7	11.2	13.8	11.3
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	3.8	3.8	4.1	4.0						

PLAN 3 DRAFT PLAN - 14 SEP 88

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	
URS06800 URS 44.0 59.0 38.8 2.24 1.00 164 A883 A884 2													
13													
14													
15													
16		26	64.0	17.3	18.3	17.2	18.2	18.8	19.8	15.4	16.4	14.6	15.6
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		26	89.0	33.4	33.4	33.7	33.6						

		1	2	3	4	5	6	7	8	9	10	11	
URS06801 URS 44.0 59.0 38.8 2.24 1.00 164 A883 A884 2													
13													
14													
15													
16		30	64.1	17.3	18.3	17.2	18.2	18.9	19.8	15.4	16.4	14.6	15.6
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	E	E					
20				0	0	0	0	0					
21		30	89.0	27.9	27.9	28.0	28.2	28.0					

PLAN 3 DRAFT PLAN - 14 SEP 88

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
	URS06900	URS	44.0	70.8	38.5	1.36	0.74	161	A883	A884	2	
13			1	2	3	4	5	6	7	8	9	10
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
16	16	64.1	6.2	3.7	5.0	3.1	3.7	2.4	5.7	3.5	6.9	4.0
17			68.4	73.6	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	-4.6	-4.3	-4.1	-4.3					
21	16	89.0	-3.7	-3.7	-3.6	-3.4						

	1	2	3	4	5	6	7	8	9	10	11	12
	URS07000	URS	44.0	73.9	41.0	1.34	0.84	5	A883	A884	2	
13			1	2	3	4	5	6	7	8	9	10
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	8.9	12.3	11.4	8.7	8.8	4.0	4.7	7.5	7.8
16	22	64.6	9.8	9.7	12.8	11.8	10.5	10.2	4.2	4.9	7.9	8.1
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	6.0	5.9	6.3	6.1						
21	22	89.0	6.0	6.0	6.3	6.2						

PLAN 3 DRAFT PLAN - 14 SEP 88

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
	URS07100	URS	44.0	63.1	42.0	2.64	0.84	170	A883	A884	2	
13			1	2	3	4	5	6	7	8	9	10
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
16	38	64.5	14.0	15.0	9.3	10.3	9.8	10.8	18.7	19.7	16.1	17.1
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	34	89.0	33.9	33.9	34.2	34.1						
21	38	89.0	32.8	32.8	33.1	33.0						

	1	2	3	4	5	6	7	8	9	10	11	12
	URS07200	URS	44.0	70.1	61.5	2.38	0.66	173	A883	A884	1	
13			1	2	3	4	5	6	7	8	9	10
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
17			70.4	61.5	56.4	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	15.5	15.1	14.8				

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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
		URS07300	URS	44.0	54.3	63.5	1.58	0.66	3	A883	A884	1	
13													
14													
15													
16		03	66.9	10.6	11.4	, 11.6	12.3	12.4	13.1	13.1	13.7	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		03	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
		URS07400	URS	74.0	88.8	57.6	3.08	1.68	162	A883	A884	2	
13													
14													
15													
16		26	67.9	10.8	11.5	8.3	9.1	15.7	15.7	10.7	11.4	16.3	16.2
17				68.0	10.9	11.5	8.6	9.4	15.8	15.8	10.7	11.4	16.3
18				68.0	10.2	10.9	8.4	9.2	15.8	15.8	10.7	11.4	16.3
19				68.1	7.6	8.3	5.6	6.4	13.2	13.2	9.9	10.4	14.2
20													
21				29.5	50.3	51.8	46.8	37.3					
22				67.2	54.7	47.4	45.1	48.4					
23				C	E	C	K						
24				0	0	0	0	0					
25		26	89.0	12.7	13.1	13.2	13.2	13.2	13.1				
26				89.0	12.6	13.0	13.1	13.1					
27				89.0	12.7	13.1	13.2	13.2	13.1				
28				89.0	9.9	10.2	10.4	10.4	10.2				

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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
		URS07500	URS	74.0	94.0	51.7	1.52	0.60	172	A883	A884	2	
13													
14													
15													
16		32	65.1	1.1	1.7	2.0	2.5	0.3	1.0	1.2	1.8	1.6	2.2
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					
20				0	0	0	0	0					
21		32	89.0	5.1	3.8	5.1	2.3	3.4		5.2			

		1	2	3	4	5	6	7	8	9	10	11	12
		URS07600	URS	74.0	98.0	63.2	1.84	0.69	170	A883	A884	2	
13													
14													
15													
16		28	68.1	3.1	3.5	4.5	4.7	6.0	5.9	3.0	3.4	5.5	5.5
17				104.4	108.3	99.4	106.5	88.8		91.2			
18				58.7	64.1	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			

PLAN 3 DRAFT PLAN - 14 SEP 88

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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	
URS07700	URS	110.0	112.7	57.3	2.67	1.75	2	A883	A884	1		
		137.0		50.5	2.00	2.00	0	A886	A882	2		
13		117.8	1	110.8	2	103.6	3	103.0	4	125.0	5	
14		69.4		49.1		50.1		59.6		55.0		
15		0.3	-18.2	1.9	-18.2	4.1	-18.2	11.7	-18.2	2.3	-18.2	
16	19	66.1	2.4	-15.3	3.9	-15.2	6.3	-15.2	14.5	-15.2	4.5	-15.2
16	23	66.1	19.1	20.1	19.6	20.6	16.0	17.0	13.1	14.1	16.1	17.1
16	27	67.2	19.1	20.1	19.4	20.4	15.0	16.0	15.3	16.3	16.1	17.1
16	31	67.2	19.1	20.1	19.7	20.7	16.1	17.1	15.7	16.7	16.1	17.1
16	35	67.3	19.1	20.1	19.7	20.7	16.1	17.1	15.7	16.7	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
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	-28.2	-28.2	-27.7	-28.0						
21	23	89.0	-25.2	-25.2	-24.7	-24.9						
21	27	89.0	35.2	35.2	35.7	35.4						
21	31	89.0	35.2	35.2	35.7	35.4						
21	35	89.0	35.1	35.2	35.6	35.4						
21	39	89.0	26.9	27.0	27.4	27.2						

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	
		110.0		60.0	2.00	2.00	0	A886	A882	2	
13		107.8	1	98.5	2	100.2	3	114.2	4	108.5	5
14		50.0		52.2		53.2		53.1		56.6	
15	25	65.0	0.5	1.5	0.7	1.7	2.0	3.0	3.5	4.5	4.7
16		121.3		116.2		103.8		98.7		22.1	
17		60.2		51.4		51.4		60.2		20.2	
18		C		E		E		C			
19		0		0		0		0			
20	25	89.0	24.3	24.5	26.3	27.2	25.0	26.0	22.1	23.1	17.7
21		24.3		25.3		26.3		26.0		18.7	
21		24.5		25.4		26.3		26.0		20.1	
21		24.5		25.4		27.2		27.2		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3		26.0		21.1	
21		24.5		25.4		26.3		26.0		21.1	
21		24.3		25.3		26.3					

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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
URS08100	URS	140.0	168.5	65.5	1.96	0.60	168	A883	A884	1		
			168.5	65.5	2.00	2.00	0	A886	A882	2		
13												
14												
15												
16	22	68.1	32.3	32.9	28.0	28.9	12.9	13.9	33.1	33.6	28.7	29.5
17												
18												
19												
20												
21	22	89.0	33.9	34.0	33.9	33.7						

	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												
14												
15												
16	01	62.5	4.1	4.6	6.4	6.2	17.9	11.5	17.4	11.4	12.0	9.7
16	05	62.5	3.7	4.0	5.7	5.7	16.3	11.2	16.7	11.3	10.7	9.0
16	09	62.6	3.7	4.0	5.8	5.7	16.3	11.2	16.7	11.3	10.8	9.1
16	13	62.6	3.6	3.9	5.7	5.7	15.4	10.9	14.9	10.8	10.5	8.9
17												
18												
19												
20												
21	01	87.0	3.0	4.3	5.1	2.7	3.3	4.2	2.5	3.5	2.4	
21	05	87.0	3.0	4.3	5.1	2.7	3.3	4.2	2.5	3.5	2.4	
21	09	87.0	3.0	4.3	5.1	2.7	3.3	4.2	2.5	3.5	2.4	
21	13	87.0	3.0	4.3	5.1	2.7	3.3	4.2	2.5	3.5	2.4	

PLAN 3 DRAFT PLAN - 14 SEP 88

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
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												
14												
15												
16	17	62.7	11.0	10.2	12.9	11.3	18.7	13.6	16.5	12.9	13.5	11.6
17												
18												
19												
20												
21	17	87.0	5.3	4.8	5.1	2.7	3.3	4.2	2.5	3.5	2.4	

	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												
14												
15												
16	02	63.4	7.1	5.9								
16	06	63.4	7.1	5.9								
16	10	63.4	7.2	6.0								
16	14	63.5	7.2	6.0								
17												
18												
19												
20												
21	02	87.0	0.4	1.7	2.5	0.1	0.7	1.6	-0.1	0.9	-0.2	
21	06	87.0	0.4	1.7	2.5	0.1	0.7	1.6	-0.1	0.9	-0.2	
21	10	87.0	0.4	1.7	2.5	0.1	0.7	1.6	-0.1	0.9	-0.1	
21	14	87.0	0.4	1.7	2.5	0.1	0.7	1.6	0.0	0.9	-0.1	

PLAN 3 DRAFT PLAN - 14 SEP 88

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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
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											
14											
15											
16	18	63.5	7.3	6.8	,						
17											
18											
19											
20											
21	18	87.0	2.5	2.1	2.3						

1	2	3	4	5	6	7	8	9	10	11	12
MRA33200	USA	122.0	145.9	16.9	1.20	0.60	76	A883	A884	1	
		151.1	11.6	6.48	3.49	179	A887	A882	2		
13			1	2	3						
14			145.0	165.6	146.9						
15			20.0	15.1	15.1						
16	03	63.5	-3.5	-2.6	4.5	6.7	2.6	3.1			
16	07	63.5	-3.6	-2.7	4.5	4.7	2.6	3.1			
16	11	63.6	-3.6	-2.7	4.5	4.7	2.6	3.1			
16	15	63.6	-3.6	-2.7	4.5	4.7	2.6	3.1			
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	N	N	P	P	D	N	P	
20			0	0	0	0	0	0	0	0	
21	03	87.0	3.1	4.4	5.2	2.8	3.4	4.3	2.6	3.6	2.5
21	07	87.0	3.1	4.4	5.2	2.8	3.4	4.3	2.6	3.6	2.5
21	11	87.0	3.1	4.4	5.2	2.8	3.4	4.3	2.6	3.6	2.6
21	15	87.0	3.1	4.4	5.2	2.8	3.4	4.3	2.6	3.6	2.6

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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
MRA33201	USA	122.0	145.9	16.9	1.20	0.60	76	A883	A884	1	
		-157.5		21.0	2.02	0.60	115	A887	A882	2	
13											
14											
15											
16	19	63.7	9.5	9.2	7.6	7.7	6.2	145.0	145.6	146.9	
								20.0	15.1	15.1	
								D	D	D	
								0	0	0	
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	5.6	5.2	5.4						

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		162.1	167.3	171.1	169.5	170.2						
14		11.5	9.1	7.1	6.0	12.5						
15												
16	02	63.3	12.8	13.5	17.1	17.3	13.6	16.2	14.0	14.6	15.6	16.0
16	06	63.3	12.8	13.5	17.1	17.3	13.6	14.2	14.0	14.6	15.6	16.0
16	10	63.4	13.2	13.9	17.5	17.5	13.8	14.4	14.1	14.7	15.9	16.3
16	14	63.5	13.5	14.0	17.5	17.5	13.8	14.4	14.1	14.7	16.0	16.4
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	15.1	16.3	17.2	15.0	15.6	16.8	15.0	16.0	15.0	
21	06	87.0	15.1	16.3	17.2	15.0	15.6	16.8	15.0	16.0	15.0	
21	10	87.0	15.3	16.5	17.4	15.2	15.8	17.0	15.2	16.2	15.2	
21	14	87.0	15.4	16.6	17.5	15.2	15.9	17.1	15.3	16.2	15.3	

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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
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												
14												
15												
16	18	63.5	15.8	16.4	19.6	19.6	16.9	17.3	18.5	18.7	19.0	19.1
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	16.6	17.1	16.7	17.2	16.5	16.5				

	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												
14												
15												
16	01	62.4	6.4	6.6	6.3	6.5						
16	05	62.4	5.5	5.6	5.5	5.6						
16	09	62.5	5.5	5.6	5.5	5.6						
16	13	62.6	5.5	5.6	5.5	5.6						
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	4.9	4.8	4.7	5.3	4.8	4.1				
21	05	87.0	3.8	3.7	3.5	4.2	3.7	3.0				
21	09	87.0	3.8	3.7	3.5	4.2	3.7	3.0				
21	13	87.0	3.8	3.7	3.5	4.2	3.7	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
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												
14												
15												
16	17	62.6	5.6	5.7	5.6	5.7						
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	E	D	D	D	E			
20			0	0	0	0	0	0	0			
21	17	87.0	4.2	4.1	5.7	4.5	3.0	4.3	4.6			

	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												
14												
15												
16	01	61.2	12.6	10.8	13.5	11.3	13.3	11.2	0.4	1.2		
16	05	61.3	8.2	8.0	9.0	8.6	8.8	8.4	-3.4	-2.5		
16	09	61.3	8.2	8.0	9.0	8.6	8.8	8.4	-3.5	-2.6		
16	13	61.3	8.2	8.0	9.0	8.6	8.7	8.4	-3.5	-2.6		
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	02	87.0	4.9	4.8	4.6	5.3	4.7	4.1				
21	06	87.0	4.9	4.8	4.6	5.3	4.7	4.1				
21	10	87.0	4.9	4.8	4.6	5.3	4.7	4.1				
21	14	87.0	4.9	4.8	4.6	5.3	4.7	4.1				

PLAN 3 DRAFT PLAN - 14 SEP 88

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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
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												
14												
15												
16												
17	61.4	8.8	8.1	9.5	8.6	9.2	8.4		-3.1	-2.2		
18		-125.0	-123.0	-123.8	-117.1	-122.0	-120.0		-118.0			
19		48.2	49.0	39.0	32.5	52.0	40.0		33.0			
20		D	D	D	E	D	D		E			
21		0	0	0	0	0	0		0			
	18	87.0	4.4	4.3	5.8	4.6	3.1	4.4	4.8			

	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												
14												
15												
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	7.9	
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	7.9	
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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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
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												
14												
15												
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	14.7	14.3	14.7	14.4	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												
14												
15												
16	03	63.5	-1.4	-0.8	-1.1	-0.5	4.6	4.2	6.9	5.8	6.1	5.3
16	07	63.5	-1.4	-0.8	-1.1	-0.5	4.6	4.2	6.9	5.7	6.1	5.2
16	11	63.5	-1.7	-0.8	-1.6	-0.7	5.3	5.9	9.2	9.3	11.0	10.7
16	15	63.6	4.0	4.2	-0.1	0.6	9.4	8.1	11.9	9.4	7.8	7.1
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	3.7	3.6	4.1	4.7	1.9	2.5	6.2			

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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
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	4	5	6	7	8	9
14			166.9	169.8	168.3						
15			-15.0	-20.0	-17.7						
16	03	62.8	12.1	6.8	6.6	4.7	11.6	6.6			
16	07	62.9	12.2	6.8	6.7	4.8	11.7	6.7			
16	11	63.0	12.2	6.8	6.7	4.8	11.7	6.7			
16	15	63.0	12.5	6.8	6.7	4.8	11.8	6.7			
17			166.9	169.8	168.3						
18			-15.0	-20.0	-17.7						
19			P	N	N						
20			0	0	0						
21	26	84.0	0.2	-2.1	1.5						
21	50	84.0	0.2	-2.1	1.5						
21	54	84.0	0.2	-2.1	1.5						
21	58	84.0	0.2	-2.1	1.5						

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	6	7	8	9
14			62.0	62.0	44.0	44.5		45.5			
15			15.7	17.5	18.0	14.0		15.0			
16	02	62.6	3.0	1.9	0.6	0.3	0.1	-0.1	5.2	3.1	3.5 2.1
16	06	62.7	3.0	1.9	0.6	0.3	0.1	-0.1	5.2	3.1	3.3 2.1
16	10	62.7	3.0	1.9	0.6	0.3	0.1	-0.1	5.2	3.1	3.3 2.1
16	14	62.8	3.1	2.0	0.7	0.4	0.1	-0.1	5.2	3.1	3.3 2.1
16	18	62.8	3.0	1.9	0.6	0.3	0.1	-0.1	5.2	3.1	3.3 2.1
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	-3.9	-0.8	-2.1						
21	06	84.0	-3.9	-0.8	-2.1						
21	10	84.0	-3.9	-0.8	-2.1						
21	14	84.0	-3.9	-0.8	-2.1						
21	18	84.0	-3.9	-0.8	-2.1						

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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
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	A887	A882	1	
13			1	2	3	4	5	6	7	8	9
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	2.3	6.6	2.7	4.8	2.0	6.3	2.6	7.5 3.0
16	05	62.9	5.3	0.8	4.2	1.2	2.6	0.5	4.5	1.3	5.0 1.5
16	09	62.9	5.3	0.8	4.2	1.2	2.6	0.5	4.5	1.3	5.0 1.5
16	13	63.0	5.3	0.8	4.2	1.2	2.6	0.5	4.5	1.3	5.1 1.5
16	17	63.0	5.4	0.9	4.2	1.2	2.6	0.5	4.6	1.4	5.2 1.6
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	E	E				
20			0	0	0	0	0	0			
21	01	84.0	-5.0	-2.4	-3.6	-2.8	-5.6	-2.4			
21	05	84.0	-6.1	-3.4	-4.7	-3.9	-6.6	-3.5			
21	09	84.0	-6.1	-3.4	-4.7	-3.9	-6.6	-3.5			
21	13	84.0	-6.1	-3.4	-4.7	-3.9	-6.6	-3.5			
21	17	84.0	-6.1	-3.4	-4.7	-3.9	-6.6	-3.5			

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	7	8	9
14			13.4	21.0	20.1	16.1	22.7	23.0			
15			44.4	40.6	46.3	42.9	44.5	43.1			
16	21	65.2	-1.4	-0.6	2.7	3.2	0.2	0.9	4.6	4.9	0.8 1.5
16	25	65.3	-1.4	-0.6	4.3	4.5	0.5	1.1	4.5	4.6	2.6 3.0
16	29	65.3	-1.7	-0.9	3.7	4.0	-0.9	-0.2	4.0	4.2	0.2 0.9
16	33	65.4	-1.7	-0.9	3.7	4.0	-0.9	-0.2	4.0	4.2	0.2 0.9
16	37	65.4	-1.7	-0.9	3.6	3.9	-0.9	-0.2	3.9	4.1	0.2 0.9
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	40.9	41.4	43.2	44.5	46.1 K
19			K	K	K	K	L	L	K	K	
20			0	0	0	0	0	0	0	0	0
21	01	84.0	5.7	3.2	3.8	4.1	4.5	3.7	3.7	4.0	3.5 3.1
21	05	84.0	2.7	2.2	2.8	3.1	3.4	2.7	2.6	2.9	2.5 2.0
21	09	84.0	2.7	2.2	2.8	3.1	3.4	2.7	2.6	2.9	2.5 2.0
21	13	84.0	2.7	2.2	2.8	3.1	3.5	2.7	2.7	2.9	2.5 2.0
21	17	84.0	2.7	2.2	2.8	3.1	3.5	2.7	2.7	2.9	2.5 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
	YUG14900	YUG	-7.0	18.4	43.7	1.68	0.66	154	A883	A884	A882	1	2
13			1		2		3		4		5		6
14			13.4		21.0		20.1		16.1		22.7		25.0
15			46.4		40.6		46.3		42.9		44.5		43.1
16	23	65.2	-1.3	-0.6	0.3	0.9	-1.5	-0.6	-0.2	0.5	-0.1	0.6	0.8
16	27	65.3	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.6	-0.4
16	31	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.6	-0.4
16	35	65.4	0.0	0.6	1.1	1.6	-2.7	-1.9	-1.4	-0.7	-2.2	-1.6	-0.4
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
17			16.3		13.2		13.9		16.1		19.6		21.0
18			46.9		46.3		44.9		43.0		41.9		40.9
19			K		K		K		K		L		K
20			0		0		0		0		0		0
21	03	84.0	2.3	1.9	2.4	2.7	3.1	2.4	2.5	2.5	2.6	2.1	1.7
21	07	84.0	2.3	1.9	2.4	2.7	3.1	2.4	2.5	2.5	2.6	2.1	1.7
21	11	84.0	2.3	1.9	2.5	2.7	3.1	2.4	2.5	2.5	2.6	2.1	1.7
21	15	84.0	2.3	1.9	2.4	2.7	3.1	2.4	2.5	2.5	2.6	2.1	1.7
21	19	84.0	2.3	1.9	2.5	2.7	3.1	2.4	2.5	2.5	2.6	2.1	1.7

	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	A882	1	2
13			1		2		3		4		5		6
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
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
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
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
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
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		P		
20			0		0		0		0		0		
21	04	84.0	-6.5	-6.2	-3.9	-6.7	-5.1	-6.2					
21	08	84.0	-6.5	-6.2	-3.9	-6.7	-5.1	-6.2					
21	12	84.0	-6.5	-6.2	-3.9	-6.7	-5.1	-6.2					
21	16	84.0	-6.5	-6.2	-3.9	-6.7	-5.1	-6.2					
21	20	84.0	-6.4	-6.1	-3.8	-6.6	-5.0	-6.1					

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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
	ZAI32300	ZAI	-19.0	21.3	-6.8	2.80	1.52	149	A883	A884	A882	1	2
13			1		2		3		4		5		6
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
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
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
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
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
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							

	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	A882	1	2
13			1		2		3		4		5		6
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	1.9	3.9	1.6	3.0	1.2	3.5	1.4	6.5	2.7	6.9
16	07	63.8	4.5	1.9	3.9	1.6	3.0	1.2	3.5	1.4	6.5	2.7	6.9
16	11	63.8	4.6	1.9	3.9	1.6	3.0	1.2	3.5	1.4	6.5	2.7	6.9
16	15	63.9	4.6	1.9	3.9	1.6	3.0	1.2	3.5	1.4	6.5	2.7	6.9
16	19	63.9	4.6	1.9	3.9	1.6	3.0	1.2	3.5	1.4	6.5	2.7	6.9
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		K		
20			0		0		0		0		0		
21	03	84.0	-5.6	-5.2	-5.1	-4.6	-2.4	-4.7					
21	07	84.0	-5.6	-5.2	-5.1	-4.6	-2.4	-4.7					
21	11	84.0	-5.6	-5.2	-5.1	-4.6	-2.4	-4.7					
21	15	84.0	-5.6	-5.2	-5.1	-4.6	-2.4	-4.7					
21	19	84.0	-5.6	-5.2	-5.1	-4.6	-2.4	-4.7					

PLAN 3 DRAFT PLAN - 14 SEP 88

ORB(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
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			
13			1	2	3	4	5	6				
14			31.2	30.0	25.2	27.4	32.8	32.8				
15			-22.2	-16.5	-17.6	-21.1	-20.5	-20.5				
16	22	64.2	5.1	3.8	9.6	5.9	7.3	5.0	5.6	4.1	7.1	4.9
16	26	64.2	5.0	3.8	9.5	5.9	7.0	4.8	5.4	4.0	7.0	4.8
16	30	64.3	4.6	3.5	8.6	5.5	6.1	4.4	4.9	3.7	6.5	4.6
16	34	64.3	4.6	3.5	8.6	5.5	6.1	4.4	4.8	3.6	6.4	4.5
16	38	64.4	4.6	3.5	8.6	5.5	6.1	4.4	4.9	3.7	6.5	4.6
17			31.2	30.0	25.2	27.4	32.8	32.8				
18			-22.2	-16.5	-17.6	-21.1	-20.5	-20.5				
19			E	J	E	J	J	J				
20			0	0	0	0	0	0				
21	22	84.0	-1.9	-0.5	-2.3	-1.4	-1.0	-1.0				
21	26	84.0	-1.9	-0.5	-2.3	-1.4	-1.0	-1.0				
21	30	84.0	-1.9	-0.5	-2.3	-1.4	-1.0	-1.0				
21	34	84.0	-1.9	-0.5	-2.3	-1.4	-1.0	-1.0				
21	38	84.0	-1.9	-0.5	-2.3	-1.4	-1.0	-1.0				

ANNEX 2

SPECIAL REQUIREMENTS NOT YET SATISFIED

COOK ISLANDS (CKH052)

- 1) It requires one additional feeder link from New Zealand.

COOK ISLANDS (CKH053)

- 2) It requires one additional feeder link from the Cook Islands.

DENMARK (DNK089/90/91)

- 3) It is required that the feeder-link beam DNK090 be used for both DNK089 and DNK090 down-link beams.
- 4) Furthermore, it is required, that the down-link beam DNK091 (channels 27, 35) to the Faeroe Islands be fed from the Faeroe Islands by up-link channels 24 and 36 respectively.
- 5) In addition, it is required that the down-link beam DNK090 (channels 24 and 36) also be fed from Iceland (beam ISL050) and the Faeroe Islands (beam DNK091) by up-link channels 23 and 35 respectively.
- 6) For down-link channels in the beam DNK090 it is required, that these channels be fed from any optional up-link channel in beams DNK091 and ISL050 in addition to any up-link channel in beams DNK090, FNL104, NOR121 and S139. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above.
- 7) In addition to the standard requirements for feeder link for the beam DNK091, it is required that this beam (channels 27 and 35) also be fed from Norway (beam NOR121) and Denmark (beam DNK090) by the up-link channels 28 and 36 respectively. Similarly, it is required that the beam DNK091 (channels 27 and 35) can also be fed from Finland (beam FNL104) and Sweden (beam S139) by the up-link channels 26 and 34 respectively.
- 8) For down-link channels in the beam DNK091 it is required, that these channels be fed from any optional up-link channel in beams DNK090, FNL104, NOR121 and S139, in addition to any up-link channel in beams DNK090 and ISL050. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above.
- 9) Finally, it is required, that the down-link beam DNK091 (channels 27 and 35) also be fed from the continental Denmark (beam DNK090) by any of the channels 12, 16 and 20. One set of up- and down-link combinations has been indicated for calculation purposes.

FINLAND (FNL103/104)

- 10) It is required that the feeder-link beam FNL104 be used for both FNL103 and FNL104 down-link beams.
- 11) In addition, it is required that the down-link beam FNL104 (channels 22 and 26) also be fed from Iceland (beam ISL050) and the Faeroe Islands (beam DNK091) by up-link channels 23 and 27 respectively.
- 12) For down-link channels in beam FNL104, there is a requirement to feed these channels from any optional up-link channel in beams DNK091 and ISL050 in addition to any up-link channel in beams DNK090, FNL104, NOR121 and S139. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above.

ICELAND (ISL049/50)

- 13) In addition to the standard requirement for feeder link for the down-link beam ISL050, it is required that this beam (channels 23, 31 and 39) also be fed from Denmark (beam DNK090), Norway (beam NOR121) and Sweden (beam S139) by up-link channels 24, 32 and 40 respectively. Similarly, it is required that the down-link beam ISL050 (channels 23, 31 and 39) also be fed from Finland (beam FNL104), Sweden (beam S139) and Norway (beam NOR121) by up-link channels 22, 30 and 38 respectively.
- 14) For down-link channels in the beam ISL050, there is a requirement to feed these channels from any optional up-link channel in beams DNK090, FNL104, NOR121 and S139 in addition to any up-link channel in beams DNK091 and ISL050. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above.

LAOS

- 15) Requirement for an additional common beam with Kampuchea and Burma

MAYOTTE (MYT09800)

- 16) Two sets of feeder-link beams.

NEW CALEDONIA (NCL100)

- 17) Two sets of feeder-links beams.

NEW ZEALAND (NIU054)

- 18) It requires one additional feeder link from New Zealand

NEW ZEALAND (TKL058)

- 19) It requires one additional feeder link from New Zealand

NORWAY (NOR120/121)

- 20) It is required that the feeder-link beam NOR121 be used for both NOR120 and NOR121 down-link beams.
- 21) In addition, it is required that the down-link beam NOR121 (channels 28 and 32) also be fed from the Faeroe Islands (beam DNK091) and Iceland (beam ISL050) by up-link channels 27 and 31 respectively.
- 22) For down-link channels in the beam NOR121 there is a requirement to feed these channels from any optional up-link channel in beams DNK091 and ISL050, in addition to any up-link channel in beams DNK090, FNLL04, NOR121 and S139. For planning exercises, it is, however, sufficient to test those feeder-link channels which have been mentioned above.

REUNION (REU097)

- 23) Two sets of feeder-link beams.

SWEDEN (S138/139)

- 24) It is required that the feeder-link beam S139 be used for both S138 and S139 down-link beams.
- 25) In addition, it is required that the down-link beam S139 (channels 30 and 40 also be fed from Iceland (beam ISL050) by up-link channels 31 and 39 respectively.
- 26) For down-link channels in the beam S139 there is a requirement to feed these channels from any optional up-link channel in beams DNK091 and ISL050 in addition to any up-link channel in beams DNK090, FNLL04, NOR121 and S139. For the planning exercises it is, however, sufficient to test those up-link channels which have been mentioned above.

WALLIS (WAL102)

- 27) Two sets of feeder-link beams

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 261-E
19 September 1988
Original: English

COMMITTEE 4

SUMMARY RECORD

OF THE

NINTH MEETING OF COMMITTEE 4

(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

Wednesday, 14 September 1988, at 1105 hrs

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed:

Documents

- | | | |
|----|---|----------------------------|
| 1. | Note from the Chairman of Committee 3 | 160 |
| 2. | Note from the Chairman of Committee 6 | 221 |
| 3. | Oral reports by the Chairmen of Working Groups 4-B and 4-C | - |
| 4. | Approval of the summary records of the first, second, third, fourth and fifth meetings of Committee 4 | 121, 129, 130,
163, 164 |

1. Note from the Chairman of Committee 3 (Document 160)

The Committee took note of Document 160, and the request to provide information on decisions which might have financial implications.

2. Note from the Chairman of Committee 6 (Document 221)

It was agreed to allocate Document 221 to Working Group 4-C.

3. Oral reports by the Chairmen of Working Groups 4-B and 4-C

3.1 The Chairman of Working Group 4-B said that the Group had held its seventh meeting earlier in the day. As the Group had agreed that all basic requirements should automatically be taken into account, the special requirements were divided into three main categories: special geographical situations, technical operations, and improvement of the Plan. The Group had decided to accord top priority to special requirements due to particular geographical situations. Sub-Working Group 4-B-1 had begun to discuss the draft Plan prepared the previous weekend. On the whole it seemed a good Plan, based on basic requirements only and the five cases of C/I below 26 dB had been solved by Sub-Working Group 4-B-1. In the course of the next few days, the Working Group would have to decide on a timetable in view of the time constraints, and concentrate on the priorities to be given to the second and third categories previously defined. The deadline for the submission of special requirements had been set at 1800 hrs on Wednesday, 14 September. The same deadline had been set for notification to the Board of any errors in basic requirements in Document 230(Rev.1). It was agreed that an exception should be made in the cases of the delegations of Cameroon and Uganda, which, as a result of particular difficulties in contacting their Administrations, were given until noon on Thursday, 15 September for the notification of their basic requirements. At the Working Group's last meeting, the Argentina Delegation had made a reservation concerning Document 230(Rev.1) and specifically requested that the note dated 8 September 1988 addressed to the Chairman of Committee 4, relating to the Argentina reservations on the requirements in Document 28 be incorporated in the summary record of the Committee's meeting and its terms be applied also to Document 230(Rev.1).

It was so agreed. (see Annex 1).

3.2 The Chairman, replying to a question raised by the delegate of the United Kingdom, said that a decision on priorities for categories 2 and 3 would be made the following day either in Working Group 4-B or in Committee 4.

3.3 The Chairman of Working Group 4-C said that the Group had held six meetings and had made good progress, largely due to decisions taken in Committee 4. Four major items had so far been addressed: the procedure for combining allotments for subregional systems, the procedure for modifications to the Plan, a procedure for additional users and an article on the interactivity of Parts A and B of the Plan. Three ad hoc Groups had been formed to deal with the first three items. The Working Group would still work on the fourth item and would need several more meetings.

3.4 The delegate of Paraguay said that his Delegation had had doubts about the use of the term "additional user" ever since the Working Group started its work. It did not have the same meaning as the term "additional requirements" which appeared in paragraph 3.3.4.8 of the Report to the Second Session.

3.5 The delegate of Iraq expressed support for that view. His Delegation understood that additional requirements were only those for new Members of the Union. It was opposed to the formulation of a procedure to accommodate additional requirements other than such.

3.6 The Chairman of Working Group 4-C said that paragraph 3.3.4.8 of the Report to the Second Session was very clear in what it required of the Conference, and he was trying to respond to it. Working Group 4-C would formulate the necessary procedure but the final decision as to whether or not such a procedure would be used, would be taken by Committee 4.

3.7 Mr. Bellchambers (IFRB) said that it would be useful if the question of additional requirements could be clarified quickly in view of the confusion caused by the use of different expressions in paragraph 3.3.4.8 of the Report to the Second Session, Annex 1 to Chapter 3, the appendix to that annex and the note to the appendix.

3.8 The Chairman replied that the matter would be considered in Working Group 4-C.

4. Approval of the summary records of the first, second, third, fourth and fifth meetings of Committee 4 (Documents 121, 129, 130, 163 and 164)

The summary record of the first meeting of Committee 4 (Document 121) was approved, as amended (see Corrigendum 1 to Document 121).

The summary record of the second meeting of Committee 4 (Document 129) was approved.

The summary record of the third meeting of Committee 4 (Document 130) was approved, as amended (see Corrigendum 1 to Document 130).

The summary record of the fourth meeting of Committee 4 (Document 163) was approved.

The summary record of the fifth meeting of Committee 4 (Document 164) was approved, as amended (see Corrigendum 1 to Document 164).

The meeting rose at 1145 hrs.

The Secretary:

F.S. LEITE

The Chairman:

S. PINHEIRO

Annex: 1

ANNEX 1

Reservation by the delegation of Argentina

"In accordance with paragraph 3 of the annex to Document 191 and with respect to requirement No. 85 and paragraph 112 of Annex I to Document 28 of WARC ORB(88), it is requested that due note be taken of the fact that the Argentine Republic expressly reserves its rights of sovereignty over the Malvinas Islands, the South Georgia Islands and the South Sandwich Islands, and rejects the United Kingdom's claim to those territories as well as the requirements for services and/or any assignments or allotments which, on behalf of the United Kingdom Administration, are contained in any document of or may result from this Conference."

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 262-E
16 September 1988
Original: English

COMMITTEE 5

SUMMARY RECORD

OF THE

SIXTH MEETING OF COMMITTEE 5

(BROADCASTING SATELLITE SERVICE (BSS)
MATTERS AND ASSOCIATED PROCEDURES)

Wednesday, 14 September 1988, at 1050 hrs

Chairman: Mr. D. SAUVET-GOICHON (France)

Subjects discussed:

Documents

- | | | |
|----|--|----------|
| 1. | Approval of the summary records of the fourth and fifth meetings | 186, 213 |
| 2. | Organization of work concerning item 13 of the agenda | DT/48 |
| 3. | Preparation of documents for the Editorial Committee | - |
| 4. | Footnote 480 | - |
| 5. | Second and third reports of the Chairman of Working Group 5-A | 203, 244 |
| 6. | Second report of the Chairman of Working Group 5-B | 233 |

1. Approval of the summary records of the fourth and fifth meetings
(Documents 186, 213)

The summary records of the fourth and fifth meetings, as contained in Documents 186 and 213, were approved.

2. Organization of work concerning item 13 of the agenda (Document DT/48)

2.1 The Chairman reminded the Committee that the Plenary, at its third meeting, had extended the terms of reference of Committee 5 by adding a new item 8 on the revision of or other appropriate action on the relevant Resolutions and Recommendations. A list of those Resolutions and Recommendations, coordinated with the Chairmen of Committees 4 and 6 and the Working Group of the Plenary, was given in Document DT/48. He suggested that the Committee take note of the document, on the understanding that any additions or modifications would be submitted to him or to a Vice-Chairman, and that Working Group 5-B should deal with the new item.

It was so agreed.

3. Preparation of documents for the Editorial Committee

3.1 The Chairman drew attention to the request by the Chairman of Committee 7 that each Committee should designate a person responsible for ensuring that the final wording, in one language only, of every text approved by the Committee for submission to Committee 7 was understandable to the uninitiated. He suggested that the United States Delegation might designate a person to perform that task.

3.2 The delegate of the United States said that his Delegation would be happy to do so and that the person designated would get in touch with the Chairman of Committee 7.

4. Footnote 480

4.1 The Chairman of Working Group 5-B said that his Group had discussed the footnote at its most recent meeting, on the basis of Document DL/28 which had been approved with modifications. The final document would be submitted to Committee 5 at its next meeting.

5. Second and third reports of the Chairman of Working Group 5-A
(Documents 203, 244)

Document 203

5.1 The Chairman of Working Group 5-A said that the document contained most of the substance of his oral report to the previous meeting of Committee 5 and drew attention to some editorial changes.

The Committee took note of the document.

Document 244

5.2 The Chairman of Working Group 5-A, introducing the document, drew attention to a few editorial changes and to section 1 relating to the development of the Plan: perhaps the IFRB could confirm the date when the first draft Plan would be available for study. It would be noted that the proposal by Malta in section 2 gave rise to the question of the definition of

administrations in Europe, and it had been suggested that the latter should be referred to Committee 5 for possible consultation with Committee 6. A solution had been found for the problem of the test-points of one administration in the territory of another, raised by the delegation of Viet Nam, and progress had been made with respect to the question of up-link power control. At its next meeting, Working Group 5-A would examine the first draft Plan with a view to identifying the sections which were satisfactory for administrations.

5.3 Mr. Brooks, (IFRB) said that, although the first draft Plan as a whole could not be published before Friday, 16 September, the information relating to individual administrations could be made available to them that very day - Wednesday, 14 September.

5.4 The delegate of Indonesia, referring to the third paragraph of section 1, observed that Sub-Working Group 5-A-1 ad hoc 1 had been unable to solve the problem of feeder link incompatibility between his Administration and that of China, due to a mistake in the 1977 Plan. His Delegation could not see why the solution set out in section 6.2.2.21.9 of the Report of the First Session could not be applied in the case at issue, since the suggested separation of satellite orbit positions by $\pm 0.2^\circ$ from the nominal position would still leave an acceptable margin. The delegate of China associated her Delegation with those remarks.

5.5 The Chairman of Working Group 5-A said he was inclined to think that the unique case in question deserved consideration, provided the competence of WARC ORB(2) to deal with the matter could be determined.

5.6 The Chairman of Sub-Working Group 5-A-1 ad hoc 1 said that, while the procedure referred to by the Indonesian delegate might indeed solve the problem, the two questions that arose were whether WARC ORB(2) was competent to amend the Final Acts of the 1977 Conference and whether the IFRB could include such a movement of satellite orbit positions in its analysis of the Plan.

5.7 Mr. Brooks (IFRB) explained that the difficulty arose because the satellite positions for the down-link were fixed by Appendix 30. In developing the software, it had been assumed that the orbital positions for the up-link and the down-link would be the same. It was indeed difficult to consider a satellite that had different orbital positions for the up-link and the down-link. As the orbital position was one of the key elements in linking the up-link and down-link parts of the data system, it would be difficult to separate the two to carry out an analysis. The Report to the Second Session did not provide a workable solution unless a modification were made to Appendix 30, a step that, in his opinion, was not on the agenda of the Conference. A possible way of carrying out the required analysis was at present being investigated.

5.8 The delegate of the United States drew the attention of the Committee to Annex 7 of Appendix 30 which might be interpreted so as to allow the Conference to make adjustments to orbital position limitations.

5.9 The delegate of Indonesia said that he hoped that the provision referred to by the delegate of the United States would open the way to finding a solution. He requested that legal advice be sought. It should be possible for the Conference to resolve the problem. Interference was hardly likely to arise, there being no satellites between 74° and 80° or between 80° and 86° , simply the two satellites at 80° . If it proved impossible to deal with the matter in Committee 5, his Delegation requested the Chairman to bring the matter before Plenary.

5.10 The Chairman closed discussion on the matter, saying that the Committee would note the comments made by the Chairman of Working Group 5-A and by the representative of the IFRB. He asked the Chairman of Working Group 5-A to coordinate informal discussions on the problem with a view to finding a solution.

5.11 The delegate of Argentina, supported by the delegate of Ecuador, stated that the Conference was not competent to modify orbital positions decided in 1977, as Mr. Brooks had said. She asked for the opinion of her Delegation to be duly recorded.

5.12 The delegate of the United States, supported by the delegate of the United Kingdom, deplored the practice of returning to matters on which discussion had been closed. The proper place for comments was during the relevant discussion. Where no decision was reached, as in the present case, there was no need for statements of position since recording the statements of just a few delegations gave an unbalanced picture of opinions.

6. Second report of the Chairman of Working Group 5-B (Document 233)

6.1 The Chairman of Working Group 5-B, introducing Document 233, pointed out the following amendments to section 3: in the first paragraph, "seems to" should be deleted and, in the second paragraph, "unanimously adopted" should be replaced by "adopted without objections". He noted that Document 233 provided a written version of his oral report at the previous meeting. Work was continuing in the two Sub-Working Groups and documents recording their results were forthcoming.

6.2 The delegate of the United Kingdom pointed out that, in the fourth paragraph of section 3 of Document 233, "adapt" should be replaced by "adopt". He suggested that, in the third paragraph of section 5, "All administrations" should be replaced by "some administrations".

It was so agreed.

6.3 The delegate of Spain said that, in the Spanish text, "adjudicación" should be replaced by "atribución".

The Committee approved the report, with the above amendments.

The meeting rose at 1150 hours.

The Secretary:

G. MESIAS

The Chairman:

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

Corrigendum 1 to
Document 263-E
23 September 1988
Original: English

COMMITTEE 6

SUMMARY RECORD

OF THE

FIFTH MEETING OF COMMITTEE 6

Paragraph 4.4

Replace "The delegate of Japan" by "The delegate of India".

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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 263-E
19 September 1988
Original: English

COMMITTEE 6

SUMMARY RECORD

OF THE

FIFTH MEETING OF COMMITTEE 6

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

Wednesday, 14 September 1988, at 1600 hrs

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

Subjects discussed:

Documents

1.	First and second reports of Working Group 6-A to Committee 6	175, 256
2.	Second report of Working Group 6-B to Committee 6	248, 238
3.	Second report of Working Group 6-C to Committee 6	197
4.	Third report of Working Group 6-C to Committee 6	249, 251

1. First and second reports of Working Group 6-A to Committee 6
(Documents 175, 256)

1.1 The Chairman of Working Group 6-A introduced the first report contained in Document 175. Referring to the possible need to change Article 10 of the Radio Regulations, mentioned by one administration, he said the matter involved the relevance of the Working Group's terms of reference and he suggested, therefore, that it be held in abeyance.

1.2 The delegate of India referred to his Administration's proposals in that regard, contained in Document 141. Discussions on the subject in Working Groups 6-A and 6-B showed that the IFRB's emerging role relating to MPMs and other procedures would have to be clarified; perhaps, therefore, the relevant proposals could be considered at a later stage.

It was agreed to hold the matter in abeyance and on that understanding, the Committee took note of the report contained in Document 175.

1.3 The Chairman of Working Group 6-A introduced the Working Group's second report contained in Document 256. He stressed that the types of MPM referred to in the report were not necessarily the only possibilities but were simply being used as a basis for discussion. The Working Group had held a third meeting earlier that day with a view to resolving some of the questions that had arisen; a summary was being prepared which, it was hoped, would be available to the Working Group at its next meeting.

The Committee took note of the report contained in Document 256.

2. Second report of Working Group 6-B to Committee 6 (Documents 248, 238)

2.1 The Chairman of Working Group 6-B, introducing the report contained in Document 248, said that Working Group 6-B had completed its sixth meeting and was currently deliberating the best approach to the coordination and notification of satellite systems on a network basis. A draft note on the subject would be seen in Document DT/52, not yet circulated. With reference to section 2 of the report, ad hoc Group 6-B-2 had submitted the results of its work to the Chairman of Sub-Working Group 6-B-1. The latter had submitted two documents for the Working Group's consideration and the results should be available to Committee 6 at its next meeting.

Working Group 6-B had concluded that the coordination and notification procedure should be modified in accordance with the basic principles set forth in the note contained in Document 238.

The Committee took note of Documents 248 and 238, subject to a minor editorial amendment to the Spanish text in paragraph 2 of Document 238.

3. Second report of Working Group 6-C (Document 197)

3.1 The Chairman of Working Group 6-C, introducing Document 197, pointed out that the reference in paragraph 2.4 to the proposal IND/141/17 should be corrected to read IND/141/18. Some concern had been expressed that paragraph 2.6 should reflect more accurately the sense of the discussion in the Working Group, namely that there was no need for the definition proposals withdrawn by India to be specifically included in Article 1 of the Radio Regulations. Paragraph 4.1 concerning the reference to proposals relating to certain technical characteristics to the Working Group of the Plenary had already been acted upon. Two typing errors were to be corrected in the Annex to

Document 197. In the text of MOD 109, penultimate line, the word "with" should be "within"; and in the text of MOD 169, "2x10⁻⁶ kilometers" should read "2x10⁶ kilometers".

3.2 The Chairman said that he had already taken the action suggested in paragraph 3.2 and, as the Chairman of Working Group 6-C had observed, paragraph 4 had been overtaken by events.

MOD 109: Feeder link

3.3 The delegate of the United Kingdom asked if the IFRB could confirm that the proposed new definition for feeder links in no way changed the equality of rights between assignments for such links and for terrestrial services in shared bands.

3.4 The Vice-Chairman of the IFRB said that the problem with the notification and recording of typical earth stations in the FSS would be that of indicating the area in which they might be located. In his view, their relationship to the terrestrial services would be governed by the modifications to be made for purposes of coordination. The work done in Working Group 6-B suggested that the rights of terrestrial services would be safeguarded. However, there might be a need to modify the definition of the FSS so as to reflect the inclusion of transportable or typical earth stations.

3.5 The Chairman stated his understanding that the rights of terrestrial services would be safeguarded in amendments still to be made.

MOD 169: Deep space

3.6 The delegate of India said that the proposed revised definition could have an impact on the frequencies that might be used for deep space and space research services. He therefore asked for the IFRB's view of the repercussions on allocations to other services with which the Conference was not competent to deal, especially those made under Article 8 of the Radio Regulations.

3.7 The Vice-Chairman of the IFRB said that it was a matter of interpretation whether the revised definition affected Article 8 or not. He believed that the Conference was competent to deal with the problem.

Document 197 as a whole was approved as amended.

4. Third report of Working Group 6-C (Documents 249, 251)

4.1 The Chairman of Working Group 6-C, introducing Document 249, read out minor editorial amendments to paragraphs 2.2 and 2.3 of the English text. In addition to the ad hoc Groups which had produced the three definitions annexed to the report, Working Group 6-C ad hoc 3 had been established to consider a draft Recommendation on International Space Monitoring and was expected to report soon. Action had already been taken on the decision mentioned in paragraph 3.1 to refer certain proposals to Committee 5. In addition, the Working Group had adopted the draft Resolution on Improvement of the Accuracy of the MIFR, the International Frequency List and List VIIIA contained in Document 251. So far as amendments to the Radio Regulations relating to the use of the 10.7 - 11.7 GHz band were concerned, further discussions were necessary. That was also the case with respect to multi-service satellite coordination procedures.

Paragraph 6: Agenda item 7

4.2 The Chairman of Working Group 6-C, responding to an objection by the delegate of the German Democratic Republic to the penultimate sentence, suggested that the sentence might begin with the qualification "Some administrations were of the opinion that such retention would not have any adverse impact" etc.

4.3 The delegate of the German Democratic Republic said that it would also be necessary to add a sentence to the effect that other administrations were of the opinion that the proposed retention of Radio Regulation 835 in Region 1, as described, could lead to interference problems for other services.

4.4 The delegate of Japan said that paragraph 6 should also indicate the relevance of some portions of the 10.7 - 11.7 GHz band to the Allotment Plan for the FSS, since the implications of the various proposals could then be readily appreciated.

4.5 The Vice-Chairman of the IFRB said that he had drawn the Working Group's attention to the fact that there was no indication which Committee was to deal with the improved procedures to be applied to up-link transmissions in the 10.7 - 11.7 GHz band in Region 1. He suggested that the question should be taken up with the Chairman of Committee 4.

The Chairman agreed to that suggestion.

4.6 The Chairman suggested that since ADD 5196 and MOD 5187 were subject to the results of work in other Committees, the Committee could simply take note of them.

It was so agreed.

Draft Resolution on Improvement of the Accuracy of the MIFR, the International Frequency List and List VIIIA (Document 25)

Approved, for submission to the Plenary Meeting.

The meeting rose at 1705 hours.

The Secretary:

K. ARASTEH

The Chairman:

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 264-E
14 September 1988
Original: English

Source: Documents 234 and 246

COMMITTEE 6

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

At its fifth and sixth meetings the Working Group adopted Section I of Article 11, as presented in the annex.

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 Stations¹

NOC Section I. Procedures for the Advance Publication of Information on Planned Satellite Networks²

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 establish bring into use a satellite network within a satellite system in frequency bands 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 and preferably not later than two years before the date of bringing into service each satellite network the information listed in Appendix [4].

MOD 1043 (2) Amendments to the information sent concerning a ~~planned~~ satellite system 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.

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.

~~The Board shall publish the information~~ 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 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.

1057

Commencement of Coordination or Notification Procedures

1058

§ 5. In complying with the provisions of Nos. 1049 to 1054, an administration responsible for a planned satellite system shall, if necessary, defer its commencement of the coordination procedure, or, where this is not applicable, the sending of its notices to the Board, by six months after the date of the weekly circular containing the information listed in Appendix 4 on the relevant satellite network. However, in respect of those administrations with which difficulties have been resolved or which have responded favourably, the coordination procedure, where applicable, may be commenced prior to the expiry of the six months mentioned above.

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 265-E
15 September 1988
Original: Spanish

COMMITTEE 4

Spain

ORBITAL POSITION

The IFRB Report entitled "Results for the first draft Plan" (Document 242) gives the orbital position for the Spanish Administration as -56.7° .

Analysis of this result shows that this position was obtained on the basis of a minimum elevation angle of 10° which, in climatic zones H and K of the national territory, gives elevation angles of less than 20° . This means that the agreement reached within Working Group 4-A and set out in section 11 of Document 192 has been disregarded.

It also means that the orbital arcs corresponding to beams E 00002 and CNR00000, which are required to cover the national territory, offer a wide area of overlap (86.3°) when viewed from a minimum elevation angle of 20° .

Committee 4 is requested to take the foregoing into account so that appropriate steps can be taken to comply with the agreement mentioned.

Assuming a minimum elevation angle of 30° , as requested by the Spanish Administration as a specific requirement in view of the mountainous nature of the Spanish terrain, the overlap area of both arcs would be adequate for an orbital position (54.4°) to be feasible.

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INTERNATIONAL TELECOMMUNICATION UNION

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WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 266-E
15 September 1988
Original: Spanish

COMMITTEE 4

Bolivia, Colombia, Ecuador, Peru and Venezuela

GUARANTEED ACCESS FOR SUBREGIONAL SYSTEMS

The administrations submitting this document, concerned by the direction which the work of the Conference is taking as regards guarantee of access to the geostationary-satellite orbit for subregional systems, which are of vital importance for the developing countries, and invoking the provisions of No. 154 in Article 33 of the Convention, hereby put forward this contribution for consideration by the Conference.

At the third meeting of Committee 4, it was agreed that subregional systems should be accommodated in the procedures associated with the Allotment Plan, having regard to the guidelines laid down in section 3.3.4.1 of the Report to the Second Session of the Conference to the effect that "the procedures associated with this Plan should contain provisions permitting administrations with adjacent territories to combine all or part of their allotments with a view to ensuring a subregional service" (underlining added).

As pointed out in Document 235 submitted by Côte d'Ivoire, the specific guidelines for regulatory procedures associated with the planning method which are contained in Annex 1 to Chapter 3 state that allotments shall be combined through a procedure for modification of the Plan with the result that, once that procedure has been applied, the subregional system will become part of the Plan and be protected as such.

However, such procedures require the users of the subregional system to obtain the agreement of all the administrations whose allotments may be affected. In view of the technical characteristics of a subregional network, involving a larger coverage area and higher power, it will be extremely difficult to secure the agreement of all the affected administrations, since at least the national allotments of countries near the coverage area of the subregional beam will be significantly affected.

Accordingly, considering that a procedure associated with the Plan does not guarantee in practice the possibility of operating subregional systems, which are of crucial importance for the developing countries, and given that a satisfactory first draft Plan has been obtained and that at its sixth meeting Committee 4 agreed (Document 170) that "once a good Plan existed, Working Group 4-B might be authorized to consider, in accordance with its mandate in Document 148, how the geographical situations of certain regions could be used to improve the Plan in their case",

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it is proposed that in establishing the draft Plan consideration should be given to appropriate inclusion of the subregional systems for which a submission has been made.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 267(Rev.1)-E
22 September 1988
Original: English

WORKING GROUP 6-C

REPORT OF THE CHAIRMAN OF WORKING GROUP 6-C AD HOC 3 TO
THE CHAIRMAN OF WORKING GROUP 6-C

Working Group 6-C ad hoc 3 met on 21 September 1988 to reconsider and review the draft Recommendation COM6/B with the participants of India, Japan, USSR, China and the United States. It considered the draft contained in Document 267 and additional modifications submitted. The conclusions of this 6-C ad hoc 3 are contained in the annex.

M. MATSUMOTO
Chairman of Working Group 6-C ad hoc 3

Annex: 1

Draft

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.

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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 267-E
15 September 1988
Original: English

WORKING GROUP 6-C

REPORT OF THE CHAIRMAN OF WORKING GROUP 6-C AD HOC 3 TO
THE CHAIRMAN OF WORKING GROUP 6-C

Working Group 6-C ad hoc 3 met on 14 September 1988 to consider and review the draft Recommendation COM6/B with the participants of India, the United Kingdom, USSR, United States and the CCIR. It considered the draft contained in DT/40 and modifications submitted. The conclusions of this 6-C ad hoc 3 are contained in the annex.

M. MATSUMOTO
Chairman of Working Group 6-C ad hoc 3

Annex: 1

Draft

RECOMMENDATION [COM6/B]

Relating to International Monitoring of Emissions
for Space Radiocommunications

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) the desirability of taking steps to make the IFRB record reflect more accurately the actual use being made of space and spectrum for radiocommunications;
- c) the provisions of the Radio Regulations (Geneva, 1979), 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 (Geneva, 1979) relating to the examination by the world administrative radio conference on the occupation of the frequency spectrum in space radiocommunications;
- e) that international monitoring facilities for emissions for space radiocommunications may be expensive;

noting

that the CCIR studies the question of space monitoring and CCIR Report 276 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 encourage participation in the CCIR studies concerning the possible development of guidelines for space monitoring facilities;
2. to consider the regulatory, administrative, and economic aspects of space monitoring.

INTERNATIONAL TELECOMMUNICATION UNION

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

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 268-E
15 September 1988
Original: English

COMMITTEE 6

Note from the Chairman of Committee 5
to the Chairman of Committee 6

MODIFICATION OF RADIO REGULATIONS 858 AND 863

Committee 5 has considered the proposal from Malta in Document 217 and has agreed that the deletion of the words "and for Malta" in RR 858 and 863 is appropriate. Committee 6 is invited to take note of that document in its considerations.

D. SAUVET-GOICHON
Chairman of Committee 5

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 269-E
19 September 1988
Original: English

COMMITTEE 3

SUMMARY RECORD
OF THE
SECOND MEETING OF COMMITTEE 3
(BUDGET CONTROL)

Thursday, 15 September 1988, at 0900 hrs

Chairman: Dr. M.K. Rao (India)

<u>Subjects discussed:</u>	<u>Documents</u>
1. Approval of the summary record of the first meeting of Committee 3	161
2. Financial implications of decisions taken by the Conference	160
3. Situation of the Conference accounts as at 11 September 1988	219

1. Approval of the summary record of the first meeting of Committee 3
(Document 161)

The summary record of the first meeting of the Committee, as contained in Document 161, was approved.

2. Financial implications of decisions taken by the Conference
(Document 160)

2.1 The Chairman, introducing Document 160, said it had been sent to all Committee Chairmen and to the Secretary-General with copies to the Chairman of the IFRB and the Director of the CCIR with a request to provide Committee 3 at regular intervals with the cost implications of the decisions taken by their respective Committees. No such information had yet been received since the Conference had not to date taken any major decision with financial implications; the Committee Chairmen had, however, assured him that such information would be provided to Committee 3 as and when available.

The Committee took note of Document 160.

3. Situation of the Conference accounts as at 11 September 1988
(Document 219)

3.1 The Chairman, referring to Annex 1 of Document 219, drew the Committee's attention to the fact that expenditure to date on document reproduction, 294,000.00 Swiss francs, was well over the budget estimate of 50,000.00 Swiss francs.

3.2 The Deputy Secretary-General said the overrun had been largely due to requests from Committees and Working Groups for the reproduction of bulky documents and also to the late arrival of unforeseen documents. The Chief of the Finance Department would be able to provide all the necessary details concerning the difference between estimates and actual expenditure.

3.3 The Chief of the Finance Department said that part of the problem had been a miscalculation leading to underestimation of the Conference print run. The budget estimate should have been for 9 million pages, equivalent to a budget allocation of 200,000.00 - 250,000.00 Swiss francs instead of 2.5 million pages or 50,000.00 Swiss francs. The ORB(1) budget, for example, had made provision for 7 million pages. The Committee should note, however, that the error had in fact been compensated by savings elsewhere, in staff costs and especially through local recruitment of interpreters.

In reply to the delegate of the Netherlands who noted, judging from the figure for actual expenditure to date, 15 million pages had already been reproduced - an overrun on even the 9 million page estimate and asked whether a more accurate estimate could not be produced, he said that it was impossible to forecast documentation exactly, as unexpected requests for reproduction of voluminous documents could not be foreseen. The Conference had already spent 22,000.00 Swiss francs on documents in the first week and 40,000.00 in its second week; 50,000.00 Swiss francs had been foreseen for the third week and 25,000.00 Swiss francs each for the fourth and fifth weeks.

3.4 The representative of the IFRB said that all documents prepared by the IFRB during the Conference had been produced in response to requests from the Committees and Working Groups.

3.5 The Chairman, supported by the delegate of the United Kingdom drew attention to the small margin of 79,000.00 Swiss francs currently in hand, and suggested that the Committee should send a note to the other Committee Chairmen reminding them of the need

to keep document reproduction costs down and proposing that bulky documents not requiring general circulation, such as those for small Working Groups, should be issued in the DL series instead of being reproduced for general circulation (at least until they had been finalized).

3.6 The Chief of the Finance Department said that as soon as the overrun on expenditure on document reproduction had become apparent, the Technical Secretary of the Conference had requested the Committee Secretaries, who were responsible for the reproduction of Committee documents, 1) to avoid where possible the reproduction of revised documents and to issue corrigenda instead; 2) to issue texts intended for small Working Groups as DL documents; and 3) not to publish agendas for small ad hoc Groups of less than 20 members. The Chairman's suggestion would reinforce those steps.

The Chairman's suggestion to send a note to Committee Chairmen was adopted.

3.7 The delegate of the Netherlands, noting that even at the present rate of expenditure document reproduction amounted to no more than one-tenth of the total budget estimate, asked whether it would not be more effective to try to make savings in the larger items.

3.8 The Deputy Secretary-General said that, as Annex 1 to Document 219 clearly showed, all items of Conference expenditure apart from document reproduction had been kept within the limits foreseen. The Secretariat would, as it always had done, make every effort to keep expenditure within the set limits and to make savings wherever feasible.

3.9 In reply to a question from the delegate of the United Kingdom, the Chief of the Finance Department said that the figure of 79,000.00 Swiss francs was the margin in the accounts for the present Conference. The overall margin of 236,000.00 Swiss francs mentioned at the last meeting of the Committee corresponded to the difference between total expenditure (actual expenditure from 1983 to 1987 and budgeted expenditure in 1988 and 1989) and the overall ceiling of 11,100,000.00 Swiss francs set for both sessions of the Conference and the intersessional work. The total margin, taking account of the estimate of expenditure as at 11 September was thus now 315,000.00 Swiss francs.

In reply to a further question from the delegate of the United Kingdom, he said that the budgeted figures for interpretation corresponded to 40 meetings with interpretation facilities per week. So far, the number of meetings with interpretation had not exceeded 40 per week, with the result that interpretation costs were within the budget.

The Committee took note of the situation of the Conference accounts as at 11 September 1988.

The meeting rose at 0930 hrs.

The Secretary:

R. PRELAZ

The Chairman:

M.K. RAO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Corrigendum 1 to
Document 270-E
4 November 1988
Original: English

COMMITTEE 4

SUMMARY RECORD
OF THE
TENTH MEETING OF COMMITTEE 4
(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

1. Paragraph 3.1

Amend the first sentence of the second sub-paragraph to read:

"... there would be no difficulty in that administration recovering its initial PDA, if the Committee so decided."

2. Paragraph 3.2

Amend the second sentence to read:

"In that connection, ... was in conformity with the decision contained in paragraph 3.3.4.1 of the Report to the Second Session and in Note 6, Document 74, namely, that the procedures associated with the Plan ..."

3. Paragraph 3.4

In the first sentence, replace "were in the same small part of the orbital arc" by "had to share the same small part of the orbital arc."

INTERNATIONAL TELECOMMUNICATION UNION

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

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 270-E
30 September 1988
Original: English

COMMITTEE 4

SUMMARY RECORD

OF THE

TENTH MEETING OF COMMITTEE 4

(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

Tuesday, 20 September 1988, at 1405 hrs

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed:

Documents

- | | |
|---|---------------|
| 1. Oral reports by the Chairmen of Working Groups 4-B and 4-C | 279, 280 |
| 2. Approval of the summary records of the sixth, seventh and eighth meetings of Committee 4 | 170, 195, 196 |
| 3. Pre-determined arc (continued) | DT/64 |

1. Oral reports by the Chairmen of Working Groups 4-B and 4-C
(Documents 279, 280)

1.1 The Chairman of Working Group 4-B said that Document 279 set forth the work plan decided upon by the Working Group for considering special requirements related to particular geographical situations, remaining special requirements, and compatibility between Parts A and B of the Plan. As could be seen from Document 280, Working Group 4-B had agreed to use a value of 0.1° for the satellite antenna pointing accuracy.

1.2 The Chairman of Sub-Working Group 4-B-1 referred to two Plan synthesis which had been carried out, one relating to basic requirements only and the other including particular geographical situations as well. The outcome of the second had shown eleven cases of C/I below 26 dB. As a result of further work earlier that day, only three such cases remained, all of them only slightly below that value. If they could be resolved during the day, a Plan could be published the following day; if not, the Plan would be published showing negative margins for the three cases concerned.

1.3 The delegate of Luxembourg asked whether Sub-Working Group 4-B-1 could carry out an exercise in order to deal with the requests made by four administrations concerning compatibility between Parts A and B of the Plan.

1.4 The Chairman proposed that Sub-Working Group 4-B-1 should concentrate on settling the three outstanding cases referred to; whatever the result, the task would take very little time to complete and would not prevent a start being made on other work following day.

It was so agreed.

1.5 The Chairman of Working Group 4-C said that the Group had held twelve meetings. Having received precise texts relating to procedures, it had been able to complete its consideration of virtually all of them. The ad hoc Group dealing with the procedure for combining allotments for subregional systems had completed its work; its findings would be published the following day. A document would also be available very shortly on the work of the second Group, relating to procedure for modifications to the Plan. The third Group was preparing a document relating to a procedure for additional users. A fourth ad hoc Group, which had been formed later, would prepare the technical annexes and the results stemming from Working Group 4-A and the Working Group of the Plenary would be then considered. Work had also been started on a procedure to define the interactivity of Parts A and B of the Plan; there was a close convergence of views, although agreement on all portions had not been possible. With regard to the fifth and final procedure under consideration, aimed at converting allotment to assignment, he himself had undertaken to draft a text due to lack of time, and hoped to submit it later that day. Therefore, all the requisite texts should be available to the Working Group that day. Working Group 4-C was obliged, of course, to retain a flexible approach, pending decisions to be taken by Working Group 4-B and the Committee itself; it was clearly difficult for delegations to pronounce on procedures relating to matters not yet fully determined. Nevertheless, Working Group 4-C was in general proceeding satisfactorily with its tasks.

1.6 The delegate of Yugoslavia wondered whether Working Group 4-C was being delayed in its task because of problems arising in work elsewhere dealing with the compatibility between Parts A and B of the Plan.

1.7 The delegate of Côte d'Ivoire said that, according to the findings of the First Session, the current session should consider in principle the establishment of three procedures at the most - for modifications to the Plan, for converting allotments to assignments, and for additions. But his Administration noted with disquiet that as many as five procedures were being discussed.

1.8 The delegate of Tanzania said he shared that concern. His Delegation was surprised, moreover, at the discussion of such procedures relating to coordination of allotments; surely the aim was to do away with procedures, thus easing the burden on developing countries, and to resolve incompatibilities between Parts A and B at the current session. With regard to burden-sharing for the purpose of resolving incompatibilities, the First Session had opined that incompatibilities should be dealt with by existing systems; but the current approaches seemingly implied that allotments, rather than existing systems, would bear most of the burden.

1.9 The Chairman of Working Group 4-C said that, as the delegate of Yugoslavia had suggested, some measure of the magnitude of the conflict between existing systems and an allotment plan would greatly help Working Group 4-C because, whereas some participants hoped that discrepancies would be few, small and solvable by means of simple procedures, others feared that discrepancies too large for such procedures might emerge. Although the delegates of Côte d'Ivoire and Tanzania had expressed concern about the proliferation of procedures, the intention was that discussion of the various relevant texts, when available, would lead to consolidation; he believed that the number of procedures could well be reduced to three. He assured the delegate of Tanzania that there would be, among the finalized procedures, a simple one for the purpose of implementing allotments without coordination; at the same time, it was important to preserve a means of satisfying administrations which wished to have some flexibility. Although it was hazardous to predict how the burden would be shared between Parts A and B, he believed it possible for both to take a share in a way which would impose no constraint on operations, and that the problem, therefore, would not be serious. He hoped, in that connection, that Working Group 4-B would be able to indicate very shortly what impact existing systems would have on the Plan.

1.10 The delegate of Mexico said that the procedures should be as few and simple as possible. His Delegation hoped that there would be no incompatibility between Parts A and B of the Plan; in any event, priority should be given to Part A. The Chairman of Working Group 4-C had made commendable efforts and all should do their utmost to ensure that the current session's work was concluded successfully and on time; it would help, in that regard, if delegations refrained from repeating statements made previously.

1.11 The delegate of Tanzania said that the problem of existing systems had not yet been addressed; that problem was a serious obstacle to the efforts to achieve an ideal C/I ratio. It should be up to the current session, therefore, to rule on what parameters would determine whether the Plan was successful or not.

1.12 The Chairman felt that it was too early for the Committee to debate in detail the procedures being examined in Working Group 4-C. Although it seemed inevitable that some incompatibilities would remain, they could perhaps be resolved during the current session, thus avoiding the need for subsequent coordination measures. He expected that early the following week Committee 4 would have before it at least an initial text from Working Group 4-C. He felt that a good Part A would be achieved, with an allotment Plan which also took due

account of particular geographical situations; cases of negative C/I ratios had already been reduced to three and it was hoped that those too could be resolved very shortly. The next step must be to make Parts A and B as compatible as possible; he was fairly confident that the current session could produce an Allotment Plan with adequate technical parameters and resolve some, if not all of the incompatibilities. There were two possibilities: to apply procedures when an assignment relating to Part A or Part B was to be implemented; and to achieve agreement at the current session, as in the case of the BSS Plan for Region 2 in 1985. To that end, it was hoped that the outcome of Working Group 4-C's efforts would at least be acceptable to the majority of delegations.

2. Approval of the summary records of the sixth, seventh and eighth meetings of Committee 4 (Documents 170, 195 and 196)

The summary record of the sixth meeting of Committee 4 (Document 170) was approved as amended (see Corrigendum 1 to Document 170).

The summary record of the seventh meeting of Committee 4 (Document 195) was approved.

The summary record of the eighth meeting of Committee 4 (Document 196) was approved as amended (see Corrigendum 1 to Document 196).

3. Pre-determined arc (continued) (Document DT/64)

3.1 The Chairman, introducing Document DT/64, recalled that the problem of the pre-determined arc (PDA) had already been discussed in Committee 4 and in Working Group 4-B, but that it had been agreed to defer decision on the subject because a number of elements were still missing. The proposals in the document represented an attempt to meet the need for flexibility in procedures designed to accommodate subregional systems, modifications to the Plan, etc. The proposal in a) corresponded to the idea behind the Japanese proposal in Document 53. The proposal in b) meant that an administration's special geographical situation would be taken into account in defining the PDA. The idea behind proposal c) was that if any displacement was requested at all, it had to be minimal. Lastly, the proposal in d), which he regarded as particularly important, meant that every administration present would leave the Conference with a determined orbital position within a certain PDA. If, in order to make room for, say, a subregional system, an orbital position had to be displaced to a minimal extent within the PDA, the administration would not be considered to be affected provided all other technical conditions were met.

Replying to a question by the delegate of Saudi Arabia, he said that in the event of a change in an administration's requirements between the first and second stages of implementation, there would be no difficulty in that administration recovering its initial PDA. Replying to the delegate of Cuba, he said that the proposals were intended to obviate the need for coordination provided that the displacements were within the PDA and that the technical protection criteria were satisfied. As to the question whether the proposals would ensure an equitable degree of flexibility, he said that the orbital position arrived at through a modification of the Plan could not, in principle, differ from the position in the initial Plan. In response to a point raised by the delegate of France, he agreed that the French version of paragraphs c) and d) did not appear satisfactory. The point of proposal c) was that a displacement, if carried out at all, should be as slight as possible. Replying

to the delegate of Yugoslavia, he said that in his view a fixed orbital position within the PDA was of fundamental importance, not only because that had been decided at the First Session but also because of the need to ensure that the new position met the technical criteria.

3.2 The delegate of Côte d'Ivoire said that although his Administration had submitted a proposal concerning the PDA, it was less concerned with that issue than with the more general one of small countries being able to implement subregional systems in the not too distant future. In that connection, he asked the Chairman to confirm that the proposal under consideration was in conformity with the decision contained in paragraph 3.3.4.1 of the Report to the Second Session, namely, that the procedures associated with the Plan should contain provisions permitting administrations with adjacent territories to combine all or part of their allotments with a view to ensuring a subregional service. He also asked the Chairman to explain on what basis he had arrived at his proposals and, lastly, wondered whether in view of the possibility of modification of national allotments, the work being done in Working Group 4-C, in particular on Document 245, was really worthwhile.

3.3 The Chairman of Working Group 4-B said that careful examination of allotments to African administrations had convinced him that the procedure for adjusting national allotments would not give rise to any problems.

3.4 The Chairman said that his principal concern in preparing the document had been to find a way of permitting the implementation of subregional systems even in regions where many administrations were in the same small part of the orbital arc. He had given full consideration not only to proposals on PDA but also to the question of potential subregional systems and to problems which would subsist between Parts A and B. As to whether the proposal would ensure subregional services in accordance with paragraph 3.3.4.1 of the Report to the Second Session, he could not say with certainty that any subregional system could be implemented under all circumstances, but he was convinced that his proposal constituted the best way of facilitating the implementation of subregional systems through associated procedures. In reply to a question by the delegate of China concerning proposal d) he explained that if, for instance, Colombia and Venezuela wished to have a subregional system and had to find another orbital position involving the position of Brazil, it would be possible under proposal d) to move Brazil's orbital position within its PDA without Colombia and Venezuela having to seek Brazil's agreement, provided the technical criteria were met. Replying to the delegate of Yugoslavia, he said that the idea was to have an arbitrary PDA round each orbital position emerging from the present Conference and then to arrive at a new PDA by considering the special geographical constraints of each administration, always provided, of course, that all technical criteria were satisfactorily met.

3.5 The delegate of Japan said that the only way to allow the implementation of subregional systems was to ensure flexibility of procedures. Moreover, the proposed method provided a guarantee that access was assured at all times and that the C/I ratio and other technical criteria were in conformity with the Plan.

3.6 The delegate of Uruguay, observing that the Chairman had mentioned $\pm 10^\circ$ of the initial nominal position within the service arc, asked how that value could be reconciled with sub-paragraph b) and what would happen to national allotments in that case. The Chairman replied that sub-paragraphs a) and b) should be read together and that specific values and procedural detail would be

discussed in Working Group 4-C. What the Committee had to do was to decide on the proposals in Document DT/64, so that they could serve as the basis for that Working Group's deliberations.

3.7 The delegate of France, referring to the example cited by the Chairman, observed that if the Brazilian system was already operational, the PDA would probably be too small to accommodate the orbital positions of the other two countries. The Chairman said that that point was covered in sub-paragraph c). Replying to comments by the delegates of Pakistan and Jordan, he pointed out that although the first systems to become operational would enjoy greater flexibility owing to their larger PDAs, no system could ever be moved outside the C/I limits prescribed for the Plan. Moreover, adjustments would not merely affect one system, but would be made in the context of optimization of the Plan as a whole.

3.8 The delegate of the United Kingdom said it was clear that the concept of the PDA had been put forward to reconcile the general wish to have a Plan which gave every administration one coverage of its national territory and one allotment and at the same time provide for a measure of flexibility. That had led to the concept of nominal orbital positions with a certain obligation to make adjustments to generate flexibility, limited, however, by the provisions that the final aggregate C/I adopted by the Conference was not eroded and that the geographical features agreed upon for each allotment were fully respected. The concept of the progressive reduction of the PDA embodied in the Japanese proposal (Document 282) was essentially administrative and procedural and could be regarded as an extension of the nominal orbital position approach. On the other hand, the notion of the common overlapping arc in which national orbital positions were set up in groups represented a completely different approach to flexibility, the basic purposes of which were, first, to provide assurance that new administrations would be given allotments in the Plan and second, to cater for subregional systems. The choice before the Committee now lay essentially between the concepts of individual nominal positions and grouped sets of nominal positions, with respect to the opportunities they offered for greater flexibility in the future use of the orbit, while maintaining guarantee of access. His initial feeling was that the grouping approach would serve that purpose better, but in any case the Committee should choose between the two approaches before proceeding any further: any other decision at that stage would be made on a fundamentally unsound basis.

3.9 The Chairman said that, whereas his proposal in Document DT/64 bore some similarity to the Japanese proposal, it did not exclude consideration of other possible means of obtaining a better Plan. For example, eight of eleven entries in the Plan had been raised to a C/I above 26 dB by manual processes, and Sub-Working Group 4-B-1 might also consider other possibilities such as ordering from the NASARC programme. The Committee needed to hear more views before reaching any decision.

3.10 Mr. Bellchambers (IFRB) said he first wished to correct a misunderstanding which might have arisen with regard to the ORBIT II programme. The question was not one of random positions but of working according to a set algorithm, so that use of the same data gave the same answers. The difference between the orbital positions obtained was due to the fact that different data had been used. Secondly, it should be borne in mind that when manual adjustments were made to the Plan produced with ORBIT II, that Plan could not be repeated, even if the adjustments were built in as special requirements. Finally, with regard to procedures arising from progressive reduction of the orbital arc,

while implementation of one requirement would give rise to virtually no problems, the introduction of a number of allotments at various stages of implementation would lead to very complicated procedures. Guidance on that point should be given to Working Group 4-C.

3.11 The delegate of Paraguay suggested that Document DT/64 might be referred to Working Group 4-C for possible improvements in the light of the debate.

3.12 The delegate of Kenya observed that, although every effort should be made to introduce maximum flexibility while maintaining the principle of an orbital position for every administration, the real problems would arise when the allotments came to be implemented.

3.13 In reply to questions by the delegate of China, the Chairman said that, in the case of several overlapping arcs, no recalculation would be needed if the allotment concerned was implemented in accordance with the position given in the Plan. Secondly, a change in the order of orbital positions in the course of conversion of allotments into assignments would be permitted, provided the positions remained within the PDA and were protected. In reply to the delegate of Switzerland, he confirmed that the particular geographical requirements mentioned in sub-paragraph b) included those for a minimum elevation angle because of mountainous terrain.

3.14 The delegate of Côte d'Ivoire, referring to the idea of adjusting orbital positions for the reduction of the PDA at various phases, asked what would then happen to the countries listed in Document DT/43(Rev.2) which had submitted special requirements for fixed orbital positions. Working Group 4-B required guidance on whether those countries would also have to move their satellites to give certain administrations access to the orbit, or whether the required fixed positions would be taken into account, in which case the resulting constraints would be borne by the administration seeking access to the orbit. The Chairman replied that the decision on that point was to be taken by Working Group 4-B on the basis of data to be provided by Sub-Working Group 4-B-1. His own feeling was that it would be unfair in principle to call upon all administrations to move from their orbital positions while leaving some 24 countries with orbital positions fixed in perpetuity; in any case, the Committee would examine that question after Working Group 4-B had reached its decision.

3.15 The delegates of Qatar and the Republic of Korea said that, while they did not question the need for flexibility, the proposal in Document DT/64 seemed to be based on the principle of "first come, first served" and could result in providing the best orbital positions for administrations which could implement the pre-design, design and operational stages of satellites within a short space of time and creating unfavourable constraints for administrations unable to do so. The decision on that important matter must be taken with due consideration for the principle of equitable access to the geostationary orbit and on the basis of a more substantive document. The Chairman said that he could not share that pessimistic view. Although the first administrations to implement their allotments would indeed have more flexibility, under his proposal every administration, even the last one to put a satellite into operation, would obtain a satisfactory allotment in the part of the PDA it had chosen, because all the special requirements submitted had been taken into account in the development of the Plan. He would be glad to receive any suggestions concerning subregional systems, existing systems or modifications to the Plan that would make his proposal more acceptable.

3.16 The Chairman of Working Group 4-B pointed out that, for reasons relating to existing systems, accommodation of new administrations or additional national requirements, countries could always find themselves with orbital positions less favourable than those allotted to them at the outset - although they were protected by the establishment of the C/I ratio above 26 dB. The concept of equity could be considered from opposite points of views - on the one hand returning to the original allotments, thus introducing a rigid global regime which would preclude insertion of subregional systems, acceptance of additional requirements and adjustments to ensure compatibility between Parts A and B of the Plan, and on the other hand, accepting less favourable orbital positions in order that every administration might have an allotment satisfying the conditions adopted by the Conference. Those points of view were irreconcilable, and the Committee had to choose between them.

The meeting rose at 1705 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 271-E
29 September 1988
Original: English

MINUTES
OF THE
FOURTH PLENARY MEETING

1. In the statement by the Chairman of Committee 4 (paragraph 2.4) please amend the fourth sentence to read as follows:

"A timetable for the work of Sub-Working Group 4-B-1 had also been adopted."

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 271-E
20 September 1988
Original: English

PLENARY MEETING

MINUTES
OF THE
FOURTH PLENARY MEETING

Thursday, 15 September 1988, at 1600 hrs

Chairman: Prof. Dr. I. STOJANOVIC (Yugoslavia)

Subjects discussed:

Documents

- | | | |
|----|--|-----|
| 1. | Approval of the Minutes of the second Plenary Meeting | 176 |
| 2. | Oral reports by the Committee Chairmen on the progress of their work | - |
| 3. | Third report of the Working Group of the Plenary | 226 |
| 4. | Accession of a new Member of the Union | - |

1. Approval of the Minutes of the second Plenary Meeting (Document 176)

The Minutes of the second Plenary Meeting, contained in Document 176, were approved.

2. Oral reports by the Committee Chairmen on the progress of their work

2.1 The Chairman of Committee 2 said that it had not been considered advisable to hold a meeting of the Committee during the current week in view of the number of credentials received. The next meeting was tentatively scheduled for 1530 hours on Monday, 19 September 1988, and the Committee was sure that it could meet the deadline of Thursday, 29 September 1988 for submission of its final report.

2.2 The Chairman of Committee 3 said that the Committee at its meeting that morning had taken note of the Conference accounts at 11 September 1988 as shown in Document 219 and the margin remaining of 79,000.00 Swiss francs. Members had shown concern about the considerable increase in the budget for document production - from 50,000 to 294,000 Swiss francs - and Committee 3 had asked him to appeal to the Chairmen of the other Committees to exercise as much control as possible in order to avoid the unnecessary reproduction of many voluminous documents; it would be advisable for such documents in the preliminary stage of preparation to be issued as DLs with limited circulation, a step which would help to keep the expenditure down. Nevertheless, the Committee noted with satisfaction the measures taken by the Secretary-General and the Secretariat to effect savings on other items, which had resulted in the margin he had mentioned.

2.3 The Secretary-General said that the Secretaries of Committees and Working Groups had been asked to question requests for overnight production of documents, since that involved considerable expenditure on overtime. Moreover, if the delays already experienced were to continue, there was a risk that the margin of 79,000.00 Swiss francs might be absorbed by interpretation and other requirements during the last weekend of the Conference. He hoped, however, that meetings during that weekend would not be necessary and was confident that the work could be completed by the evening of Wednesday, 5 October 1988.

2.4 The Chairman of Committee 4 said that the Committee had held one meeting since the third Plenary and that work was progressing in Working Groups 4-B and 4-C and in Sub-Working Group 4-B-1. That Sub-Group had been able to improve the first draft Plan and to eliminate cases of C/I < 26 dB. At its meeting earlier that afternoon, the Committee had decided that two parallel syntheses would be run over the weekend, one relating to modified basic requirements only and the other to modified basic requirements plus special geographical situations. A deadline for the completion of the work of Sub-Working Group 4-B-1 had also been adopted. Working Group 4-C was still considering such subjects as the combination of allotments for subregional systems, additional requirements, interaction between entries in parts A and B of the Plan and modifications to the Plan. He was optimistic about the development of the Committee's work and believed that it would result in a satisfactory Plan.

2.5 The delegate of Japan made the following statement:

"As we stated in Working Group 4-B this morning, there was a decision by the IFRB to delete our test points for BSS and FSS planning. The reason for such a decision is not clear to us; if it bears any relation to an understanding of Japanese territory, we must insist that Etorofu Island inherently lies within the territory of Japan. We should also like to take this opportunity to point out that the Northern Islands, including Etorofu Island, inherently lie within

the territory of Japan. We cannot accept a decision which removes any test point within our territory. May we add that the Japanese test points were so selected as to guarantee technically good service quality for our domestic satellite services.

Moreover, in view of the fact that this Union is, in principle a forum for the discussion of technical matters, we cannot accept this kind of decision at this Conference.

Accordingly, we, the Delegation of Japan, make our reservation on this decision to delete the said test point for BSS and FSS planning."

2.6 The Chairman of Committee 5 said that the first draft Plan for feeder links had been received and was being examined by administrations. The intention was to produce a second tentative Plan for consideration as from Tuesday, 20 September 1988; negotiations were under way between administrations in an attempt to resolve incompatibilities resulting from the first draft Plan. Discussions on technical parameters for planning had been practically completed and the relevant technical annexes were being prepared. Work on regulatory procedures and texts was in progress, but no documents had yet been produced; the deadline for completion of work on that subject at Working Group level had been set for Friday, 23 September 1988, but that would involve very hard work during the following week. Finally, the difficult questions still before the Committee included minor modifications to Appendix 30, high-definition television and the extension to Regions 1 and 3 of the procedures for interim systems.

2.7 The Chairman of Committee 6 said that the Committee had held two meetings since the third Plenary Meeting and that he had no major problems to report since the work was proceeding satisfactorily. Nevertheless, he wished to elaborate on the progress made with regard to improved procedures, simplified procedures and general issues. The results of discussion of improved procedures in Working Group 6-A appeared in Document 256, which had been approved by the Committee. The document related to the purpose of MPMs, legal and financial concerns, participation, venue, organization and conduct of meetings and their relationship to the Radio Regulations. Two types of MPM had been identified as a focus for discussion, type b₁, meetings of administrations convened on the request of one administration to facilitate coordination of new and proposed networks, and type b₂, formal meetings convened on a regular basis with the ability to make binding decisions. With regard to simplified procedures, Committee 6 had adopted the principle of coordination and notification of satellite systems on a network basis, as described in Document 238, and the translation of that principle into regulatory texts was proceeding satisfactorily. Where general issues were concerned, the Committee had adopted Resolution COM6/1 on the improvement of the accuracy of the MIFR, as well as some provisions of the Radio Regulations. Despite all the progress that had been made, a great deal of complex work remained, and he appealed to administrations submitting proposals on simplified procedures to try to agree unofficially on common ground and combined approaches for each provision to which the proposals related, in particular to facilitate the work of Sub-Working Group 6-B-1.

2.8 The Chairman of Committee 7 said that the Committee had held only one meeting during the week at which it had examined and finalized three documents transmitted to it by the Technical Working Group of the Plenary. No other documents had yet been submitted to the Committee.

3. Third report of the Working Group of the Plenary (Document 226)

3.1 The Chairman of the Working Group of the Plenary said that the report concerned amendments to Table II of Appendix 28 to the Radio Regulations. The substance of the proposed changes was set out in Document 227 and now appeared in Document 255 to be submitted to the Plenary by the Editorial Committee. It would be noted that only very minor amendments had been proposed to Table II and that they represented the only changes to Appendix 28.

4. Accession of a new Member of the Union

4.1 The Secretary-General said that he had received that afternoon the instrument of accession of a new Member of the Union, the Kingdom of Bhutan and that, in accordance with the decision of the First Session, provision for that country should be made in the Plan. Since Bhutan was a small country with special geographical features, he suggested that the IFRB should be asked to take the necessary action with respect to that new Member of the Union.

4.2 The delegate of India fully supported that suggestion and thanked the Secretary-General for bringing the matter to the attention of the Plenary at that stage.

The Secretary-General's suggestion was approved.

The meeting rose at 1625 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
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Document 272-E
15 September 1988
Original: English

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

WORKING GROUP 4-C

FIRST REPORT OF THE CHAIRMAN OF WORKING GROUP 4-C AD HOC 3 TO THE CHAIRMAN OF WORKING GROUP 4-C

The Group 4-C ad hoc 3 met on two occasions and drafted the following procedures:

ARTICLE [B]

PROCEDURES FOR ADDITIONAL REQUIREMENTS IN THE FREQUENCY BANDS COVERED BY THE ALLOTMENT PLAN

1. Under the terms of this Article:

1.1 An additional requirement is defined as the use of part or all of the frequency bands covered by the Allotment Plan [but will not become part of the Allotment Plan].

1.2 Additional requirements may be requested by any of the following:

1.2.1 an administration [which has already made or will at the same time make use of the same part or all of its allotment];

1.2.2 a group of administrations.

2. Procedures

2.1 An administration or one acting on behalf of a group of named administrations which intends to use frequencies in the bands covered by the Allotment Plan shall apply the provisions of this Article.

2.2 The administration shall seek the agreement of the administrations whose allotments in the Plan or frequency assignments in the M.I.F.R. may be affected according to the criteria in [Annex].

2.3 The administration shall bring its frequency assignments into use in accordance with procedures [Article [...]].

2.4 Additional requirements which have been initiated through these procedures will be entered into the M.I.F.R. as assignments bearing a special symbol for their period of validity*, after which the assignments will be removed from the M.I.F.R.

2.5 Any extension to the period of validity* of these assignments bearing the special symbol shall necessitate the application of the procedures of this article again.

* It was not possible to define precisely the period of validity.

R.J. LUBANGA
Chairman of Working Group 4-C ad hoc 3

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INTERNATIONAL TELECOMMUNICATION UNION

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

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 273-E
15 September 1988
Original: English

Source: DL/33 + Corr.1

WORKING GROUP 6-B

THIRD REPORT BY THE CHAIRMAN OF SUB-WORKING GROUP 6-B-1 TO WORKING GROUP 6-B

During its eighth and ninth meetings the Sub-Working Group considered proposals relating to Article 11, Section II, also taking into account the excellent preparatory work done by the Drafting Group chaired by Mr. M.J. Bates (United Kingdom).

The Group reached conclusions on the wording of the provisions as presented in the annex.

L. SONESSON
Chairman of Sub-Working Group 6-B-1

Annex: 1

ANNEX

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

MOD 1060 § 6. (1) Before an administration (or, ~~in the case of a space station~~, one acting on behalf of ~~a group 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 of the Radio Regulations may be effected for a 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) that have been notified to the Board without any coordination in those cases where Nos. 1066 to 1071 apply.

ADD 1065A Exemption from coordination.

NOC 1066 (3) No coordination under No. 1066 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;
- 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 ~~within a service area of an existing satellite network~~, provided that the 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 together with the information concerning the space station, 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).
- 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.
- 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.

FOR INFORMATION:

CLM/154/1

ADD 1585

A frequency assignment to a space station which has not followed the procedures of the Radio Regulations for its notification and recording in the Master International Frequency Register may not be recorded in the Master Register by the Board. Therefore, it may not obtain international recognition of the use of the frequency or frequency bands which it intends to use.

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 274-E
15 September 1988
Original: English

Source: Document 251

COMMITTEE 7

FIRST SERIES OF TEXTS FROM COMMITTEE 6
TO THE EDITORIAL COMMITTEE

The texts contained in Document 251 as adopted by Committee 6 at its fifth meeting are hereby submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 275-E
15 September 1988
Original: English

COMMITTEE 7

SECOND SERIES OF TEXTS FROM COMMITTEE 6 TO THE
EDITORIAL COMMITTEE

The texts contained in the annex to Document 197 as amended, those contained in items 1, 2 and 3 of the annex to Document 249 as adopted by Committee 6 at its fifth meeting, and item 3 of the annex to Document 188 as adopted by Committee 6 at its third meeting are submitted to the Editorial Committee.

J.F. BROERE
Chairman of Committee 6

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 276-E
15 September 1988
Original: French

SUB-WORKING GROUP 5-B-1

Note by the Chairman of Sub-Working Group 5-A-2 to ad hoc 3
to the Chairman of Sub-Working Group 5-B-1

FORMULA FOR THE OVERALL EQUIVALENT PROTECTION MARGIN

AMENDMENT TO BE MADE TO ANNEX 5 TO APPENDIX 30

As a result of adoption of the formula for the overall equivalent protection margin for Regions 1 and 3 in section 1.11 of Annex 3 to Appendix 30A, section 1.14 of Annex 5 to Appendix 30 needs amending. Accordingly, the following modification is proposed:

- under the title of section 1.14, insert the words:
"In Region 2";
- at the end of the section, add the following words:
"In Regions 1 and 3".

The formula for the overall equivalent protection margin is given in section 1.11 of Annex 3 to Appendix 30A".

Mrs. M. GIOVACHINI
Chairman of Sub-Working Group 5-A-2 ad hoc 3

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 277-E
15 September 1988
Original: English

Source: Document DL/26

WORKING GROUP
OF THE PLENARY

REPORT FROM THE CHAIRMAN OF SUB-WORKING GROUP 3 OF THE WORKING GROUP OF THE PLENARY TO THE WORKING GROUP OF THE PLENARY

Sub-Working Group 3 (SWG 3) met for the afternoon of Tuesday, 13 September 1988, to consider texts on steerable satellite antenna beams for inclusion in Appendices 3 and 4 of the Radio Regulations.

Terms of reference for Sub-Working Group 3 were given in Document DL/26, and adopted (see Annex 1).

The input documents were 18 (IFRB), 49 (Australia) and 56 (United States). It was noted that Document 18 did not contain specific proposals, but included IFRB Rule H1 concerning steerable beams. It was further noted that the other documents' proposals were consistent with Rule H1.

The Sub-Working Group agreed on the texts for Appendices 3 and 4, noting the need to align the texts of the two appendices as closely as possible. For Appendix 3, the Sub-Working Group worked from a draft text, which, after some minor amendments, was adopted. For Appendix 4, the Sub-Working Group took in text, with some further modifications, from that prepared for Appendix 3. So as a result, delegates had not, by the end of the meeting, seen a consolidated version of what was agreed for Appendix 4. (The text will be issued as DT/59.)

The Sub-Working Group has now essentially met its terms of reference.

At the end of the meeting, some points were raised which could not be considered because of time. These included the following:

- a misalignment between the new texts for Appendices 3 and 4 was pointed out, but could not be agreed in the time.
- the IFRB proposed some text changes concerning antenna beam contours. This has more general implications than for steerable beams alone, and could not be discussed.
- the continuation of studies on steerable beams by CCIR was not able to be discussed.

G.F. JENKINSON
Chairman of Sub-Working Group 3
of the Working Group of the Plenary

Annex: 1

ANNEX 1

TERMS OF REFERENCE
OF SUB-WORKING GROUP 3
OF THE WORKING GROUP OF THE PLENARY

APPENDICES 3 AND 4 - STEERABLE BEAMS

Based on available input documents, develop text concerning steerable satellite antenna beams, for incorporation into relevant sections of Appendices 3 and 4 of the Radio Regulations.

The text should address:

- identification of steerable beams;
- provision of additional technical information where available.

For Appendix 3, the relevant sections are D.10 and E.9.

For Appendix 4, the appropriate sections must be selected for inclusion of the developed text elements.

(Note - The texts developed by this Sub-Working Group will be subject to appropriate alignment to conform to the definitions relating to steerable beams which are being developed within Committee 6.)

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Document 278-E
16 September 1988
Original: English

WORKING GROUP 6-C

Australia, New Zealand, Norway and the United States

SATELLITE NETWORKS WITH MULTIPLE BANDS AND SERVICES

Introduction

The Administrations of Australia, New Zealand, Norway and the United States, having further studied the proposals AUS/49/26, NZL/73/3, and USA/77/1, submit the following revised and combined proposal for consideration.

Proposal

AUS/NZL/NOR/USA/278/1

ADD

RECOMMENDATION [COM6/A]

Relating to the Accommodation of Multi-band and Multiservice Satellite Networks Using the Geostationary 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 for economic and practical reasons, administrations may find it desirable to utilize geostationary satellites having one or more networks using multiple frequency bands and services (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;
- c) that the need to apply separate regulatory procedures may lead to incompatible results for the different bands or services concerned;
- d) that each procedure has equal status in its own right for specific frequency bands allocated to specific radiocommunication satellite services;

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 order in which procedures are applied;
- c) that it may be practicable to use modification provisions of satellite assignment and allotment plans as an aid in the resolution of difficulties;
- d) that it is desirable to simplify the process for bringing into use satellite networks subject to more than one procedure;

invites

the CCIR to continue its technical studies into multi-band and multiservice satellite systems [(reference CCIR report)];

recommends

- a) that administrations should take into account the above factors when planning and implementing a satellite network that will be subject to multiple procedures;
 - b) that administrations cooperate, to overcome the particular problems of satellite networks subject to multiple procedures;
 - c) that, in the light of experience with the use of various procedures, future conferences review, as appropriate, the accommodation of multiservice and multi-band satellite systems.
-

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 279-E
16 September 1988
Original: French

Source: Document DT/54

COMMITTEE 4

Note from the Chairman of Working Group 4-B
to the Chairman of Committee 4

WORK PLAN

From 15 to 20 September, Sub-Working Group 4-B-1 would be dealing with the problem of accommodating special requirements related to particular geographical situations. The work of the group concerning this matter would probably include a synthesis run of the ORBIT II program and several manual synthesis followed by a complete analysis.

From 21 to 22 September, Sub-Working Group 4-B-1 would be studying the problem of accommodating special requirements related to both technical operation and improvement of the Plan.

In the second case, if all special requirements related to particular geographical situations could be accommodated, the trial for including the remaining special requirements, although probably difficult, will be done in the period 21 to 22 September.

From 23 to 28 September, Sub-Working Group 4-B-1 would then be dealing with the compatibility between Parts A and B of the Plan. Probably, the Plans that would have been developed at that time will present incompatibilities between their Parts A and B. It would then be necessary to develop new Plans, bearing in mind the compatibility between Parts A and B of the Plan. Concerning this matter, the work of the Group would possibly include a synthesis run of the ORBIT II program and several manual synthesis followed by a complete analysis.

The following time schedule has been adopted, and instructions have been given to Group 4-B-1 to finish work before the deadlines wherever possible:

- 15 September to 20 September - Special requirements related to particular geographical situations;
- 21 September to 22 September - Remaining special requirements;
- 23 September to 28 September - Compatibility between Parts A and B of the Plan.

C.T. N'DIONGUE
Chairman of Working Group 4-B

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 280-E
16 September 1988
Original: English

COMMITTEE 4

NOTE FROM THE CHAIRMAN OF WORKING GROUP 4-B
TO THE CHAIRMAN OF COMMITTEE 4

In view of facilitating the establishment of the Allotment Plan,
Working Group 4-B agreed to use a value of 0.1 degrees for the satellite antenna
pointing accuracy.

C.T. N'DIONGUE
Chairman of Working Group 4-B

CONF\ORB-2\DOC\280E.TXS

INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 281-E
16 September 1988
Original: English

Source: Document DL/28

COMMITTEE 5

NOTE OF THE CHAIRMAN OF WORKING GROUP 5-B TO COMMITTEE 5

The following modified text was adopted for RR 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)."

C. DOSCH
Chairman of Working Group 5-B

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 282-E
16 September 1988
Original: English

COMMITTEE 4

Japan

IMPORTANCE OF FLEXIBILITY OF SATELLITE POSITIONS IN THE ALLOTMENT PLAN

1. Introduction

One of the main objectives of this Conference is to create an allotment plan which guarantees equitable access to the GSO and spectrum to all ITU Members. Satellite systems which will utilize these bands are to be implemented in accordance with the Plan and associated procedures which will be effective for a long period, e.g., more than ten years. In this long period, a variety of requirements such as those for subregional systems, those for multi-band satellite systems, etc., will arise and these requirements should suitably be accommodated in the GSO through the procedures associated with the Plan.

The Japanese Administration considers that flexibility of satellite positions in the Plan will be extremely important and indispensable in order to satisfy those requirements mentioned above. This document is to emphasize the importance of flexibility.

2. Features of the associated procedures

Characteristics required for the procedures associated with the Allotment Plan are:

- 1) to be capable of enabling, practically, an administration or a group of administrations to implement a subregional system, or to implement a system with modified technical characteristics from those for the original allotment and so forth;
- 2) to be simple, straightforward and easily performed, practically, by the IFRB and administrations; and
- 3) to ensure that allotments will be protected against interference from other satellite systems.

3. Importance of flexibility in the Plan

Flexibility of the Plan will be extremely important in realizing orbit utilization. One example of the requirement for a subregional system shows the necessity of flexibility.

Subregional systems will be very hard to implement because of their relatively large coverage. Even in the case of combining the national allotments into a subregional system, there will be a large possibility of national systems in accordance with the Plan, allotment or assignment, being affected by the subregional system. In such a circumstance, there might be no possibility to accommodate the requirement of a subregional system unless all relevant allotments shift their orbital position to the extent necessary to make some room for the subregional system.

The position of the satellite in the early stage of development could be shifted relatively widely without any adverse effect on the allotment. Following the progress of the satellite development and manufacturing, the acceptable range of movement of the satellite orbital position will be reduced in order to provide technical stability in development and operation of the satellite system.

Similar argument may be applied to the cases of including an allotment for a new ITU Member, of modifying the technical parameters of those specified in the allotment and so on.

4. A method to introduce flexibility in the Plan

The method of progressive reduction of the predetermined arc (PDA) proposed in Annex 1-2 of Document 53 is a promising means to accommodate requirements such as subregional systems and modification of allotments.

A key feature of this method is reconfirmation of access in the management of the Plan after the initial plan is generated. For each request, the computer program will be rerun under the condition of maintaining the same satellite ordering and the possibility of satisfying the requirement will be sought. In this process, the nominal position of each satellite not in use will be subject to adjustment by the minimum amount in the range which the adjustment has little or no practical influence on the allotment.

Some administrations may consider that it is not convenient that its nominal satellite position should be adjusted in order to include requirements of other administrations. But it should be noted that the adjustment does not affect the actual system and in any case the guarantee of access is assured by the reconfirmation process.

If the satellite system corresponding to the allotment is not yet designed or implemented, no impact is foreseen as long as its future access to the GSO is guaranteed in the orbital arc which satisfies its requirements taking into account any special geographical situation. The guarantee of access is given as a new nominal position of satellite which will be located within the PDA initially given in the Plan.

If the satellite is already in operation, even a small amount of change of location will have an impact on the operation of the system. Therefore, change of the nominal position of the operational satellite is not usually considered. In an exceptional case and only if agreement of the administration is obtained, the nominal position of the operational satellite may be subject to change within a very narrow range of arc.

Thus, our proposal for the definition of the PDA is the one with progressive reduction in the course of designing and implementation, which is summarized as follows (refer to Document 53 for the exact definition):

J/282/1

- 1) for a system in the pre-design stage:
[± 10] degrees of the initial nominal position within the service arc;
- 2) for a system in the design stage:
[± 5] degrees of the nominal position which was given when the system entered into the design stage within the PDA of pre-design stage;
- 3) for a system in the operational stage:
[± 2] degrees of the nominal position which was given when the system entered into the operational stage within the PDA of design stage.

The proposed numerical values of the length of the arc, i.e., ± 10, ± 5, and ± 2 degrees, are offered for discussion in this Conference.

The idea of the progressive reduction of PDA is that every member in the Plan cooperates to make room for various requirements not included in the initial plan, such as subregional systems, etc., in the range that each member can accept without impairment to its allotment. The cooperation of all members will result in successful implementation of their requirements of subregional systems, etc., at the later stage, while guaranteeing the sure implementation of the allotments of all countries.

5. Conclusion

The Japanese Administration would like to draw attention to the necessity and importance of accommodating requirements such as subregional systems which will not be included in the initial Plan. In order to enable such requirements to be accommodated in the GSO, flexibility of the position of the satellite is important and indispensable.

As a means to attain this flexibility, the idea of the progressive reduction of PDA is explained. The proposed definition offers high possibility of accommodating requirements not included in the initial Plan in a practically workable situation with simple and straightforward procedures without complicated and difficult coordination and without undue burdens being imposed on the systems in the Plan.

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Document 283-E
16 September 1988
Original: English

COMMITTEE 6-C

United States

PROPOSALS FOR THE WORK OF THE CONFERENCE

ARTICLE 1

Terms and Definitions

Section IV. Radio Stations and Systems

USA/283/1

MOD 66

4.9 Mobile Earth Station: An earth station in the mobile-satellite service, meteorological-satellite service, earth exploration-satellite service, space research service, space operations service, or, the radiodetermination-satellite service, intended to be used while in motion or during halts at unspecified points.

USA/283/2

MOD 73

4.16 Ship Earth Station: A mobile earth station in the maritime mobile-satellite service, meteorological-satellite service, earth exploration-satellite service, space research service, space operations service, or, the radiodetermination-satellite service located on board ship.

Reasons: To allow ship and other mobile earth stations to receive communications in the meteorological-satellite service, earth exploration-satellite service, space research service, and space operations service; and to allow for future shipboard and other mobile earth station operations in the radiodetermination-satellite service. As the definitions of Mobile Earth Station and Ship Earth Station are currently worded, advanced publication of shipboard receive stations in the meteorological-satellite service, earth exploration-satellite service, space research service, or space operations service is not recognized. The radiodetermination-satellite service is included to avoid similar strict interpretations of the Radio Regulations in this service in the future.

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 284-E
16 September 1988
Original: English

Source: Document DT/52(Rev.1)

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF WORKING GROUP 6-B
TO THE CHAIRMAN OF COMMITTEE 6 IN RELATION TO
THE IMPACT OF THE NETWORK COORDINATION AND NOTIFICATION
PRINCIPLE ON ARTICLE 13

1. At the present stage of discussion in Committee 6, it has been decided that coordination (RR 1060) of space radiocommunication stations may be effected on a network basis (i.e., transmitting and receiving space station including characteristics of typical earth stations).
2. For notification, under Article 13, of space radiocommunication stations the following shall apply.
 - 2.1 The space station (transmitting and receiving) is notified by the administration responsible for the space station, indicating the characteristics of the associated typical earth stations.
 - 2.2 Typical earth stations requiring RR 1107 coordination shall be notified individually as specific earth stations, after necessary coordination.
 - 2.3 An administration intending to use a typical earth station (coordinated under RR 1060) located on its territory which does not require RR 1107 coordination may notify it if the administration so wishes.
 - 2.4 Specific earth stations have to be coordinated under RR 1060 with other satellite networks if the actual values of their parameters could cause or suffer interference exceeding the interference level produced by the typical earth stations which have been coordinated. This coordination, as well as the coordination under No. 1107, if required, and the notification shall be made by the administration on the territory of which the earth station is located.

A. CAREW
Chairman of Working Group 6-B

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INTERNATIONAL TELECOMMUNICATION UNION

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 285-E
16 September 1988
Original: English

Source: Document 273

COMMITTEE 6

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

At its eighth meeting the Working Group adopted the following provisions of Article 11, Section II, presented in the annex.

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

Annex: 1

ANNEX

[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;

- 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).

[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.

INTERNATIONAL TELECOMMUNICATION UNION

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Document 286-E
16 September 1988
Original: English

SUB-WORKING GROUP 6-B-2

SECOND REPORT OF THE CHAIRMAN OF DRAFTING GROUP 6-B-1

In accordance with its terms of reference, the Drafting Group considered what modifications to Article 13 of the Radio Regulations were necessary in order to give effect to the principles set out in paragraph 2 of Document DT/52(Rev.1). It took into account relevant proposals from administrations.

Its proposals are set out in the annex to this report.

Proposal ADD 1494B contains a reference, in square brackets, to paragraph 7 of Appendix 28. The Technical Working Group of the Plenary will need to consider whether paragraph 7 of Appendix 28 will require any modification to cover its use in these circumstances.

M.J. BATES
Chairman of Drafting Group 6-B-1

Annex: 1

ANNEX

ARTICLE 13

- | | |
|-------|---|
| [NOC] | Title |
| [NOC] | Sub-title |
| NOC | <u>1488-1491</u> |
| NOC | 1492-1493 |
| 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 include 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, or of a typical earth station, and an indication of the service area within which these stations are to be operated. |
| ADD | 1494A Individual notification of an earth station is required when: |
| ADD | 1494B a) the service area in which a typical earth station may be located is such that the coordination contour calculated in accordance with Appendix 28, [paragraph 7]* overlaps the territory of another administration in which the frequency band is allocated with equal rights to a terrestrial service; |
| 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. |

*Note - The Technical Working Group of the Plenary will need to consider whether paragraph 7 of Appendix 28 will require any modification to cover its use in these circumstances.

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Document 287-E
12 September 1988
Original: English

Source: Document 237

COMMITTEE 5

NOTE FROM THE CHAIRMAN OF COMMITTEE 6 TO THE CHAIRMAN OF COMMITTEE 5

Committee 6, while considering the proposals under Article 69 of the Radio Regulations for consequential modifications to the provisions of the Radio Regulations, decided to refer two of them to Committee 5, as they are of direct relevance to its work.

Accordingly, the proposals contained in the annex are transmitted to Committee 5 for its consideration.

J. F. BROERE
Chairman of Committee 6

Annex: 1

ANNEX

CAN/60/245

MOD 5192 (Text will require modification if Appendix 30 becomes
an Article in the Radio Regulations.)

CAN/60/247

SUP 5193.1

Reasons: The Final Acts of WARC ORB-85 have now entered into force and
Appendix 30 will be reviewed again by ORB-88. Therefore, the text is
redundant.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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Document 288-E
19 September 1988
Original: English

WORKING GROUP 6-B

Canada, the United States of America, Japan, and Sweden

PROPOSALS RELATING TO ARTICLE 14

Introduction

The above named administrations, recognize that many space services have experienced difficulty in the application of Article 14 of the Radio Regulations.

These administrations also recognize that Article 14 is applicable to many radiocommunication services, both space services and terrestrial services.

The named administrations propose the adoption of the attached Resolution and Article 14B in respect of space services. A consequential amendment to Article 14 is necessary to draw attention to Article 14B, and proposed text is provided below.

Proposal

MOD Supplementary Procedure to Be Applied in Cases Where a Footnote in the Table of Frequency Allocations Requires an Agreement with an Administration Involving any Terrestrial Service.

RESOLUTION 14X

RELATING TO THE IMPROVEMENT OF THE PROCEDURES OF
ARTICLE 14 OF THE RADIO REGULATIONS AND DEVELOPMENT
OF TECHNICAL CRITERIA FOR THEIR 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, in some cases, there exist no technical criteria, in Article 14, to identify affected administrations;
- b) that there is a lack of appropriate CCIR Recommendations and Reports or IFRB Technical Standards applicable to assess the permissible interference levels in many cases;
- c) that Article 14, in many instances, omits required time periods and the steps to be taken when an impasse is reached between administrations;
- d) that recent administrative radio conferences have used extensive references to Article 14 when revising existing footnotes to the Table of Frequency Allocations of Article 8 or developing new ones;
- e) that the guidelines contained in the First Session report to the Second Session of this conference, recommended a review of several of the Article 14 provisions pertaining to space services;
- f) that there is a need for a detailed review of the principles on which Article 14 was adopted and of the consequential changes necessary for efficient and simplified application of this article;
- g) that many of the footnotes in the Table of Frequency Allocations, in which Article 14 is mentioned, do not apply to space services and, consequently, this Conference may not treat them;
- h) that actions taken in relation to Article 14 could also bear on the decisions of other future conferences;
- i) that the provisions of Article 14 are applicable to many radiocommunication services and should be reviewed by a conference competent to deal with all services;

NOTING that this Conference:

(1) has reviewed Article 14 with respect to space services, and with due regard for the protection of the rights of terrestrial services;

(2) has adopted provisions for a separate Article 14B, applicable to and between space services only;

RESOLVES:

i) that a future competent world administrative radio conference review and revise, as appropriate, the provisions of Article 14 of the Radio Regulations;

ii) that administrations and the IFRB shall apply the procedures contained in Article 14B with immediate effect;

REQUESTS the Administrative Council:

to place on the agenda of a future competent world administrative radio conference the review of the Table of Frequency Allocations and, in particular, the footnotes relating to the application of Article 14 and to review and revise, as appropriate, the provisions of Articles 14 and 14B;

INVITES the CCIR:

1. to develop the sharing criteria for different radio services which are subject to the application of Articles 14 and 14B;

2. to provide technical criteria to identify the affected administrations, as well as to determine permissible interference levels for the concerned radio services;

URGES Administrations:

to study this matter and to submit proposals for consideration by a future competent world administrative radio conference.

[ARTICLE 14B]

Procedure to Be Applied in Cases Where a Footnote
in the Table of Frequency Allocations Relating to a Space
Radiocommunication Service Requires an Agreement with
an Administration with Respect to Other Space Services

1631 §1. (1) Before an administration, or one acting on behalf of a group of named administrations, notifies to the Board a frequency assignment, to be used for transmission or reception, in accordance with any footnote in the Table of Frequency Allocations which makes reference to this Article, it shall obtain the agreement of any other administration whose services may be affected. This procedure shall be initiated at the same time as the application of the provisions of Article 11.

1632 (2) Agreement under this Article to frequency assignments of a proposed geostationary-satellite network shall not be required from other administrations with respect to their geostationary-satellite networks.

1633 Information to be provided to the Board

1634 The administration seeking agreement shall send to the Board the characteristics of the planned assignment listed in Appendix 4 and Appendix 3 when the latter is available.

1635 Action by the Board

1636 On receipt of the information referred to in No [1634] or No. [1655V] the Board shall:

1637 a) endeavour to identify administrations whose services may be affected,

1634.1 The information in Appendix 3 or 4 submitted to the Board under Article 11 may also be used for the purpose of this procedure.

- 1638 b) publish the information sent under No. [1634] or No. [1655V] with the names of the administrations identified under No. [1637] in a special section of its weekly circular, within three months, and shall also, when the weekly circular contains such information, so advise all administrations by circular telegram. When the Board is not in a position to comply with the time limits referred to above, it shall, periodically, so inform the administrations, giving the reasons therefor.
- 1639 The Board shall apply the technical criteria used in establishing compatibility under the other provisions of the Radio Regulations in determining the space services in accordance with the Table which could be affected. In special cases, where no appropriate technical criteria have been established in the Radio Regulations, CCIR Recommendations or the Technical Standards of the Board shall be used as appropriate. See also Nos. 1001 and 1001.1
- 1639.1 In the absence of appropriate CCIR Recommendations or IFRB Technical Standards, the technical criteria to be used shall be agreed between the administrations concerned.
- 1640 Assignments to be taken into Account
- 1641 Assignments which could be affected and which are to be taken into account when applying the Article 14B procedures are those:
- 1642 a) having an existing assignment, recorded in the Master Register, in conformity with No. 1503,
- 1643 b) networks for which information under No. [1042] has been received by the Board,
- 1644 c) for which the Article 14B procedure has been initiated,
-
- 1638.1 The administration submitting the information listed in Appendix 3 or 4 in accordance with the provisions of Article 11 may also ask the Board to apply this information in pursuance of this procedure and the Board shall indicate in the appropriate special section of its weekly circular that agreement under this Article is also sought.

1645 Exemption from the Article 14B Procedure

1646 No agreement under No. [1631] is required when:

1647 a) a new assignment subject to the Article 14B procedure will be used for reception only and the administration concerned accepts any interference which may be caused by stations operating in accordance with the Table or for which the provisions of this Article have been successfully applied, if appropriate;

1648 b) modifications are made to a network for which the Article 14B procedure has been successfully completed, if, in the case of a transmitting station, the proposed modification does not increase the potential for interference and, if, in the case of a receiving earth station, the administration accepts the increased interference to its assignment(s).

1649 c) an assignment subject to the procedure will be notified under the provisions of No. 342.

1650 Action by the Administrations Concerned

1651 (1) Any administration, on receipt of the information referred to in No. [1634] or No. [1655V], shall examine the matter with respect to services rendered by its stations operating in accordance with the Table of Frequency Allocations or to be operated within the next six years. If this examination reveals potential adverse effects, then, within four months of the date of the relevant weekly circular, the administration shall inform both the administration concerned and the Board.

1652 (2) Any administration not having commented within the period of four months specified in No [1651] shall be regarded as unaffected by the planned assignment.

1653 (3) Any administration responding under No. [1651] to a request for agreement and which cannot give its agreement to the request shall, at the same time, give at least the relevant basic characteristics of its stations whose services may be affected, sufficient to permit an evaluation of the incompatibility, and shall make such suggestions as it may be able to offer with a view to a satisfactory solution of the problem. A copy of all this information shall simultaneously be sent to the Board.

1654 **Assistance by the Board**

1655 An administration seeking agreement or an administration with which agreement is sought or any other administration whose services might be affected may request the assistance of the Board in applying any of the steps of this procedure, which may consist of:

1655A a) identifying administrations whose services might be affected;

1655B b) evaluating the levels of interference

1655C c) defining, with the agreement of the administrations concerned, the technical criteria to be used'.

1655D **Resolution of Difficulties**

1655E (4) If the administration which cannot give its agreement to the request does not provide the basic characteristics of its affected stations within the period of four months specified in Nos.[1651 and 1653], the administration requesting agreement may request the Board to endeavour to obtain the characteristics.

1655F (5) Where the Board receives a request under No. [1655E], it shall forthwith send a telegram to the administration concerned requesting the relevant basic characteristics.

1655G (6) When an administration fails to provide the characteristics of its affected stations within three months of dispatch of the Board's telegram of request under No. [1655F], it shall be deemed that the administration agrees to the request for agreement.

1655H The administration requesting agreement under Nos. [1631 to 1634] and the administration responding under No. [1651] shall together' make every effort to resolve the problem before the date of bringing into use of the planned assignment.

1655H.1

' In the absence of appropriate CCIR Recommendations or IFRB Technical Standards, the technical criteria to be used in such a case shall be agreed between the administrations concerned.

- 1655I Either administration may request from the other additional information which may be required to resolve the problem. A copy of such a request and of any information given in response shall be sent to the Board.
- 1655J Either administration may request the assistance of the Board in an attempt to resolve the problem. In this situation, administrations should adhere to the time limits set by the Board in responding to its communications. In any case, the Board's intervention should be completed within a time frame of four months, whereafter No. [1655Q] applies.
- 1655K When the request for agreement concerns assignments to receiving stations, and the administration seeking agreement declares that it accepts interference from assignments for which the relevant basic characteristics have been provided by an affected administration, notification of this acceptance shall constitute an agreement.
- 1655L The Board shall determine if the disagreement is based on valid technical or operational grounds which demonstrate incompatibility.
- 1655M If the Board's examination reveals that the disagreement is based on valid technical or operational grounds, and, if planned assignments are involved, the administration with which agreement was sought shall notify these assignments as having been brought into use within six years of the date of the unfavourable finding by the Board.
- 1655N Following resolution of the problem, the administration which sought agreement shall inform the Board to that effect.
- 1655O **Publication of Results**
- 1655P An administration having sought agreement under Nos. [1631] to [1634] and having received either no response or only responses of agreement under No. [1651] from any administration shall, on the expiry of the period of four months following the date of the relevant weekly circular mentioned in No. [1638], inform the Board thereof and shall then be regarded as having successfully completed the procedure of this Article.

- 1655Q An administration having sought agreement under Nos. [1631] to [1634] and having received one or more responses of disagreement under No. [1651] shall, on the expiry of the period of four months following the date of the relevant weekly circular mentioned in No. [1638], inform the Board of the disagreement, the progress made in reaching agreement, or of any difficulties. Such communication shall be made, as necessary, to the Board every six months after the above mentioned period.
- 1655R An administration having sought agreement under Nos. [1631] to [1634], having received one or more responses of disagreement under No. [1651], and having informed the Board under No. [1655N] of the resolution of the problem, shall be regarded as having obtained agreement in accordance with the relevant footnote of the Table of Frequency Allocations.
- 1655S Unless objections, based on valid technical or operational grounds, are received, the Board shall consider the procedure successfully completed.
- 1655T The Board, following receipt of advice under Nos. [1655K] and [1655N] as to the completion of this procedure, shall publish this information in the appropriate special section of the weekly circular.
- 1655U Amendments to the Information sent to the Board
- 1655V Any amendments to the information pertaining to the assignments for which an administration is seeking agreement shall be sent to the Board.
-

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 289-E
19 September 1988
Original: English

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF WORKING GROUP 6-C
TO THE CHAIRMAN OF COMMITTEE 6

REVIEW OF RESOLUTION 34

Working Group 6-C 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 through Committee 6.

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

Annex: 1

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/..

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19 September 1988
Original : English

COMMITTEES 4, 5 & 6 AND THEIR WORKING GROUPS

NOTE BY THE CHAIRMAN OF COMMITTEE 3 TO THE CHAIRMEN OF COMMITTEES 4, 5 and 6 AND THEIR WORKING GROUPS

During consideration of the accounts of this Conference, the Budget Control Committee was informed of the increase in expenditure for Conference documentation.

The Budget Control Committee has therefore requested that the attention of all the Chairmen of Committees and Working Groups should be drawn to this situation. Committee 3 requests in particular that steps should be taken to limit the volume of documentation to be produced whenever possible. For this purpose, it considers it necessary :

- to avoid issuing revised documents whenever this is not absolutely necessary ;
- to avoid issuing DT or white documents for general distribution instead of DL documents (documents for limited distribution) ;
- to avoid publishing agendas for ad hoc working groups with limited membership.

M.K. RAO
Chairman of Committee 3

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 291-E
19 September 1988
Original : French

BUDGET CONTROL COMMITTEE

Note by the Secretary-General

SITUATION OF THE CONFERENCE ACCOUNTS

AS AT 18 SEPTEMBER 1988

I herewith submit for consideration by the Budget Control Committee, an estimate of Conference expenditure as at 18 September 1988.

The figures show a margin of 109,000 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

ANNEX 1

Situation of accounts for WARC ORB on 18 September 1988

Title	Budget	Budget	Expendit.	on 18.09.88
	approved	adjust.	actual	commit. total
	by the	at		estim.
	A.C.	01.09.88		
col.	1	2	3	4
				5
				- in thousands of Swiss francs -
Subhead II Staff expenditure				
Salaries and related expenses	1480	1635	57	1330 1387
Travel (recruitment)	150	150	0	71 71
Insurance	39	39	1	15 16
	1669	1824	58	1416 1474
Subhead III Premises and equipment costs				
Premises, furniture, machines	90	90	2	133 135
Document production	50	50	87	201 268
Office supplies and expenses	50	50	16	34 50
PTT	120	120	53	40 93
Technical installations	20	20	0	18 18
Sundry and unforeseen	12	12	2	10 12
	342	342	160	436 596
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	308	157 465
Supernumerary staff	18	18	0	11 11
Other staff costs	56	56	27	10 37
Insurance	77	62	48	24 72
Computer facilities	200	200	150	43 193
Mission expenses	27	27	24	0 24
Premises, furniture, machines	50	50	68	10 78
Information meeting	30	30	10	0 10
	917	903	635	255 890
TOTAL SECTION 11.5	3000	3141	853	2179 3032

Margin in relation to the budget

109

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Original : English

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COMMITTEE 6 and
WORKING GROUP 6-A

Republic of India, Republic of Indonesia, Mexico

PROPOSAL TO THE WORK OF THE CONFERENCE

RESOLUTION XX

relating to Improved Procedures for 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 the frequency bands allocated to space services, first embodied in Resolution Spa 2-1 of WARC-71;
- c) that Resolution 3 of WARC-79 resolved on the need to guarantee in practice for all countries equal 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 Articles 11 and 13 as well as Article 14 of the Radio Regulations have 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 as a part of a mechanism to provide equitable access to the GSO and spectrum resource in certain fixed-satellite service frequency bands has been examined by this Conference;

recognizing

1. that the coordination of technical characteristics of each satellite network presents unique circumstances and requirements;
2. that success in such coordination and resolution of the problems of new satellite networks could in some cases necessitate appropriate burden sharing among Administrations concerned;
3. that any coordination process requires the cooperation and goodwill of all concerned Administrations so as to realize 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 in some circumstances the convening of Multilateral Planning Meetings (MPM) as a part of the process of coordination could become an affective means of resolving coordination problems;

resolves

1. that the MPM should also be a part of a process of coordination;
2. that the convening of such MPM would be appropriate only in exceptional cases where the other processes of coordination are unlikely to yield results, satisfactory to all parties;
3. that any Member country of the Union seeking the coordination of a satellite network has the right to propose to the Administrations concerned the holding of MPM;
4. that the MPM may be convened at a suitable place, including Geneva, in consultation with the concerned Administrations;
5. that all other Administrations concerned have the obligation to respond by way of participating in the coordinating process through the MPM;
6. that the representatives of concerned multiadministration systems may also participate in the MPM;
7. that the cost of the MPM be borne by all parties concerned;

resolves further

1. that at the request of the Administrations, the Secretary-General may supply secretarial services under contractual arrangements in accordance with No. 286 of the Nairobi Convention;
2. that Administration(s) may call upon the permanent organs of the Union (General Secretariat, IFRB and CCIR) for any technical advice as they deem necessary;

calls upon

all Administrations concerned 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 the assurance of equitable access in practice, to propose that the matter be taken up by the competent administrative conference.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

Document 293-E
20 September 1988
Original: French

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

COMMITTEE 2

Second Report of Working Group 2-A to Committee 2

1. The Working Group of Committee 2 (Credentials), at its second meeting on 19 September 1988, examined the credentials of the following delegations:

Afghanistan (Republic of)
Albania (Socialist People's Republic of)
Argentine Republic
Austria
Bahrain (State of)
Byelorussian Soviet Socialist Republic
Burkina Faso
Canada
Chile
China (People's Republic of)
Cyprus (Republic of)
Colombia (Republic of)
Egypt (Arab Republic of)
Ghana
India (Republic of)
Iceland
Liberia (Republic of)
Libya (Socialist People's Libyan Arab Jamahiriya)
Morocco (Kingdom of)
Mauritania (Islamic Republic of)
Monaco
Pakistan (Islamic Republic of)
Qatar (State of)
Democratic People's Republic of Korea
Ukrainian Soviet Socialist Republic
Senegal (Republic of)
Sweden
Trinidad and Tobago
Tunisia
Turkey
Union of Soviet Socialist Republics
Zambia (Republic of)

These credentials are all in order.

2. The Working Group noted that some delegations attending the Conference have not yet deposited their credentials. These delegations will be contacted by the Secretariat.

S. SISSOKO
Chairman of Working Group 2-A

INTERNATIONAL TELECOMMUNICATION UNION

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WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 294-E
19 September 1988
Original: English

Source: Document 193

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 examined two proposals concerning Article 29 (see Document 193). It decided that:

1. Modification to a footnote to Section III of Article 29 as follows:

NOC

Section III. Station Keeping of Space Stations¹

NOC

2615

§ 4. (1) Space stations on board geostationary satellites which use any frequency band allocated to the fixed-satellite service or the broadcasting-satellite service²:

NOC

2616

a) shall have the capability of maintaining their positions within ± 0.1 degree of the longitude of their nominal positions;

NOC

2617

b) shall maintain their positions within ± 0.1 degree of longitude of their nominal positions; *but*

NOC

2618

c) experimental stations on board geostationary satellites need not comply with No. 2616 nor No. 2617, but shall maintain their positions within ± 0.5 degree of longitude of their nominal positions;

NOC

2619

d) however, space stations need not comply with No. 2617 nor No. 2618 as appropriate as long as the satellite network to which the space station belongs does not cause unacceptable interference³ to any other satellite network whose space station complies with the limits given in Nos. 2617 and 2618.

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

² Space stations in the broadcasting-satellite service on geostationary satellites operating in the band 11.7 - 12.7 GHz are exempted from these provisions but shall maintain their positions in accordance with Appendix 30 *.

NOC

2619.1

³ The level of accepted interference shall be fixed by agreement between the administrations concerned, using the relevant CCIR Recommendations as a guide.

NOC

* Note by the General Secretariat: Appendix 30 has been revised by 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, and becomes Appendix 30 (Orb-85).

2. The KEN/69/36 proposal was covered sufficiently by Resolution [COM6/2] - Relating to Inclination Limit of Orbits of Geostationary Space Stations (see Document 295).

R. RYVOLA
Chairman of the Working Group of the Plenary

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 295(Rév.1)-F/E/S
23 septembre 1988
Original: anglais

Origine: Document DL/36(Rév.1)
Source: Document DL/36(Rev.1)
Origen: Documento DL/36(Rev.1)

COMMISSION 6
COMMITTEE 6
COMISION 6

NOTE DU PRESIDENT DU GROUPE DE TRAVAIL DE LA PLENIERE
AU PRESIDENT DE LA COMMISSION 6

Suite à l'examen du Document DT/39, le Groupe de travail de la plénière a révisé cette Résolution [COM6/2]. Elle est soumise à la Commission 6 pour toute mesure appropriée.

Le Président du Groupe de travail
de la plénière
R. RYVOLA

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

Based on the consideration of Document DT/39, the Working Group of the Plenary has revised this Resolution [COM6/2]. It is submitted to Committee 6 for appropriate action.

R. RYVOLA
Chairman of the Working Group of the Plenary

NOTA DEL PRESIDENTE DEL GRUPO DE TRABAJO DE LA
PLENARIA AL PRESIDENTE DE LA COMISION 6

Sobre la base del examen del Documento DT/39, el Grupo de Trabajo de la Plenaria ha revisado esta Resolución [COM6/2]. Se presenta a la Comisión 6 a los efectos oportunos.

R. RYVOLA
Presidente del Grupo de Trabajo
de la Plenaria

CONF\ORB-295R1C1E.TXS

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

WARC ON THE USE OF THE
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OF SPACE SERVICES UTILIZING IT

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 295(Rev.1)-E
22 September 1988
Original: English

Source: Document DL/36(Rev.1)

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

Based on the consideration of Document DT/39, the Working Group of the Plenary
has revised this Resolution [COM6/2] and submitted it for your consideration.

R. RYVOLA
Chairman of the Working Group of the Plenary

Annex: 1

ANNEX

Draft

RESOLUTION [COM6/2]

**Relating to Inclination Limits of
Space Stations in Geostationary 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 station-keeping fuel on geostationary space stations constitutes a major fraction of in-orbit mass and tends to be the limiting factor of a space station's geostationary in-orbit life;
- b) that north-south station-keeping consumes up to 90% of the total fuel;
- c) that some space stations may be designed or required to operate without north-south station-keeping to preserve fuel or extend in-orbit space station life;
- d) that, in the absence of north-south station-keeping, the orbital inclination of a space station in a geostationary orbit is subject to only moderate annual change, no more than about 0.9°/year, and will never exceed a maximum of about 15°;
- e) that the interference geometry of a space station in inclined geostationary orbits is considerably more complex than otherwise would be the case, and has not been studied in detail;
- f) that, as a consequence, more complex problems may arise in three areas:
 - interference between satellite networks;
 - coordination between earth stations and terrestrial stations; and
 - sharing constraints to limit interference between satellites and terrestrial stations;

recognizing

- 1. that administrations need to be in a position to assess the interference effects of inclined-orbit operation;
- 2. that the use, by any space service, of space stations in inclined geostationary orbits should not place additional regulatory and technical constraints on other services which share the same frequency band(s);

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 295-E
19 September 1988
Original: English

Source: Document DL/36(Rev.1)

COMMITTEE 6

NOTE FROM THE CHAIRMAN OF THE WORKING GROUP OF THE PLENARY
TO THE CHAIRMAN OF COMMITTEE 6

Based on the consideration of Document DT/39, the Working Group of the Plenary has revised this Resolution [COM6/2] and submitted it for your consideration.

R. RYVOLA
Chairman of the Working Group of the Plenary

Annex: 1

ANNEX

Draft

RESOLUTION [COM6/2]

**Relating to Inclination Limits of Orbits of
Geostationary 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 station-keeping fuel on geostationary space stations constitutes a major fraction of in-orbit mass and tends to be the limiting factor of a space station's geostationary in-orbit life;
- b) that north-south station-keeping consumes up to 90% of the total fuel;
- c) that some space stations may be designed or required to operate without north-south station-keeping to preserve fuel or extend in-orbit space station life;
- d) that, in the absence of north-south station-keeping, the orbital inclination of a geostationary space station is subject to only moderate annual change, no more than about 0.9°/year, and will never exceed a maximum of about 15°;
- e) that the interference geometry of inclined geostationary space stations is considerably more complex than otherwise would be the case, and has not been studied in detail;
- f) that, as a consequence, more complex problems may arise in three areas:
 - interference between satellite networks;
 - coordination between earth stations and terrestrial stations; and
 - sharing constraints to limit interference between satellites and terrestrial stations;

recognizing

- 1. that, administrations need to be in a position to assess the interference effects of inclined-orbit operation;
- 2. that the use, by any space service, of geostationary space stations in inclined orbits should not place additional regulatory constraints on other services which share the same frequency band(s);
- 3. that an administration whose services may be affected by another administration's operation of or with a geostationary space station in an inclined orbit should accede to a request for coordination;

4. that from the above there is a need to clarify the Radio Regulations concerning the coordination of networks, using geostationary space stations in inclined orbits, with other services using the same frequency bands;
5. that the IFRB lacking relevant rules in the Radio Regulations, considers that a geostationary satellite is any geosynchronous satellite having an inclination excursion equal to or less than 5°;
6. that the CCIR has examined the technical aspects including those related to interference and coordination only in a very preliminary fashion;

resolves

to invite the CCIR to continue its study of the technical aspects of inclined-orbit operation of geostationary space stations, with emphasis on the development of appropriate interference prediction and evaluation methods, with a view to determining the need for orbital inclination limits.

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 296-E
19 September 1988
Original: English

WORKING GROUP 6-B

FOURTH REPORT BY THE CHAIRMAN OF SUB-WORKING GROUP 6-B-1 TO WORKING GROUP 6-B

During its tenth, eleventh and twelfth meetings on 16, 17, and 19 September, respectively, the Sub-Working Group reached conclusions in respect of the provisions of Article 11, Section II as presented in the annex.

With respect to MOD 1078 (and MOD 1044 as presented in the first report) two administrations were of the view that the Board, in the case of a delay beyond the specified time limit for the publication, should also inform administrations of the expected date of publication.

Some provisions were discussed in great detail, and there was a fair consensus regarding the matters of principle. However, it was thought advisable that the amendments which were agreed during the twelfth meeting should be submitted in written form before the final adoption. This concerns Nos. MOD 1087, ADD 1087A, ADD 1091A, ADD 1098A and MOD 1101, which are presented separately in Document DL/51.

The Sub-Working Group also commenced its examination of proposals relating to Section III of Article 11. Several opinions were expressed that it might be better for this Conference not to amend the provisions of that Section.

However, the delegate of Canada pointed out that a few of their proposals would still be appropriate to examine, in particular CAN/60/105 relating to the title of Section III; CAN/60/110 on No. ADD 1111A for which there is a similar proposal from Brazil. Finally Canada considered that Nos. 1118.1 and 1119.1 should be aligned to the corresponding provision No. 1084.1 of Section II.

L. SONESSON
Chairman of Sub-Working Group 6-B-1

Annex: 1

ANNEX

NOC 1057 *Commencement of Coordination or Notification Procedures*

- SUP 1058 § 5. In complying with the provisions of Nos. 1049 to 1054, an administration responsible for a planned satellite system shall, if necessary, defer its commencement of the coordination procedure, or, where this is not applicable, the sending of its notices to the Board, by six months after the date of the weekly circular containing the information listed in Appendix 4 on the relevant satellite network. However, in respect of those administrations with which difficulties have been resolved or which have responded favourably, the coordination procedure, where applicable, may be commenced prior to the expiry of the six months mentioned above.
- 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 geostationary-satellite network in accordance with the provisions of No. 1074, including the copy of the request for the 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 geostationary-satellite network for which coordination is not required; or
- ADD 1058D c) the information required for notification of a frequency assignment 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.

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 space station or an associated earth station may specify all or some of the frequency assignments expected to be used by the stations of the satellite network that space station, but thereafter each assignment shall be dealt with individually.

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 this provision or in accordance with Nos. 1488 to 1491. In the latter case, the Board shall inform all administrations by circular telegram.

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 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.

- MOD 1077 b) examine the information received with a view to identifying those administrations whose [services] [assignments] might be affected, in accordance with No. 1060, and inform the administrations concerned telegram;
- MOD 1078 c) publish in the ~~a~~ special section of its weekly circular 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 therefore.
- 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*
- NCC 1082 § 10. An administration with 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 which would be caused to the [service rendered by its stations] [assignments] in respect of which coordination is sought under No. 1060 or caused by these [stations] [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~~ 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 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 the services concerned.

ADD 1085A (3) Affected administrations as well as the administrations seeking coordination shall make all possible mutual efforts to overcome these difficulties through 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 [See DL/51]

ADD 1087 [See DL/51]

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 [See DL/51]

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 ~~between administrations~~ is not possible for any other reason.

MOD 1094 (2) In so doing, the administration shall furnish 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.

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.

NOC 1100 (5) The Board may request additional information which it may require to assess the interference to the services concerned.

MOD 1101 [See DL/51]

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

SUP 1104 *Notification of Frequency Assignments in the Event of Continuing Disagreement*

SUP 1105 § 15. 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 publication of the request for coordination under No. 1078, taking into consideration the provisions of No. 1496.

[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.]

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SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

Document 297-E
19 September 1988
Original: English

Source: Documents DL/40, DL/29 + Corr.1

WORKING GROUP 5-A

THIRD REPORT OF THE CHAIRMAN OF
SUB-WORKING GROUP 5-A-2 TO WORKING GROUP 5-A

The attached texts on Power Control for BSS Feeder Links and Annex 3 of Appendix 30A are submitted for consideration.

T. KOMOTO
Chairman of Sub-Working Group 5-A-2

Attachments: 2

ATTACHMENT 1

Draft

TEXT FOR APPENDIX 30A (ANNEX 3)

POWER CONTROL FOR BSS FEEDER LINKS

Add to paragraph 3.10:

[In Regions 1 and 3 the permitted amount of power control which may be used is to be calculated by the IFRB and notified by circular letter. The method of calculation is shown below.]

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, since the (C/I)_u increases as the interfering feeder-link signal is faded due to rain.

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.

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 equivalent up-link protection margin of any other assignment.

Calculation method

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.

1.2 Calculate the equivalent up-link margin of assignment A in clear-sky 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.

1.3 Introduce for the assignment studied the atmospheric attenuation for 0.1% of the worst month and the corresponding atmospheric depolarization value.

1.4 Recalculate the equivalent up-link margin of assignment A at the least favorable test points, namely:

- for assignment A: the test point used in 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.

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 1.4 above.

1.6 Repeat the operation of 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 1.2 above. Adopt the e.i.r.p. increase in the preceding iteration step.

1.7 Repeat the operations in points 1.2 to 1.6 above, considering the assignments B, C, ...

1.8 Adopt the smallest of the increases in e.i.r.p. found under 1.6 above for the various assignments A, B, C, ...

This value is the final increase in e.i.r.p. allowed for the assignment studied.

2. Propagation model

2.1 For the calculation of atmospheric attenuation for 0.1% of the least favorable month, the ORB-85 model should be used. It shall be assumed that the 0.1% value is 3.3 times the 1% value in dB.

2.2 Atmospheric depolarization shall be calculated, on the basis of attenuation, using the method described in paragraph 6.2.2.17.2 of the Report of the First Session.

3. Variation of power with rain attenuation

The increase in power at any time, as the rain attenuation varies, must not exceed the limit shown in Figure [A].

4. Procedure

4.1 An administration wishing to introduce power control may use the value given in the IFRB circular letter or may confirm the value for a specific up-link site. In this case it shall notify the IFRB and give the feeder-link location and the proposed antenna characteristics, including off-axis performance, for co-polar and cross-polar performance.

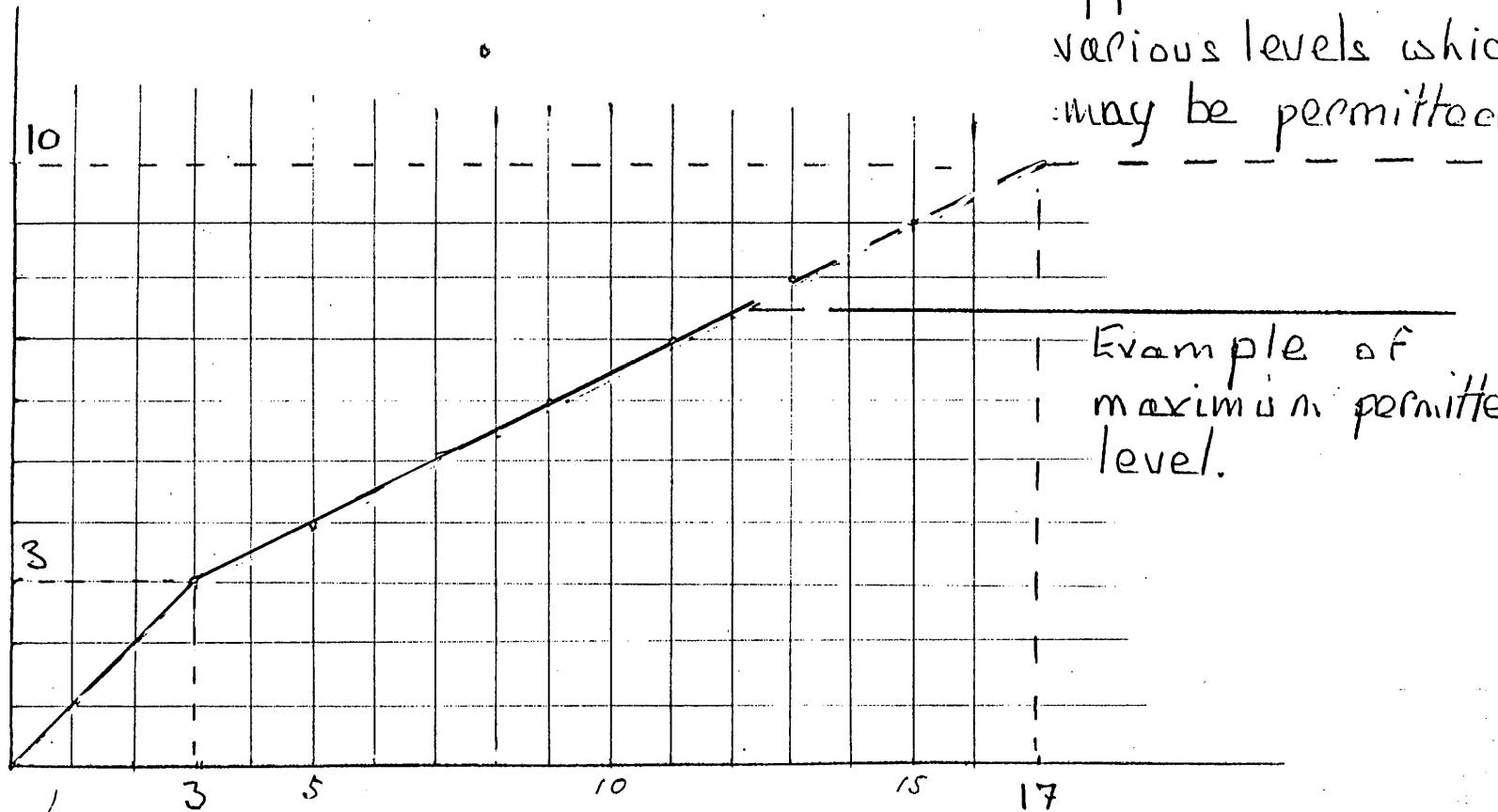
4.2 The IFRB will calculate the theoretical increase in power which may be used without affecting other satellites using the method described above.

4.3 The IFRB will notify the submitting administration the maximum power increase which may be used and will notify those other administrations whose EPM is increased by 0.5 dB.

In any case the permitted increase in e.i.r.p. by means of power control shall not be greater than [10 dB] above that shown in the Plan.

4.4 In the event of a modification to the Plan the IFRB shall recalculate the values of power control and shall notify the administrations affected.

Temporary power increase
depending on the instantaneous
rain attenuation. (dB).



Instantaneous rain attenuation (dB)

Fig[A] Characteristic for uplink power control

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 space 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, respectively¹.

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; furthermore, it was decided to assess the relative contributions of the feeder links and down-links separately.

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.

1.9 *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:

$$M = -10 \log \left(\sum_{i=1}^s 10^{-M_i/10} \right) \quad (\text{dB})$$

where:

M_1 = overall co-channel protection margin, in dB (as defined in 1.8),

M_2, M_3 = overall adjacent channel protection margins for the upper and lower adjacent channels respectively, in dB (as defined in 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 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:

$$A_a = \frac{92.20}{\cos \theta} (0.020 F_o + 0.008 \rho F_w) \quad (\text{dB}) \quad \text{for } \theta < 5^\circ$$

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/m³, with

$\rho = 10 \text{ g/m}^3$ for rain-climatic zones A to K and

$\rho = 20 \text{ g/m}^3$ for rain-climatic zones M to P

For Regions 1 and 3

In the Regions 1 and 3 feeder-link Plan, the loss due to atmospheric absorption is not included.

Figures 1, 2, 3 give the rain climatic zones for Regions 1, 2, 3 respectively.

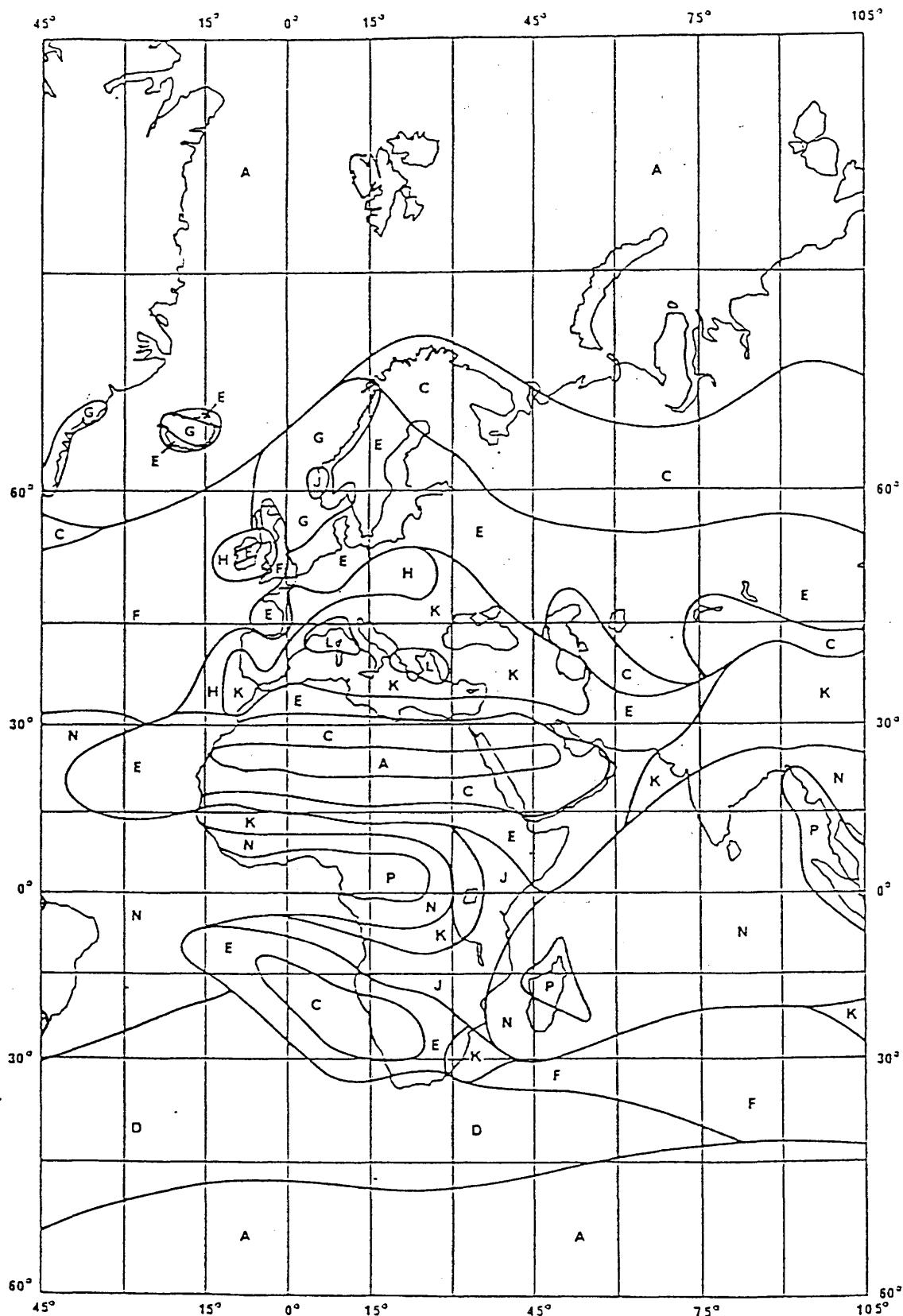


FIGURE 1
Rain climatic zones (Region 1)

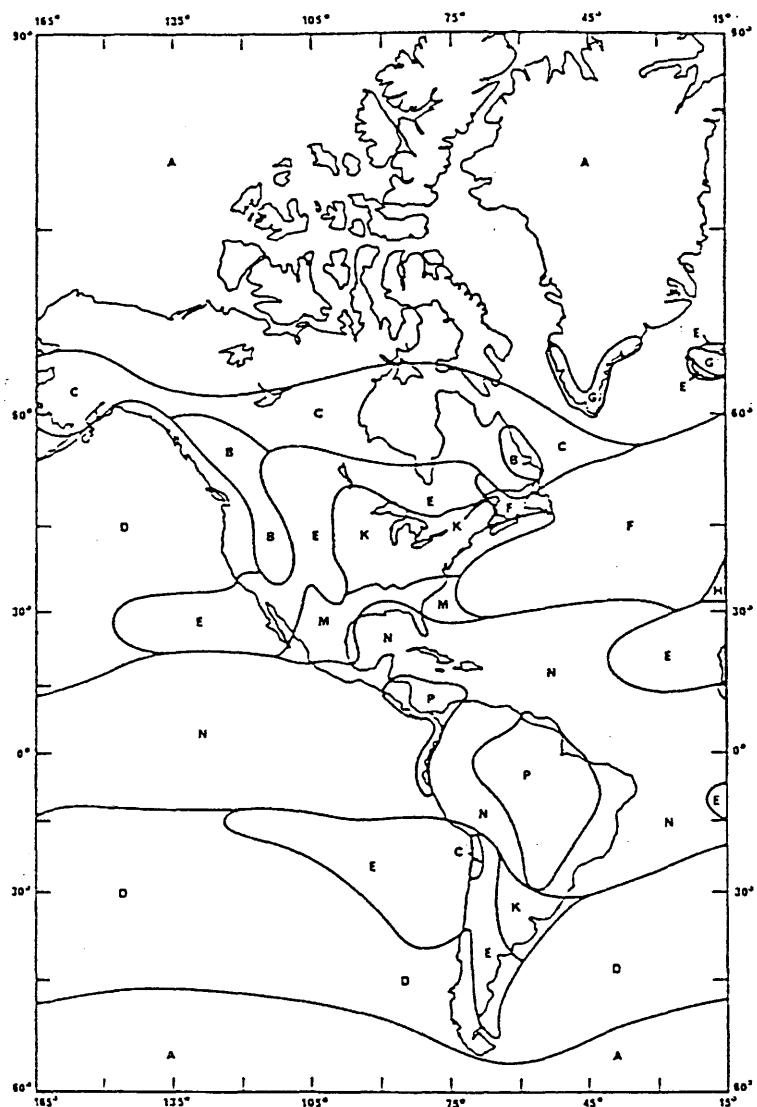


FIGURE 2
Rain climatic zones (Region 2)

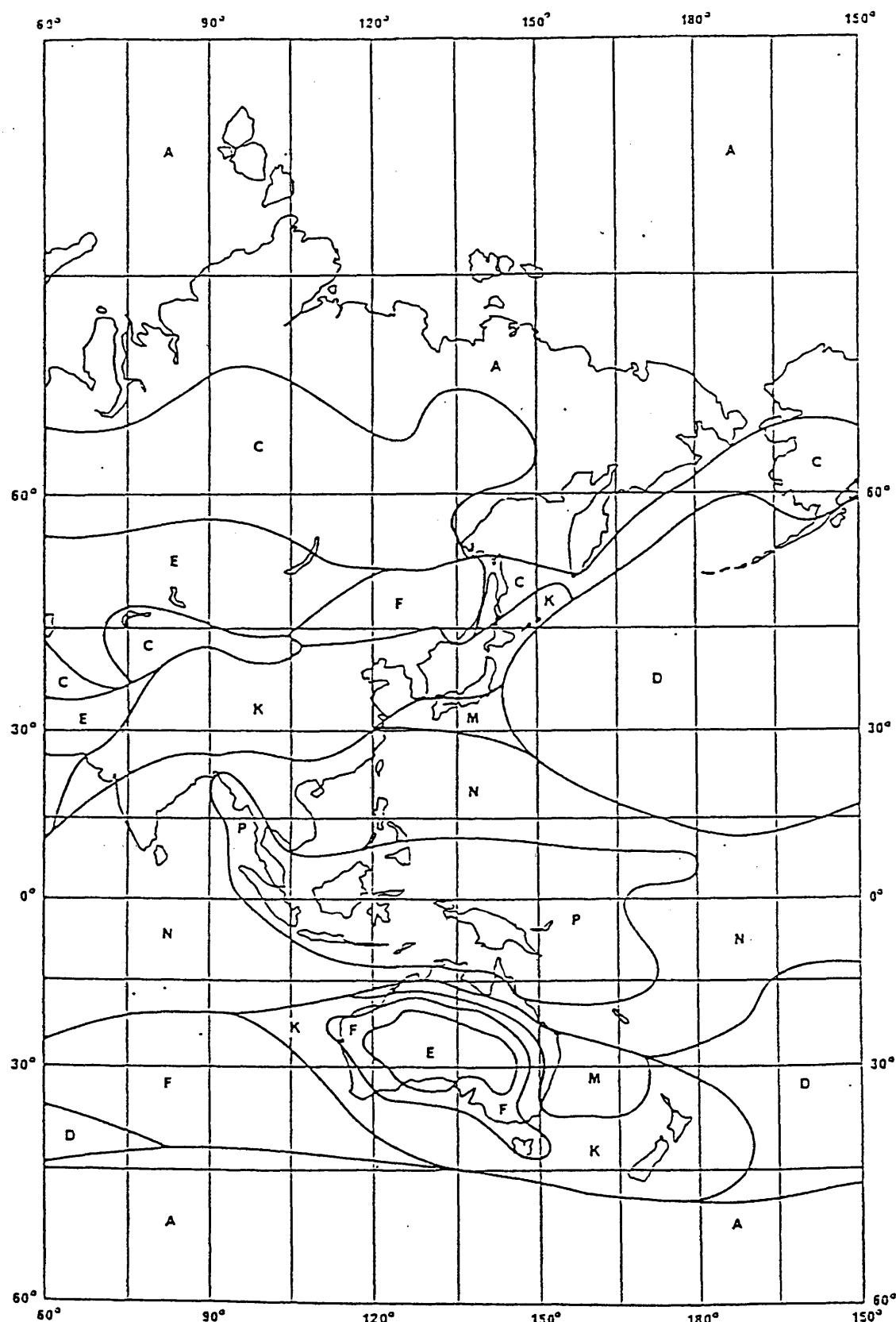


FIGURE 3

Rain climatic zones (Region 3)

2.2. Rain attenuation

The propagation model for feeder links using circularly polarized signals is based on the value of rain attenuation for one per cent of the worst month.

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:

$$h_R = C \cdot h_F$$

where:

$$C = 0.6 \text{ for } 0^\circ \leq \zeta < 20^\circ$$

$$C = 0.6 + 0.02 (\zeta - 20) \text{ for } 20^\circ \leq \zeta < 40^\circ$$

$$C = 1 \text{ for } \zeta \geq 40^\circ$$

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:

$$r_{0.01} = \frac{90}{90 + 4 L_G}$$

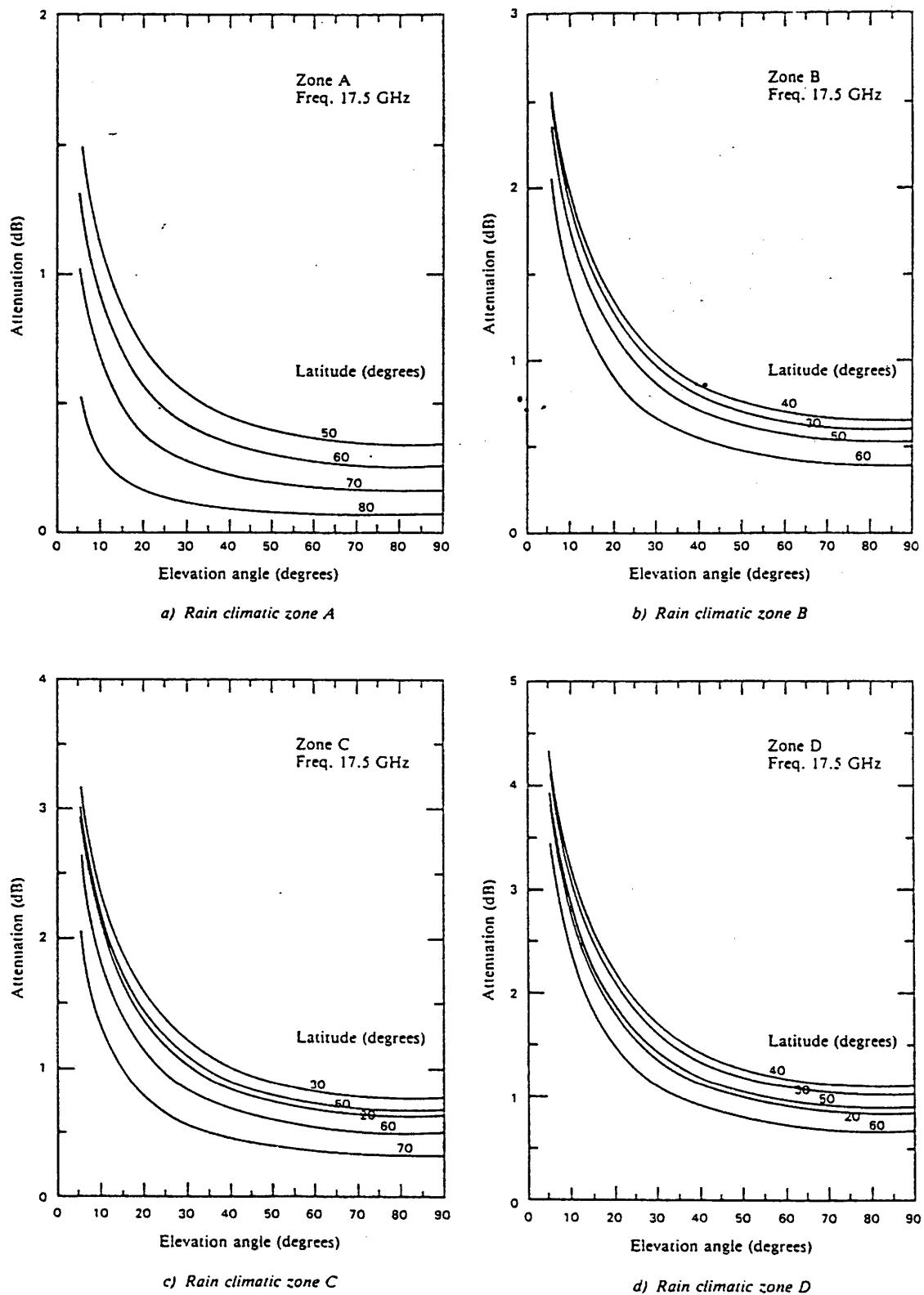


FIGURE 4

Rain attenuation values exceeded for 1% of the worst month (sea level)
for Region 2 rain climatic zones

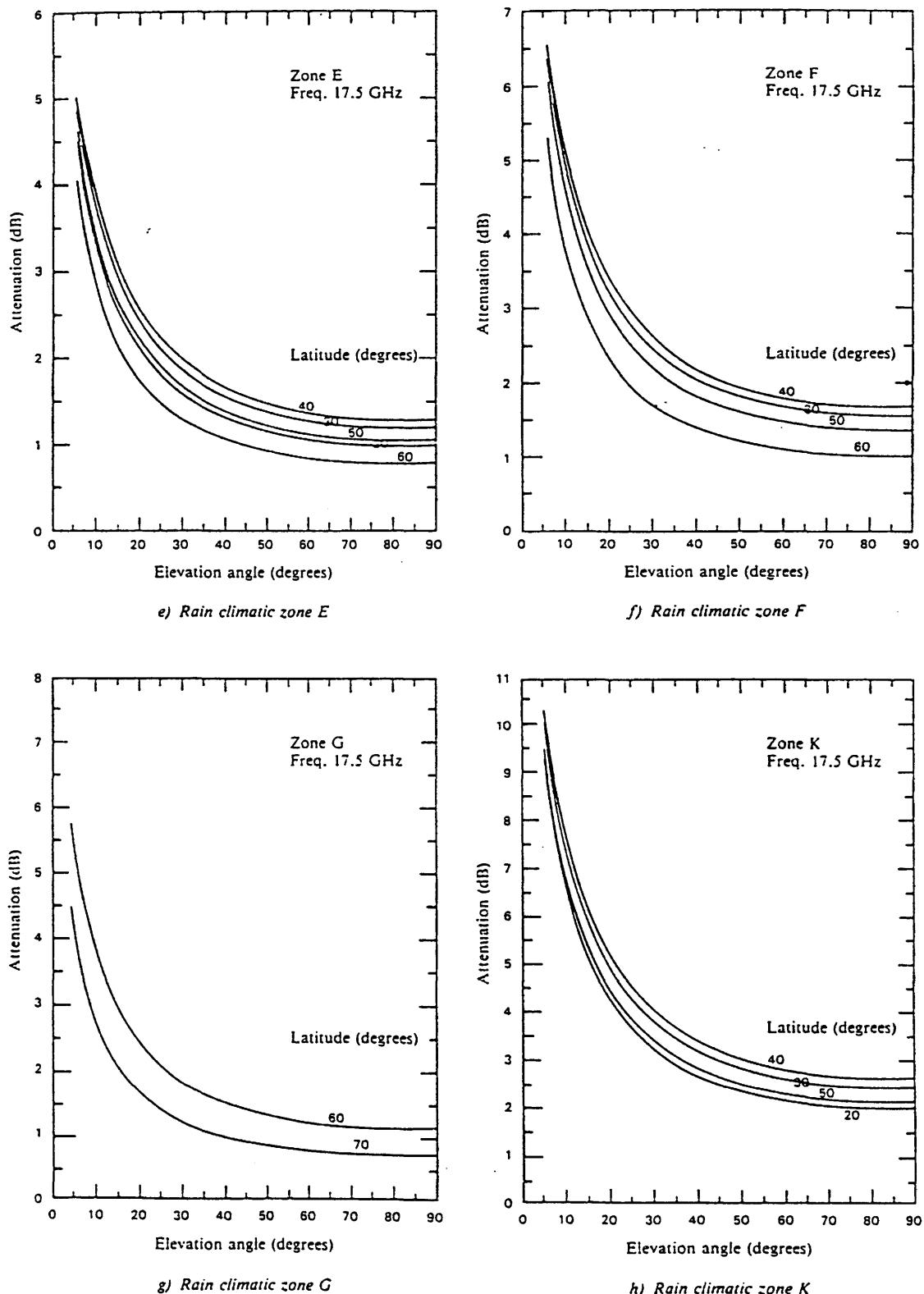


FIGURE 4(cont.)

Rain attenuation values exceeded for 1% of the worst month (sea level)
for Region 2 rain climatic zones

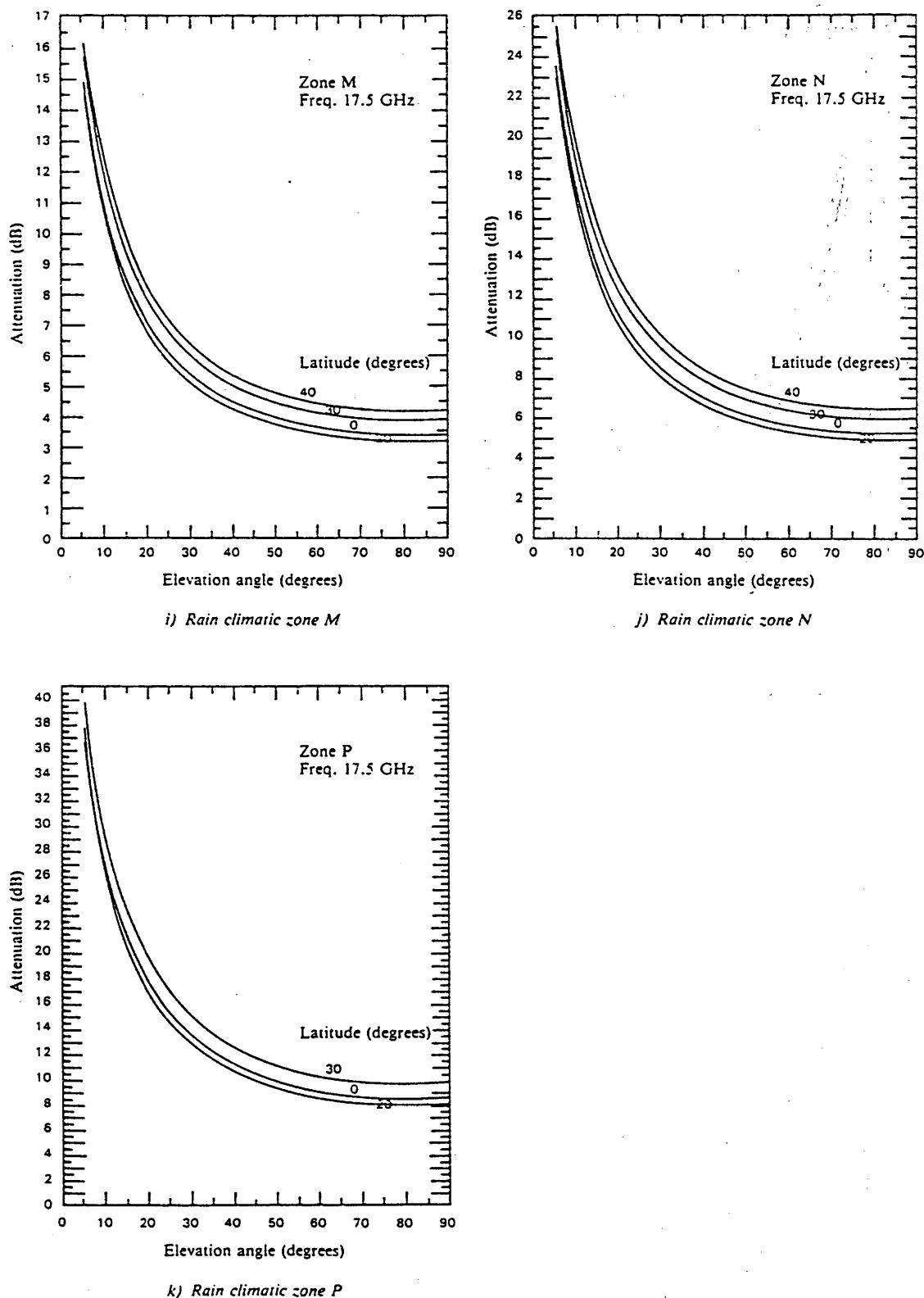


FIGURE 4/(cont.)

*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:

$$\gamma_R = k (R_{0.01})^\alpha \text{ (dB/km)}$$

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:

$$A_{1\%} = 0.223 \gamma_R L_s r_0.01 \text{ (dB) for Regions 1 and 3}$$

$$A_{1\%} = 0.21 \gamma_R L_s r_0.01 \text{ (dB) for Region 2}$$

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:

$$XPD = 30 \log f - 40 \log (\cos \theta) - V \log A_p \text{ (dB) for } 5^\circ \leq \theta \leq 60^\circ$$

where

$$V = 20 \text{ for } 14.5 - 14.8 \text{ GHz}$$

and

$$V = 23 \text{ for } 17.3 - 18.1 \text{ GHz}$$

where

A_p : 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 $\theta = 60^\circ$ 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 90% 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 exceeded for 1% of the worst month on the wanted feeder-link path.

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.

For the interfering feeder-link signal path, clear-sky propagation (i.e. including free space path loss plus atmospheric absorption loss) is assumed in Region 2 as free space propagation (i.e. including free space path loss only) is assumed in Regions 1 and 3.

Regions 1 and 3

3 BASIC TECHNICAL CHARACTERISTICS

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 Region 1 and 17.3 - 17.8 GHz in Region 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 are:

- a) 2 797.82 MHz for BSS channels 1 to 14
- b) 2 529.30 MHz for BSS channels 15 to 28
- c) 2 260.78 MHz for 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 endge 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 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.

3.4 Transmitting antenna

3.4.1 Antenna diameter

The feeder-link Plan is based on an antenna diameter of 5 metres for the band 17.3-18.1 GHz and 6 metres for the band 14.5-14.8 GHz.

The minimum antenna diameter permitted in the Plan is 2.5 metres. However, in this case, the interference should not be greater than that calculated in the Plan.

3.4.2 On-axis gain

The on-axis gain for the 5 m antenna at 17.3-18.1 GHz and for the 6 m antenna at 14.5 to 14.8 GHz is taken as 57 dBi.

3.4.3 Off-axis eirp of transmitting antennas

The co-polar and cross-polar off-axis eirps for planning in Regions 1 and 3 are given in Figure [A]

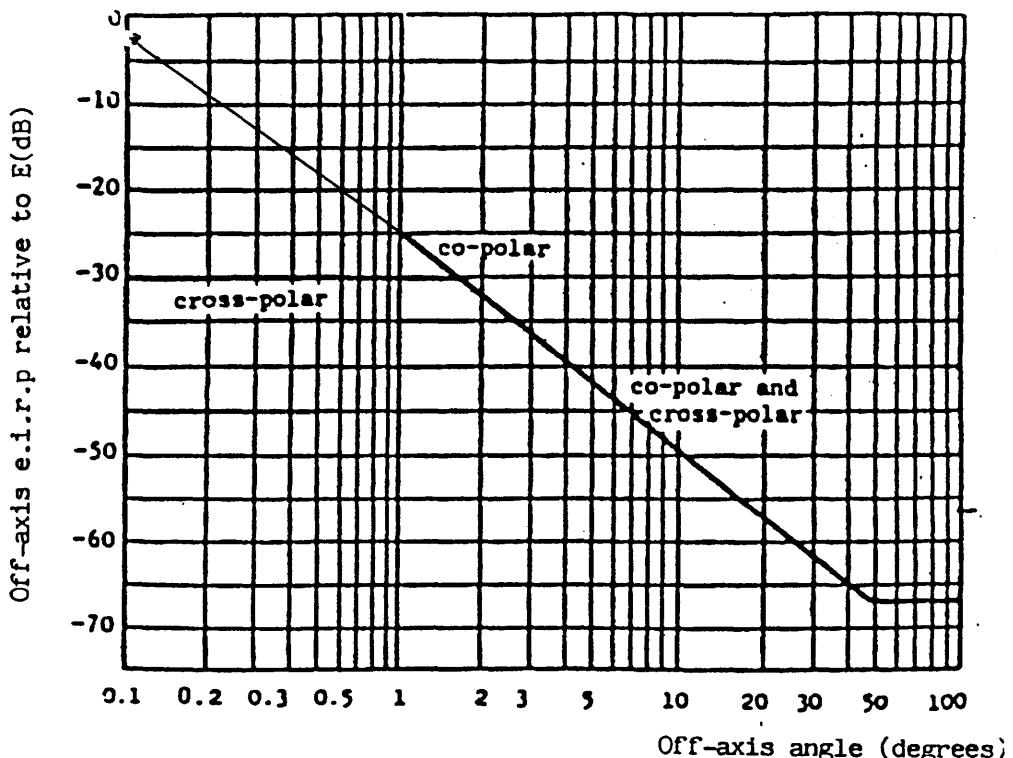


Figure [A]
Earth Station off-axis eirp

Co-Polar Component (dBW):

$E = 67 \text{ dBW}$ for $0^\circ < \theta \leq 0.1^\circ$
 $E = 21 - 20 \log \theta \text{ (dBW)}$ for $0.1^\circ < \theta \leq 0.32^\circ$
 $E = 5.7 - 53.2 \theta^2 \text{ (dBW)}$ for $0.32^\circ < \theta \leq 0.44^\circ$
 $E = 25 - 25 \log \theta \text{ (dBW)}$
for $0.44^\circ < \theta \leq 48^\circ$
 $E = 67 \text{ (dBW)}$ for $\theta > 48^\circ$

Cross-polar component (dBW):

$E = 30 \text{ (dBW)}$ for $0^\circ \leq \theta \leq 1.6^\circ$
 $E = 25 - 25 \log \theta \text{ (dBW)}$
for $1.6^\circ < \theta \leq 48^\circ$
 $E = 67 \text{ (dBW)}$ for $\theta > 48^\circ$
where E (dBW) is the earth station on-axis eirp

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 the Plan.

3.4.4 Pointing accuracy

The Plan has been developed to accommodate a loss in gain due to earth station antenna mis-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 eirp 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 θ_0 is a function of the angle of rotation q between the plane 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

$$G_m(\text{dB}) = 44.44 - 10 \log a - 10 \log b$$

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 an appropriate symbol. 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.

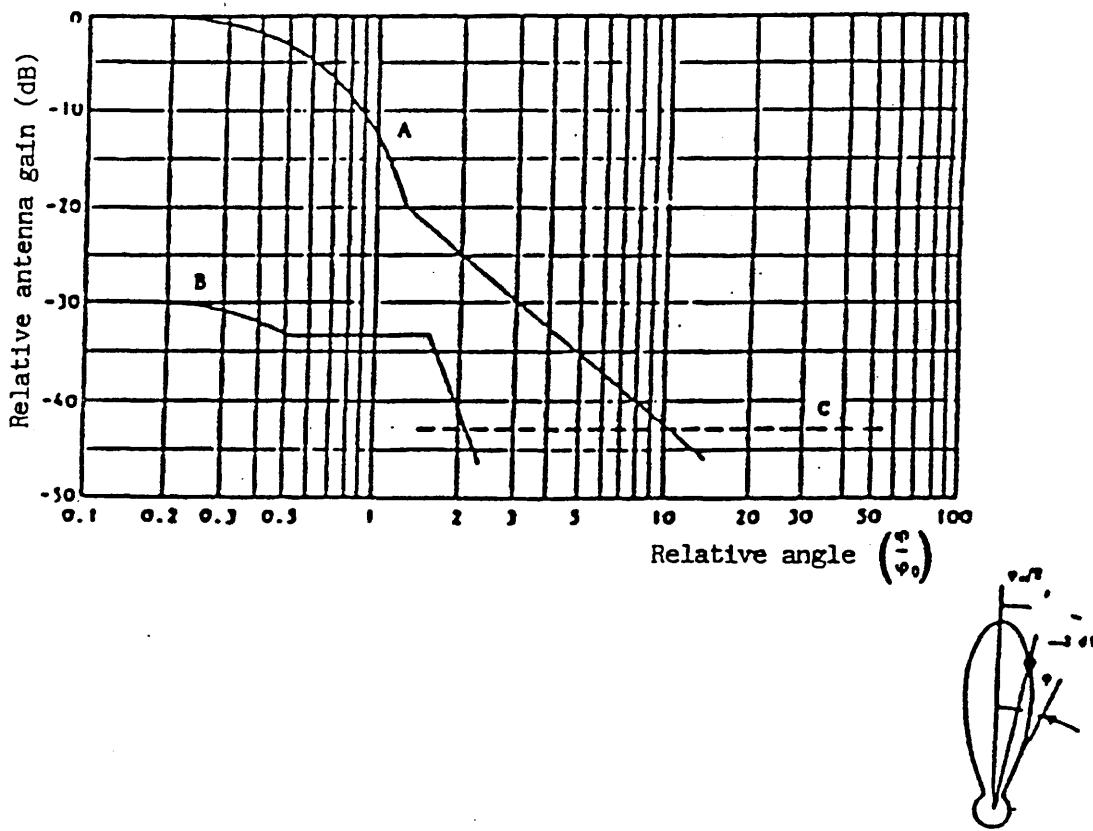


FIGURE [B]

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)

$$G = -12\left(\frac{\varphi}{\varphi_0}\right)^2 \text{ for } 0 \leq \frac{\varphi}{\varphi_0} \leq 1.30$$

$$G = -17.5 - 25 \log\left(\frac{\varphi}{\varphi_0}\right) \text{ for } \frac{\varphi}{\varphi_0} > 1.30$$

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)

$$G = -30 - 12\left(\frac{\varphi}{\varphi_0}\right)^2 \text{ for } 0 \leq \frac{\varphi}{\varphi_0} \leq 0.5$$

$$G = -33 \text{ for } 0.5 < \frac{\varphi}{\varphi_0} \leq 1.67$$

$$G = -40 + 40 \log\left(\frac{\varphi}{\varphi_0} - 1\right) \text{ for } \frac{\varphi}{\varphi_0} > 1.67$$

After intersection with curve C: as curve C

(curve C equals minus the on-axis gain).

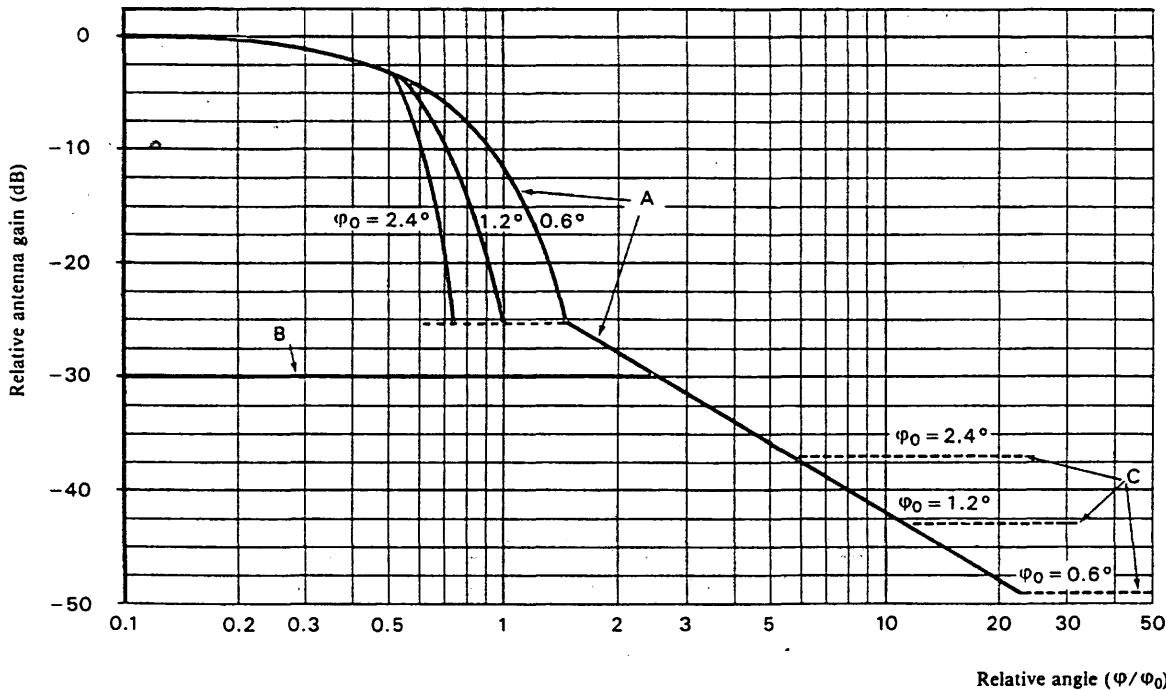


FIGURE [C]

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)

$$\begin{aligned} -12(\varphi/\varphi_0)^2 &\quad \text{for } 0 \leq \varphi/\varphi_0 \leq 0.5 \\ -33.33\varphi_0^2(\varphi/\varphi_0 - x)^2 &\quad \text{for } 0.5 < \varphi/\varphi_0 \leq \frac{0.87}{\varphi_0} + x \\ -25.23 &\quad \text{for } \frac{0.87}{\varphi_0} + x < \varphi/\varphi_0 \leq 1.413 \\ -\left(22 + 20 \log(\varphi/\varphi_0)\right) &\quad \text{for } \frac{\varphi}{\varphi_0} > 1.413 \end{aligned}$$

after intersection with Curve C: as Curve C

Curve B: Cross-polar component (dB relative to main beam gain)

$$-30 \quad \text{for } 0 \leq \varphi/\varphi_0 < 2.51$$

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 $\pm 1^\circ$; this latter limit is not necessary for beams of circular cross-section using circular polarisation.

3.7 System noise temperature

The values of the satellite system noise temperature which are generally used in the Plan are 1800K for 17 GHz and 1500K 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 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

The permitted amount of power control which may be used is to be calculated by the IFRB and notified by circular letter. The method of calculation is shown below.

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, since the (C/I)_u increases as the interfering feeder-link signal is faded due to rain.

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.

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 equivalent up-link protection margin of any other assignment.

Calculation method

1.1 Compile a list of all assignments (A, B, C,...) liable to suffer interference from the assignment studied. [It is assumed that we can confine ourselves to the assignments of the same orbital position as the assignment studied and the two adjacent positions.]

1.2 Calculate the equivalent up-link margin of assignment A in clear-sky 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.

1.3 Introduce for the assignment studied the atmospheric attenuation for 0.1% of the worst month and the corresponding atmospheric depolarization value.

1.4 Recalculate the equivalent up-link margin of assignment A at the least favorable test points, namely:

- for assignment A: the test point used in 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.

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 4 above.

1.6 Repeat the operation of 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 2 above. Adopt the e.i.r.p. increase in the preceding iteration step.

1.7 Repeat the operations in points 2 to 6 above, considering the assignments B, C, ...

1.8 Adopt the smallest of the increases in e.i.r.p. found under 6 above for the various assignments A, B, C, ...

This value is the final increase in e.i.r.p. allowed for the assignment studied.

2. Propagation model

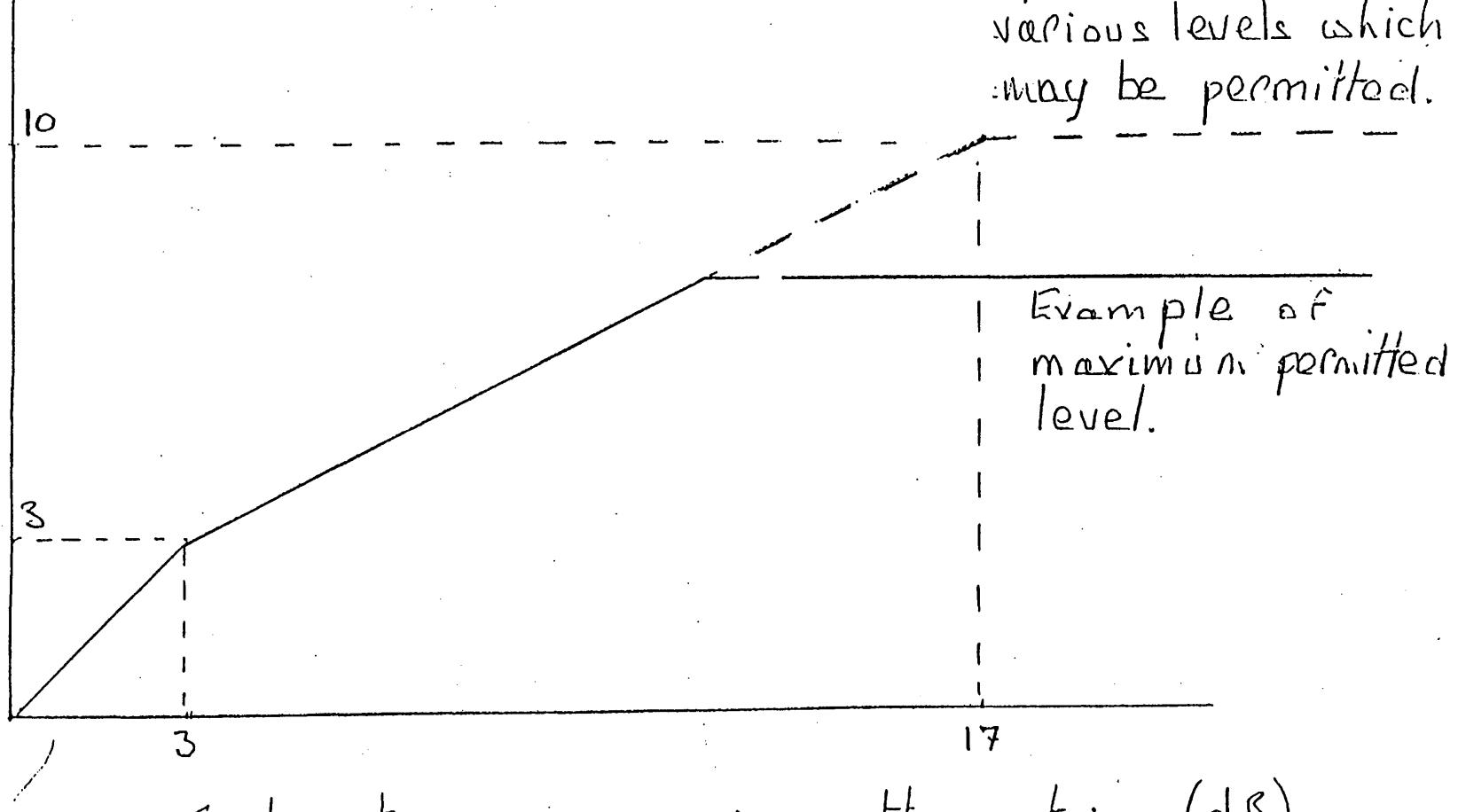
2.1 For the calculation of atmospheric attenuation for 0.1% of the least favorable month, the ORB-85 model should be used. It shall be assumed that the 0.1% value is 3.3 times the 1% value in dB.

2.2 Atmospheric depolarization shall be calculated, on the basis of attenuation, using the method described in paragraph 6.2.2.17.2 of the Report of the First Session.

3. Variation of power with rain attenuation

The increase in power at any time, as the rain attenuation varies, must not exceed the limit shown in Figure [A].

Temporary power increase
depending on the instantaneous
rain attenuation. (dB).



Instantaneous rain attenuation (dB)

Fig A characteristic for uplink power control

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 0.5¹ dB relative to that calculated in the feeder-link Plan.

3.12 bis 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° permitted.

Region 2

3.13bis Basic technical parameters

No change.

Note - 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 298-E
19 September 1988
Original: English

WORKING GROUP 5-A

SECOND REPORT OF THE SUB-WORKING GROUP 5-A-1 TO THE WORKING GROUP 5-A

Sub-Working Group 5-A-1 met four times after the last report. The following arguments have been discussed.

1. Guidelines for the up-link Plan

Whenever it is possible the Plan should be done on the principle of linear translation. The methods for solving incompatibilities in paragraph 6.2.2.21 of the Report to the Second Session will be taken into consideration. In the cases where it is impossible to solve incompatibilities by other means some adjustment of the feeder-link channel assignment can be adopted according to paragraph 6.2.2.21 of the Report to the Second Session.

Anyway, interferences to the FSS in bands that fall in the range of the second harmonic of the local oscillator as well as interferences on the down-link channels are to be avoided when a frequency other than 5.6 GHz is used for the frequency translation.

In the ad hoc Group it was agreed that Mr. Salkeld (United Kingdom) will present a DL document on this subject for discussion in the Sub-Working Group 5-A-1.

In any case any departure from the principle of linear translation will be adopted only when strictly necessary.

2. Location of the test points

The test points have to be inside the service area of the administration concerned. Test points outside this area can be accepted only subject to the agreements between the administrations concerned.

3. Methods of evaluating the Plan

For evaluating the IFRB analysis of the Plan the following have been agreed:

- A plan should be acceptable when:
 - the 1977 BSS Plan down-link margins are positive and the OEPMs are positive as a consequence of the feeder-link margins (that in some cases could be slightly negative);
 - the 1977 BSS Plan down-link margins are negative and the OEPMs are not worse than the 1977 BSS Plan as a consequence of the feeder-link margins.

- A plan should not be acceptable when:
 - the 1977 BSS Plan down-link margins are negative and the OEPMs are worse than the 1977 BSS Plan as a consequence of the feeder-link margins;
 - in any case the figure of the OEPM should be taken into account for judging the Plan.

The above does not apply to the case in which the negative margin arises from the fact that the administration concerned has an antenna beam on board the satellite greater than that for the down-link or when some test points are far away from the up-link service area.

4. Analysis of the next draft of the Plan

The analysis will be done by the IFRB in clear sky conditions and without taking into account power control. The Plan analysis will include calculations of C/N in free space conditions as well as the rain attenuation for 1% of the worst month.

5. Requirements from administrations

Whenever it is possible the request by the administration will be satisfied. A question of principle has been raised for what concerns those administrations which ask for more channels on the up-link with respect to the number of channels that they have on the down-link.

Agreement has been reached on this point in the way that these requests should be rejected unless there are technical reasons or other relevant reasons. The special requirements presented before the Conference will be considered and satisfied whenever it is possible.

The ad hoc Group however will work only to solve technical problems and to produce a plan technically acceptable.

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

INTERNATIONAL TELECOMMUNICATION UNION

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Document 299-E
30 September 1988
Original: English

COMMITTEE 4

SUMMARY RECORD
OF THE
ELEVENTH MEETING OF COMMITTEE 4
(ALLOTMENT PLANNING AND ASSOCIATED PROCEDURES)

Wednesday, 21 September 1988, at 1405 hrs

Chairman: Mr. S. PINHEIRO (Brazil)

<u>Subjects discussed:</u>	<u>Documents</u>
1. Predetermined arc (continued)	DT/64(Rev.1)
2. Subjects related to requirements	253, 258, 265
3. Subjects related to procedures for subregional systems	235, 266
4. Draft Plan	
- 7-1-1-4	306
- 6-1-1-4	307

1. Predetermined arc (continued) (Document DT/64(Rev.1))

1.1 The Chairman introduced Document DT/64(Rev.1), drawing attention to paragraphs d) and e), where the document differed from Document DT/64. He noted that paragraph e) should refer to "paragraph 3.3.4.1 of the Report to the Second Session".

1.2 The delegate of Tanzania, while generally supporting the proposals contained in Document DT/64(Rev.1), questioned whether, in adopting a predetermined arc (PDA) approach, it was possible to ensure that allotment priorities were unaffected, to implement subregional systems without sacrificing national allotments, and to implement subregional systems without other coordination procedures.

1.3 The Chairman said that paragraph d) met the first two concerns by guaranteeing an orbital position within a predetermined arc. The PDA approach would not increase the need for coordination and might, in some circumstances, reduce it.

1.4 The delegate of Japan disagreed with the statement made by Mr. Bellchambers (IFRB) at an earlier meeting; in his opinion the software would be able to take account of service arcs, such as defined by the predetermined arc. Referring to concerns expressed by various administrations regarding changes to orbital positions, he pointed out that protection was guaranteed by the constraint $C/I \geq 26$ dB.

1.5 Mr. Bellchambers (IFRB) said that the purpose of his earlier comments had been to draw attention to the complexity of procedures required in moving to progressive reduction, not just in reduction of the predetermined arc, but with respect to the technical parameters. He noted a problem arising from the fact that the only criteria in the extent that the position could be moved were to be a single coverage and $C/I \geq 26$ dB. If that were so, there seemed to be no purpose in building in geographical constraints or orbital arcs, since they could not be taken into account.

1.6 In reply to the delegate of Iraq, the Chairman said that C/I would not be reduced below 26 dB, except with the agreement of administrations.

1.7 The delegate of the USSR supported the PDA approach, as set out in the document, but considered that outstanding questions should be dealt with in Working Groups.

1.8 The delegate of France welcomed the greater flexibility provided by the PDA approach but said that he would not take a definitive position on the approach until all the details had been examined.

1.9 The delegate of Indonesia supported the PDA approach since it provided the flexibility required for the implementation of subregional systems. He recalled the agreement that had been reached that subregional systems would be taken from national allotments. The approach presented in the document was the best of the various options considered and it should be accepted in principle, leaving details to be worked out later. In particular, the level of 26 dB might be reduced if a subregional system could provide good service with a lower level.

1.10 The delegate of the Federal Republic of Germany in general welcomed the PDA approach set out in the document. Among the details to be considered were the minimal amount of orbital arc, referred to in paragraph c) of the document, the width of the predetermined arc and another, as yet unconsidered, concept of predetermined arc.

1.11 The Chairman confirmed that the subject would be discussed in Working Group 4-C.

1.12 The Chairman of the Conference recalled that the idea of the predetermined arc stemmed from the First Session, as mentioned in paragraph 3.3.4.5 of the Report to the Second Session. Although various concepts of predetermined arc had been discussed in the intersessional period and a recent proposal had been made by Japan, the fact was that the draft plans produced by the IFRB had been established on the basis of fixed positions, without predetermined arc. The adoption of such a plan would mean that orbital positions were fixed and that allotments would be represented by frequencies. The aim of the Committee was to attach some flexibility to each orbital position, while guaranteeing the allotments in the Plan. A predetermined arc was, in reality, a postdetermined arc with arbitrarily determined dimensions and, from a practical point of view, only the fixed position given in the Plan was guaranteed. At the present stage of work, no other solutions existed. Serious consideration should therefore be given to the proposals presented in the document by the Chairman of Committee 4.

1.13 The delegate of Canada said that it was important to take geographical requirements into account and he welcomed the statement in paragraph b) of the document that they would be considered. That it was possible to take geographical requirements into account was shown by draft Plan 6-1-1-4. He suggested that the predetermined arc associated with an allotment be specified in columns 13 and 14 of the draft plans, giving service arc limits. The question of the predetermined arc associated with an allotment should be resolved before attempting to deal with assignments.

1.14 The delegate of Uruguay supported the flexibility introduced by the PDA approach, on the understanding that specific details would be settled later. He questioned whether the Plan would continue to be dynamic in terms of solving incompatibilities between Parts A and B.

1.15 The Chairman confirmed that the Plan would remain dynamic in order to accommodate changing circumstances, such as a new Member of the Union.

1.16 The delegate of the Côte d'Ivoire asked for clarification of the position of national allotments when such allotments were given up in favour of a subregional system. He referred, in particular, to the case of one country wishing to withdraw from a subregional system.

1.17 The Chairman of Working Group 4-B explained that although the reduction of the predetermined arc of a subregional system would affect the predetermined arcs of the countries involved, if the subregional system were disbanded, then the associated constraints imposed on participating countries would be removed. The question of one country wishing to withdraw from a subregional system would have to be addressed from a legal standpoint.

1.18 The Chairman added that he had not intended to follow the Japanese proposal exactly. In any event, there was no good reason why national allotments should be necessarily suspended.

1.19 The Chairman of Working Group 4-C said that the Working Group had completed its work on procedures for combining the allotments for subregional systems earlier in the day and its decisions were related to the question raised by the Côte d'Ivoire. The Chairman had been correct in saying that the allotment of a participant in a subregional system would not necessarily have to be suspended if it was compatible and could be used without causing additional interference over and above what was allowed for in the additional allotment.

If those conditions were met, the allotment would still be available for the administration concerned to use nationally, and that provision was contained in the text of Document 239(Rev.1) shortly to be re-issued as Rev.2. The other aspect was the situation which prevailed when an administration withdrew from a subregional system; such a withdrawal had been provided for by minimizing any additional burdens on the administration concerned and trying to make as much provision as possible for that administration to establish its own system. At the present stage, therefore, and without going into details, he did not foresee any difficulties or conflicts between the approach described in Document DT/64(Rev.1) and that already adopted in Document 239(Rev.1).

1.20 The delegate of China expressed appreciation for the efforts of the Chairman to ensure flexibility. However, the document only stated that a predetermined arc would be associated with each allotment and he wondered whether the concept of the PDA would also apply to existing systems. If it did, it would affect the flexibility of the Allotment Plan.

1.21 The Chairman said that that question was not a simple one. The difference between Parts A and B of the Plan was that probably all the allotments in Part A would have a guaranteed C/I \geq 26 dB but the idea of applying that to Part B could not be discounted. He had not pursued that aspect in depth and some thought should undoubtedly be given to it.

1.22 The delegate of Mexico said that his Delegation's doubts were similar to those of China. Sub-paragraph e) was basically concerned with what could be done during the Conference and what was to happen after it. If compatibility was not achieved during the Conference, there might well be some conflict between the factors considered in Working Group 4-C, particularly in view of the analysis of Document DT/55. Paragraph e) should contain provisions in a separate paragraph to cover such difficulties.

1.23 The delegate of Singapore said that the comments made by the Chairman of Working Group 4-C had helped to clarify some of his Delegation's concerns about the treatment of subregional systems in Document DT/64(Rev.1). He was now satisfied that the general concept would provide adequate flexibility in establishing the Plan, although many details would still have to be worked out in the Working Groups.

1.24 The delegate of Senegal said that his Delegation sought clarification on the second indent of paragraph e) and its relation to paragraph 3.3.4.1 of the Report to the Second Session, and of the meaning of the words "an allotment specifically provided for in the Plan" in the fourth indent. He also wondered whether the angle of elevation should be taken into account along with the C/I ratio. As far as the additional use of frequency bands was concerned, the access and positioning problems that might occur for some administrations wishing to convert their allotments to assignments should be taken into account, given the limitations of the PDA.

1.25 The Chairman replied that the elevation angle had been taken into account under paragraphs a) and b). The question concerning the second indent of paragraph e) was similar to that raised by the Côte d'Ivoire and he would try and put forward a proposal to meet those concerns later on.

1.26 The Secretary-General said that there appeared to be varying degrees of comprehension about some of the terms being used in the document. The delegate of Senegal had raised queries concerning paragraph e), the first being related to subregional systems as provided for in paragraph 3.3.4.1 of the Report to the Second Session. He had already raised the question of what was intended by the term "subregional systems" in Working Group 6-A. Some delegates undoubtedly had in mind restricted multi-administration systems, not systems dedicated

specially to the use of assignments intended for national communication needs. Paragraph 3.3.4.1 was very clear, yet the confusion had begun at the First Session. The question at issue however was whether there was the capacity in the extended bands to meet all the new factors arising. There was doubt about that, and consequently doubt as to whether access could be guaranteed. The last indent of paragraph e) referred to a modification in relation to the implementation of an administration's guaranteed access, but it was also linked to another question emerging in the Conference, namely that of additional uses or requirements, and he wondered how all those requirements could be accommodated within something intended at the outset to provide guaranteed access for domestic communication needs. Each additional step would place further constraints not only on the Plan but also on the compatibility situation with existing systems which the Conference had decided should be given equal status.

1.27 The Chairman of Working Group 4-B said that the Report to the Second Session was not absolutely clear on the subject of subregional systems: there was some definition based on adjacent territories, but his Administration had wondered what subregional needs or requirements meant, how an administration with a system covering other territories where other systems were operated would be defined or considered, and whether, for example, two administrations whose territories were not adjacent but which had communications between them could also be described as having a subregional system. When the limits of the Allotment Plan were known, the concept of subregional systems would have to be considered and specific decisions taken.

1.28 The delegate of Jordan said that as complete coverage and reasonable elevation angle were related, it should be possible to guarantee a PDA within a service arc for each administration. If the Committee so agreed, paragraph b) should be reworded to reflect that position.

1.29 The delegate of India said that in principle his Delegation supported the document as being one step towards achieving what had been agreed at the First Session. However, it had some problems with paragraph c) because from a practical and economic point of view it would have some impact on operational systems. However, that might best be discussed in detail in Working Group 4-C.

1.30 The delegate of the United States of America said that to meet the concerns of the delegate of Jordan and others concerning the PDA, the words "corresponding particular geographical requirement utilized in the development of the Plan" might be replaced by "corresponding national and special requirements" in paragraph b). In that way the PDA would be determined according to the results of the Plan currently being worked upon, and it would not be outside the service arc listed in the draft Plan. Working Group 4-B-1 would then produce a Recommendation concerning the necessary limits of the predetermined arc. Turning to paragraph e), he wondered whether it had been the Chairman's intention in placing the four indents at the end in his reading, that they should be considered as examples and that a comprehensive list of those conditions would then be provided in the associated regulatory procedures.

1.31 The Chairman replied that his intention had been to have a complete list of the cases where the concept of affected administrations would apply. However in view of the comments of a number of delegations including Mexico, Senegal, Côte d'Ivoire and the United States of America, he might need to review that paragraph. With regard to the question raised by the delegate of Jordan, he would prefer the Committee to endorse the idea that the PDA would cover both what was in a) and the particular requirements related to the geographical situations used to develop the Plan.

1.32 The delegate of the United States of America said that his Delegation had consistently supported the concept of PDA and the ensuing flexibility in the Plan. The Japanese proposal was interesting in that it could be applied to the final Plan and provided for flexibility in the positioning of allotments. To provide the maximum flexibility in the final Plan, his Delegation proposed that the Committee should leave open the possibility, for Working Group 4-B and Sub-Working Group 4-B-1, to consider all the available techniques that would provide flexibility in developing the Plan. The approach in Document DT/64(Rev.1) appeared to offer flexibility once the Plan was developed and that warranted consideration in the development of the Allotment Plan.

1.33 The delegate of Ethiopia said that he was not sure whether the idea behind Document DT/64(Rev.1) could be incorporated into the software available to the Conference: the comments made by the Chairman and the Board the previous day and at the present meeting appeared to confirm that. Working Group 4-C had made a distinction between members of a subregional system and others, but that distinction did not appear in the second indent of paragraph e). The basic idea in the document was presumably to enable subregional systems to be brought into use at a later date. If that was so, he wondered if it would not be possible to include in the Plan a minimum number of subregional systems, for example one per continent, at the end of the present Conference.

1.34 The delegate of Mauritania said that as he understood it, the flexibility of the Plan obtained by the PDA would be very one-sided, and left a number of concerns unsatisfied, particularly with regard to existing systems.

1.35 The delegate of Pakistan recalled that the previous day his Delegation had pointed out that the concept of PDA provided greater advantages both in terms of flexibility and choice of orbital positions. However, countries implementing their systems at a later stage would find their orbital positions occupied by other administrations. His Delegation therefore supported the United States' suggestion that other concepts of PDA should be examined and a final decision be taken on the merits and demerits of each.

1.36 The Chairman, summing up, said that the intention of the document had been to provide a basis for the drafting of procedures in Working Group 4-C, and, as had generally been acknowledged, it was impossible to cover all possibilities and details. Sub-Working Group 4-B-1 could still consider the possibility of using other tools apart from the programme already running in the ITU computer. It was already using the manual process of adjustment which had produced a successful Plan in Document 307, and should retain those other possibilities if a better Plan could thereby be obtained. The ideas put forward for rewording paragraph b) were sound and a Rev.2 might be issued embodying those ideas and his own conclusions.

Turning to paragraph e), he proposed that the words in brackets in the second indent be deleted and that Working Group 4-C be asked to define subregional systems. He further proposed that, to meet the concerns of Mexico, China and others, the third indent should be deleted and Working Group 4-C also be asked to consider that problem, together with the question raised by China concerning the existing systems. Furthermore, if Working Group 4-C, in the course of its consultations, discovered any aspect which had not been taken into account in Document DT/64(Rev.1) then that, too, should be addressed. The technical annexes would cover many aspects, such as the definition of an affected administration. The comments made concerning paragraph c) and the concerns expressed about the flexibility of the Plan and the economical and operational aspects could also be borne in mind by Working Group 4-C. Since no administration had actually spoken against the principle established in the document he took it that the Committee accepted that principle and his conclusions.

1.37 The delegate of the United States of America suggested that Working Group 4-C should be advised that any elements of the general philosophy in Document DT/64(Rev.1) applicable in resolving incompatibilities might be used in developing regulatory procedures.

1.38 The delegate of Italy said that he could accept the Chairman's conclusions but felt that the same principle should be valid both for the planning exercise and for the procedures, because the general principles contained in Document DT/64(Rev.1) had not been taken into consideration when the results for the third draft Plan (Document 307) were examined.

1.39 The Chairman said that the conclusions reached in the Committee applied to Working Groups 4-C and 4-B. Any particular aspect which had been overlooked when it came to defining the PDA could be taken into consideration by Working Group 4-C.

1.40 The delegate of Iraq said that since his Delegation had had no reply to the question it had raised about the technical feasibility of the approach set forth in Document DT/64(Rev.1), due to the complexity of the matter, it reserved the right to revert to it at a later stage.

2. Subjects related to requirements (Documents 253, 258 and 265)

2.1 The delegates of Switzerland, Venezuela and Spain, presenting Documents 253, 258 and 265 respectively, pointed out that the proposals contained in those documents had been taken into account in the third draft Plan contained in Document 307.

2.2 The delegate of Oman said that his country had a problem similar to those outlined in Documents 253, 258 and 265 but had not submitted any written proposal in that respect. He therefore requested that during the preparation of the next Plan, the geographical position of his country should be taken into account. The Chairman, noting that a similar problem also existed in relation to Italy, confirmed that he would discuss the matter with the Chairman of Sub-Working Group 4-B-1 in order to see how to take into consideration such cases where countries had not previously submitted special requirements.

3. Subjects related to procedures for subregional systems (Documents 235 and 266)

3.1 The delegate of Côte d'Ivoire, introducing Document 235, underlined the importance of respecting the statement contained in Note 6 on page 74 of the Report of the First Session.

3.2 The delegate of Ecuador, introducing Document 266, said that the proposals made during the meeting in connection with Document DT/64(Rev.1) represented a considerable step forward but a great deal would depend on the various stages and application of procedure. He urged that a solution be sought which would ensure access for subregional systems.

4. Draft Plan: 7-1-1-4 and 6-1-1-4 (Documents 306, 307)

4.1 The Chairman of Sub-Working Group 4-B-1, explained that Document 306 presented the results of a synthesis taking into consideration only the basic requirements of administrations. The results had not included any negative margins. Document 307 presented the results of a completely separate synthesis taking into consideration special requirements related to particular geographic

situations, in addition to basic requirements. The initial results had given 11 allotments with negative margins but it had been possible, by means of manual modifications, to improve the results by getting rid of those negative margins.

4.2 Mr. Bellchambers (IFRB) noted that the basic requirements taken into account were those listed in Document 230(Rev.3).

4.3 The delegate of Denmark, referring to the special problem faced by his Administration, requested confirmation that its requirements would be considered as basic and that a special allotment would be made in accordance with the third draft Plan. In reply, the Chairman explained that the draft Plan in Document 306 had been prepared before it had become clear that special geographic requirements could be accommodated within the draft Plan contained in Document 307: the latter would form the basis for further consideration.

4.4 The delegate of Qatar, pointing out that, like other administrations, Qatar had not submitted special requirements in the interests of achieving a Plan which would be as uniform as possible and would take into account only justifiable, and not artificial, special requirements. However, he wished to reserve his position on Document 307 in view of his concern at its repercussions on the elevation angle for his country, as the values given were unacceptable.

4.5 In reply, the Chairman said that other administrations were no doubt faced with similar problems and he would therefore request the Chairman of Sub-Working Group 4-B-1 to look into the possibilities of modifying the Plan or of considering, at the moment of establishing the PDA, the means of ensuring that elevation angles be raised where necessary.

The meeting rose at 1700 hours.

The Secretary:

F.S. LEITE

The Chairman:

S. PINHEIRO

INTERNATIONAL TELECOMMUNICATION UNION

ORB-88WARC ON THE USE OF THE
GEOSTATIONARY-SATELLITE ORBIT AND THE PLANNING
OF SPACE SERVICES UTILIZING ITDocument 300-E
21 September 1988

SECOND SESSION, GENEVA, AUGUST/OCTOBER 1988

LIST OF DOCUMENTS
(Documents 251 to 300)

PL = Plenary Meeting
 C = Committee
 WG = Working Group
 SWG = Sub-Working Group
 DG = Drafting Group

No.	Origin	Title	Destination
251	WG 6C	Fourth Report from the Chairman of Working Group 6C to the Chairman of Committee 6	C.6
252	SWG 4B1	Note from the Chairman of Sub-Working Group 4B1 to the Chairman of Working Group 4B	WG 4B
253	LIE, SUI	Consideration of special geographical situations for elaboration of the allotment Plan	C.4
254	SWG 5A2 Ad Hoc 2	Report of Sub-Working Group 5A2 Ad Hoc 2	SWG 5A2
255 (Rev.1)	C.7	B.1 (Rev. 1)	PL
256	WG 6A	Second Report of Working Group 6A to Committee 6	C.6
257	TUR	Proposals for the work of the Conference - Modification of RR858 and RR863	WG 6C
258	VEN	Modification of orbital position	C.4
259	USA	Preparation of a First Draft Plan using the common, overlapping predetermined arc	C.4
260	SWG 5A1	BSS Feeder-link planning - Draft Plan	SWG 5A1

No.	Origin	Title	Destination
261	C.4	Summary Record of the ninth meeting of Committee 4	C.4
262	C.5	Summary Record of the sixth meeting of Committee 5	C.5
263	C.6	Summary Record of the fifth meeting of Committee 6	C.6
264	WG 6B	Third Report by the Chairman of Working Group 6B to Committee 6	C.6
265	E	Orbital position	C.4
266	BOL, CLM, EQA, PRU, VEN	Guaranteed access for subregional systems	C.4
267	WG 6C Ad Hoc 3	Report of the Chairman of Working Group 6C Ad Hoc 3 to the Chairman of Working Group 6C	WG 6C
268	C.5	Note from the Chairman of Committee 5 to the Chairman of Committee 6 - Modification of Radio Regulations 858 and 863	C.6
269	C.3	Summary Record of the second meeting of Committee 3	C.3
270	C.4	Summary Record of the tenth meeting of Committee 4	C.4
271	PL	Minutes of the fourth Plenary Meeting	PL
272	WG 4C Ad Hoc 3	First Report of the Chairman of Working Group 4C Ad Hoc 3 to the Chairman of Working Group 4C	WG 4C
273	SWG 6B1	Third Report by the Chairman of Sub-Working Group 6B1 to Working Group 6B	WG 6B
274	C.6	First Series of texts from Committee 6 to the Editorial Committee	C.7
275	C.6	Second Series of texts from Committee 6 to the Editorial Committee	C.7

No.	Origin	Title	Destination
276	SWG 5A2 Ad Hoc 3	Note by the Chairman on Sub-Working Group 5A2 Ad Hoc 3 to the Chairman of Sub-Working Group 5B1 - Formula for the overall protection margin amendment to be made to Annex 5 to Appendix 30	SWG 5B1
277	SWG3/PL	Report from the Chairman of Sub-Working Group 3 of the Working Group of the Plenary to the Working Group of the Plenary	WG/PL
278	AUS, NZL, NOR, USA	Satellite networks with multiple bands and services	WG 6C
279	WG 4B	Note from the Chairman of Working Group 4B to Chairman of Committee 4 - Work Plan	C.4
280	WG 4B	Note from the Chairman of Working Group 4B to the Chairman of Committee 4	C.4
281	WG 5B	Note of the Chairman of Working Group 5B to Committee 5	C.5
282	J	Importance of flexibility of satellite positions in the allotment Plan	C.4
283	USA	Proposals for the work of the Conference - Article 1	WG 6C
284	WG 6B	Note from the Chairman of Working Group 6B to the Chairman of Committee 6 in relation to the impact of the network coordination and notification principle on Article 13	C.6
285	WG 6B	Fourth Report by the Chairman of Working Group 6B to Committee 6	C.6
286	DG 6B1	Second Report of the Chairman of Drafting Group 6B1	SWG 6B2
287	C.6	Note from the Chairman of Committee 6 to the Chairman of Committee 5	C.5
288	CAN, USA, J, S	Proposals relating to Article 14	WG 6B
289	WG 6C	Note from the Chairman of Working Group 6C to the Chairman of Committee 6 - Review of Resolution No. 34	C.6

No.	Origin	Title	Destination
290	C.3	Note by the Chairman of Committee 3 to the Chairmen of Committees 4, 5 and 6 and their Working Groups	C.4, C.5, C.6 and WG of these C.
291	C.3	Situation of the Conference accounts as at 18 September 1988	C.3
292	IND, INS, MEX	Proposal to the work of the Conference - Resolution XX relating to Improved Procedures for the Fixed-Satellite Service	C.6, WG 6A
293	WG 2A	Second Report of Working Group 2-A to Committee 2	C.2
294	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
295	WG/PL	Note from the Chairman of the Working Group of the Plenary to the Chairman of Committee 6	C.6
296	SWG 6B1	Fourth Report by the Chairman of Sub-Working Group 6B1 to Working Group 6B	WG 6B
297	SWG 5A2	Third Report of the Chairman of Sub-Working Group 5A2 to Working Group 5A	WG 5A
298	SWG 5A1	Second Report of the Sub-Working Group 5A1 to the Working Group 5A	WG 5A
299	C.4	Summary Record of the eleventh Plenary Meeting	C.4
300	SG	List of documents (251 to 300)	-