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Documents of the World Radiocommunication Conference (WRC-95) (Geneva, 1995)

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- This PDF includes Document No. 301-327
- The complete set of conference documents includes Document No. 1-327, DL No. 1-17, DT No. 1-114

INTERNATIONAL TELECOMMUNICATION UNION

**WRC-95**WORLD
RADIOCOMMUNICATION
CONFERENCE**Document 301-E**
15 November 1995

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

B.12**PLENARY MEETING**TWELFTH SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following texts are submitted to the Plenary Meeting for **first reading**:

Source	Document	Title
COM 4	269	Resolution 46 (Rev.WRC-95) Annex 1
COM 5	282 + Corr.1	Annex 2

Note by Committee 6:

Provisions A2.1.1 to A2.1.3 (included) of Annex 2 to Resolution 46 (Rev.WRC-95) shall constitute the new Section VI "Coordination Thresholds for the Application of the Provisions of S9.11bis" of Article S21, the text of which is published in Document 298 (R.4).

A.-M. NEBES
Chairman of Committee 6

Annex: 40 pages

MOD

RESOLUTION 46 (Rev.WRC-95)

MOD

**INTERIM PROCEDURES FOR THE COORDINATION AND
NOTIFICATION OF FREQUENCY ASSIGNMENTS OF
SATELLITE NETWORKS IN CERTAIN SPACE
SERVICES AND THE OTHER SERVICES
TO WHICH CERTAIN BANDS ARE
ALLOCATED¹**

MOD

The World Radiocommunication Conference (Geneva, 1995),

NOC*considering***NOC**

a) that in several different space radiocommunication services there is increasing interest in the use of space systems using non-geostationary-satellite networks;

NOC

b) that, in order to ensure the satisfactory operation of such networks, other networks and other radio services sharing the same frequency bands, taking into account the relevant allocations, there is a need for procedures to regulate the frequency assignments of non-geostationary-satellite networks;

MOD

c) that the coordination methods for non-geostationary-satellite networks require specific criteria and calculation methods which are not yet generally available;

MOD

d) that, consequently, there is a need for interim procedures to be applied until such time as the coming into force of a suitable permanent procedure;

ADD

e) that there is also a need for these interim procedures to be applied in certain bands made available by the present Conference for the purpose of providing feeder links to space stations in the non-geostationary-satellite networks of the mobile-satellite service,

¹ This Resolution shall apply only to the frequency bands for which specific reference is made to this Resolution in the footnotes to the Table of Frequency Allocations.

- NOC** *considering also*
- (MOD)** *f)* that any interim procedures must take full account of the status of the allocations to services, both terrestrial and space, in frequency bands which may be used by non-geostationary-satellite networks;
- (MOD)** *g)* that any interim procedures must also take full account of the interests of all countries, including the state of development of their terrestrial and space radiocommunication services,
- NOC** *recognizing*
- MOD** that the operation of telecommunication systems in the bands subject to this Resolution must be in conformity with the Constitution and Convention of the International Telecommunication Union and the Administrative Regulations in force, in particular their respective preambles and, in this respect:
- NOC** *a)* the right of each Member to decide how or whether to participate in the above systems, and to determine the terms and conditions of access to such systems from its territory;
- NOC** *b)* the obligation for entities and organizations providing international or national telecommunication services by non-geostationary-satellite networks to operate at the point of delivery under the legal, financial and regulatory requirements of the Member of the Union in whose territory these services are authorized,

- NOC** *resolves*
- MOD** 1. that, pending the entry into force of a permanent procedure, the use of frequency assignments by:
- MOD** a) non-geostationary-satellite systems in the space services in relation to other non-geostationary-satellite systems, geostationary-satellite systems and terrestrial stations;
- NOC** b) geostationary-satellite systems in relation to non-geostationary-satellite systems; and
- MOD** c) terrestrial stations in relation to the earth stations of non-geostationary-satellite networks;
- MOD** to which this Resolution applies shall be regulated in accordance with the interim procedures and the associated provisions and criteria contained in Annexes 1 and 2 respectively;
- MOD** 2. that the interim procedures annexed to this Resolution apply in addition to those of Articles 11 and 13 for geostationary-satellite networks and shall replace those of Articles 11 and 13 for non-geostationary-satellite networks in those frequency bands specifically identified by footnote to the Table of Frequency Allocations in Article 8;
- MOD** 3. that the interim procedures annexed to this Resolution shall be applied from [17] November 1995;
- NOC** *invites*
- NOC** 1. all administrations concerned in or by the introduction and operation of non-geostationary-satellite systems in the relevant space services to cooperate in the application of these interim procedures;
- MOD** 2. all administrations which acquire experience in the application of the annexed interim procedures to contribute to the studies of the ITU-R;
- MOD** *instructs the Radiocommunication Bureau*
- NOC** to apply these procedures and to provide the necessary assistance to administrations;
- MOD** *invites the ITU-R Study Groups*
- NOC** to study and develop Recommendations on the coordination methods, the necessary orbital data relating to non-geostationary-satellite systems, and the sharing criteria;

ANNEX 1 TO RESOLUTION No. 46 (Rev.WRC-95)

MOD

**Interim Procedures for the Coordination and Notification of Frequency
Assignments of Satellite Networks in Certain Space Services
and the Other Services to Which Certain Bands
are Allocated**

Section A. General Information

MOD

A.1 The assistance of the Radiocommunication Bureau can be requested in the application of the provisions of this annex.

MOD

A.2 In the absence of specific provisions relating to the evaluation of the interference, the calculation methods and the criteria should be based on relevant ITU-R Recommendations agreed by the administrations concerned, either as a result of Resolution **703 (Rev.WARC-92)** or otherwise. In the event of disagreement on a ITU-R Recommendation or in the absence of such Recommendations, the methods and criteria shall be agreed between the administrations concerned. Such agreements shall be concluded without prejudice to other administrations.

MOD

A.3 When applying the provisions of this Resolution for non-geostationary-satellite networks, administrations [shall] provide the following information in addition to that of Appendix 3 or Appendix 4:

ADD

i) Orientation of the satellite transmitting and receiving antenna beams and their radiation pattern.

ADD

ii) Type of modulation and multiple access and spectrum mask.

ADD

iii) Appropriate information required to calculate the region affected by the MSS space stations [as defined in Recommendation ITU-R M.1187]

ADD

[iv] Maximum and average peak e.i.r.p./4 kHz and e.i.r.p./1 MHz for each beam.]

ADD

v) Satellite antenna gain $G(\Theta_e)$ as a function of elevation angle at a fixed point on the Earth. (To be provided either as part of Appendix 3 or as a formula to convert existing Appendix 3 data.)

ADD

vi) Spreading loss (for a non-GSO satellite) as a function of elevation angle. (To be determined by equations or provided in graphical form.)

MOD

vii) New data elements required to properly characterize non-GSO satellites:

N_p = Number of orbital planes

N_s = Number of satellites in each orbital plane

Ω_j = Right ascension of the ascending node for the j -th orbital plane, measured counter-clockwise in the equatorial plane from the direction of the vernal equinox to the point where the satellite makes its south-to-north crossing of the Equator ($0^\circ \leq \Omega_j < 360^\circ$).

i_j = Inclination angle for the j -th orbital plane with respect to the reference plane, which is taken to be the Earth's equatorial plane ($0^\circ \leq i_j < 180^\circ$).

ω_i = Initial phase angle of the i -th satellite in its orbital plane at reference time $t=0$, measured from the point of ascending node ($0^\circ \leq \omega_i < 360^\circ$).

a = Semi-major axis.

e = Eccentricity $0 \leq e < 1$

ω_p = Argument of perigee, measured in the orbital plane, in the direction of motion, from the ascending node to perigee ($0^\circ \leq \omega_p < 360^\circ$)

ADD

In the following, references to Appendix 3 or Appendix 4 information shall be considered to include this additional information, where appropriate.

NOC

Section I. Procedures for the Advance Publication of Information on Planned Satellite Networks

NOC

Publication of Information

MOD

1.1 An administration (or one acting on behalf of a group of named administrations) which intends to bring into use a satellite network within a satellite system shall, prior to the coordination procedure described in paragraphs 2.1 and 2.2, send to the Bureau, not earlier than six years¹ and preferably not later than two years before the date of bringing into service of each satellite network, the information listed in Appendix 4.

MOD

¹ See also paragraph 5.1.6.

MOD	1.2 Amendments to the information sent in accordance with the provisions of paragraph 1.1 shall also be sent to the Bureau as soon as they become available. For geostationary-satellite networks and non-geostationary-satellite networks which are subject to Section II, the use of an additional frequency band will require the application of the advance publication procedure for this band. For non-geostationary-satellite networks which are not subject to Section II, the use of an additional frequency band or an extension of the service area will require the application or recommencing respectively of the advance publication procedures for these modifications, see Resolution [COM4-...].
MOD	1.3 On receipt of the complete information sent under paragraphs 1.1 and 1.2, the Bureau shall publish it 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. The circular telegram shall indicate the frequency bands to be used and, in the case of a geostationary satellite, the orbital location of the space station. When the Bureau is not in a position to comply with the time limit referred to above, it shall periodically so inform the administrations, giving the reasons therefor.
NOC	<i>Comments on Published Information</i>
MOD	1.4 If, after studying the information published under paragraph 1.3, any administration is of the opinion that interference which may be unacceptable may be caused to assignments of its existing or planned satellite networks or to assignments to its existing or planned terrestrial stations, it shall, within four months after the date of the weekly circular referred to in paragraph 1.3 above, send the administration concerned its comments on the particulars of the interference to its existing or planned satellite networks or to its existing or planned terrestrial stations. A copy of these comments shall also be sent to the Bureau. 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 the system on which details have been published.
NOC	1.4A An administration sending information under paragraphs 1.1 and 1.2 shall, if requested by an administration receiving information published under paragraph 1.3, provide the technical methods and criteria it proposes to use for the evaluation of the interference.
NOC	1.4B An administration receiving information published under paragraph 1.3, may provide to the administration sending information under paragraphs 1.1 and 1.2 the technical methods and criteria it proposes to use for the evaluation of the interference.

NOC

Resolution of Difficulties

NOC

1.5 An administration receiving comments sent in accordance with paragraph 1.4 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

1.5A In case of difficulties arising, the administration responsible for the planned network shall first explore all possible means of meeting its requirements without considering the possibility of adjustment to stations or 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

1.5B An administration receiving a request under paragraph 1.5A shall, in consultation with the requesting administration, explore all possible means of meeting the latter's requirements.

NOC

1.5C If, after following the procedure described in paragraphs 1.5A and 1.5B, there are unresolved difficulties, the administrations concerned shall jointly make every possible effort to resolve these difficulties by means of mutually acceptable adjustments.

NOC

Results of Advance Publication

MOD

1.6 An administration on behalf of which details of planned satellite networks have been published in accordance with the provisions of paragraphs 1.1 to 1.3 shall, after the period of four months specified in paragraph 1.4, inform the Bureau whether or not comments provided for in paragraph 1.4 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 Bureau at intervals not exceeding six months prior to the commencement of coordination or notification to the Bureau, as the case may be. The Bureau shall publish this information in the special section of its weekly circular.

MOD

1.7 When, upon expiry of a period of six years plus the extension provided for in paragraph 5.1.6 after the date of the publication of the special section referred to in paragraph 1.3, the administration responsible for the network has not submitted the Appendix 3 information, for coordination under paragraph 2.1 or paragraph 2.2 or notification under No. 1488 or Section V of this Annex, as appropriate, the information published under paragraph 1.3 shall be cancelled after the administration concerned has been informed.

NOC

Commencement of Coordination or Notification Procedures

MOD

1.8 When communicating to the Bureau the information referred to in paragraph 1.1, an administration may, at the same time or later, communicate:

NOC

1.8A the information required for the network coordination of a frequency assignment to a station of a satellite network in accordance with the provisions of paragraph 2.6, or

NOC

1.8B the information required for notification of a frequency assignment to a station of a satellite network when coordination for that assignment is not required.

MOD

1.9 The coordination or notification information, as the case may be, shall be considered as having been received by the Bureau not earlier than six months after the date of receipt of the complete information as indicated under paragraph 1.3.

NOC

Section II. Coordination of Frequency Assignments to a Station of a Satellite Network

NOC

Requirement for Coordination

MOD

2.1 Before an administration (or one acting on behalf of one or more named administrations)¹ notifies to the Bureau or brings into use any frequency assignment to a space station or to an earth station of a non-geostationary-satellite network, it shall effect coordination of the assignment with any other administration:

MOD

- whose assignment to a station in a geostationary-satellite network might affect or be affected by the proposed assignment, or

MOD

- whose assignment to a station of a non-geostationary-satellite network might affect or be affected by the proposed assignment, or

MOD

- whose assignment to a terrestrial station might affect or be affected by the proposed space station assignment.

MOD

2.2 Before an administration (or one acting on behalf of one or more named administrations)¹ notifies to the Bureau or brings into use any frequency assignment to a station of a geostationary-satellite network, it shall effect coordination of the assignment with any other administration:

MOD

- whose assignment to a station of a non-geostationary-satellite network might affect or be affected by the proposed assignment, or

MOD

- whose assignment to a terrestrial station might affect or be affected by the proposed space station assignment.

NOC

2.3 Coordination under paragraphs 2.1 and 2.2 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

2.4 If a frequency assignment is brought into use before the commencement of the coordination procedure of paragraphs 2.1 and 2.2, when this coordination is required, the operation in advance of the receipt by the Bureau of the Appendix 3 information shall in no way afford any priority of the date.

¹ Whenever, under this provision, an administration acts on behalf of a group of named administrations, all members of the group retain the right to respond in respect of their own networks or systems.

2.5

MOD

2.5.1 Frequency assignments to be taken into account in the application of paragraphs 2.1 and 2.2 are those with a frequency overlap with 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 to 425 and 435), and which:

for space services, are:

MOD

2.5.2 in conformity with No. 1503, and

MOD

2.5.3 either recorded in the Master Register, notified to the Bureau without any coordination in those cases when the provisions of paragraph 2.5.8 apply, or coordinated under the provisions of this Section or of Section II of Article 11, or

MOD	2.5.4 included in the coordination procedure with effect from the date of receipt by the Bureau, in accordance with paragraph 2.6 or No. 1074 or 1074A of Article 11, of the complete information as specified in Appendix 3; or, for terrestrial services, are:
MOD	2.5.5 recorded in the Master Register with a favourable finding with respect to No. 1240, or
MOD	2.5.6 not notified but in use or planned to be brought into use within the three years following the date of the publication referred to in paragraph 2.7.2.
ADD	2.5.7 Coordination of space services (space-to-Earth) with the terrestrial services of an administration is required only if the threshold levels appearing in Annex 2 of this Resolution are exceeded over any part of the territory of this administration.
ADD	2.5.8 No coordination under paragraphs 2.1 or 2.2 is required:
ADD	a) when the characteristics of a new or a modified frequency assignment or a new earth station are within the limits of those of a frequency assignment which has previously been coordinated;
ADD	b) 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 paragraphs 2.5.1 to 2.5.4;
ADD	c) between earth stations using frequency assignments in the same direction (either Earth-to-space or space-to-Earth).
NOC	<i>Coordination Data</i>
MOD	2.6 The administration seeking coordination shall send to the Bureau the information listed in Appendix 3.
MOD	2.7 On receipt of the complete information referred to in paragraph 2.6, the Bureau shall:
MOD	2.7.1 examine this information with respect to its conformity with No. 1503; the date of its receipt shall be considered as the date from which the assignment will be taken into account for coordination, and

MOD

2.7.2 publish in the special section of its weekly circular, within three months, the information received under paragraph 2.6 and the result of the examination under paragraph 2.7.1. When the Bureau is not in a position to comply with the time limit referred to above, it shall periodically so inform the administrations giving the reasons therefor, and

ADD

2.7.3 to assist administrations in identifying services that might be affected, include in the special section mentioned in paragraph 2.7.2 the names of the administrations having frequency assignments complying with the provisions of paragraphs 2.5.1, 2.5.2, 2.5.3, 2.5.4 for space services and paragraphs 2.5.1 and 2.5.5 for terrestrial services.

NOC

Examination of Coordination Data and Agreement Between Administrations

MOD

2.8 On receipt of the special section referred to in paragraph 2.7.2, an administration shall promptly examine the matter with regard to:

MOD

2.8.1 interference which would be caused to the frequency assignments of its satellite networks or by these assignments to the satellite network for which coordination is sought, or

ADD

2.8.2 its planned or existing terrestrial stations which have a frequency overlap with the frequency assignments of the space station for which coordination is sought.

MOD

2.9 In so doing, it shall have regard to the proposed date of bringing into use of the assignment for which coordination is sought. It shall then, within [four] months from the date of the relevant weekly circular, notify the administration seeking coordination of its agreement.

ADD

2.10 On receipt of the special section referred to in paragraph 2.7.2, and within the same [four]-month period, an administration in need of assistance may inform the Bureau that it has recorded, existing or planned terrestrial stations that might be affected by the planned satellite network and may request the Bureau to determine the need for coordination by applying the Annex 2 criteria. The Bureau shall inform the administration seeking coordination of this request, indicating the date by which it may be able to provide the results of its analysis. When these results are available, the Bureau shall inform both administrations.

ADD	A request under paragraph 2.10 shall be considered as a disagreement, pending the results of the analysis by the Bureau of the need for coordination.
MOD	2.11 If an administration does not agree under paragraph 2.9 or has requested assistance from the Bureau under paragraph 2.10, it shall, within the same period, send to the administration seeking coordination the technical details of the networks or information on the terrestrial stations concerned upon which its disagreement is based, including:
MOD	2.11.1 in case of a disagreement under paragraph 2.8.1, the characteristics contained in Appendix 3, or
MOD	2.11.2 in case of a disagreement under paragraph 2.8.2, the characteristics contained in Section C of Appendix 1 which have not previously been notified to the Bureau,
MOD	and make such suggestions as it may be able to offer with a view to a satisfactory solution of the problem. A copy of these comments shall also be sent to the Bureau.
ADD	2.12 If the administration concerned has notified its disagreement within the same period, but the information on the fixed service stations upon which its disagreement is based cannot be provided, it shall be assumed that reference parameters, as contained in Annex 2, can be used to determine the need for coordination with this administration.
MOD	2.13 Administrations with which coordination is sought, as well as the administration seeking coordination, shall make all possible mutual efforts to overcome the difficulties in a manner acceptable to the parties concerned.
ADD	2.14 Forty-five days prior to the expiry of the [four]-month period mentioned in paragraph 2.9, the Bureau shall dispatch a circular telegram to all administrations, bringing the matter to their attention.
ADD	2.15 Upon receipt of the circular telegram mentioned in paragraph 2.14, an administration shall acknowledge receipt immediately by telegram. If no acknowledgement is received within thirty days, the Bureau shall dispatch a telegram requesting acknowledgement, to which the receiving administration shall reply within a further period of fifteen days.

2.16 When an administration has not responded to the Bureau within the period of [four] months referred to in paragraph 2.9, it shall be deemed that this administration has undertaken:

- ADD a) that no complaint will be made in respect of any harmful interference affecting the services rendered by its satellite networks referred to in paragraphs 2.5.1 to 2.5.4 which may be caused by the use of the assignment to a station of the satellite network for which coordination was requested;
- ADD b) that no complaint will be made in respect of any harmful interference affecting the services rendered by its terrestrial stations referred to in paragraph 2.5.1, 2.5.5 and 2.5.6 which may be caused by the use of the assignment to a station of the satellite network for which coordination was requested;
- ADD c) that its assignments to a station in a satellite network referred to in paragraphs 2.5.1 to 2.5.4 will not cause harmful interference to the satellite network assignment for which coordination was requested;
- ADD d) that assignments to terrestrial stations referred to in paragraphs 2.5.1 and 2.5.6 will not cause harmful interference to the satellite network assignment for which coordination was requested.

NOC *Results of Coordination*

MOD 2.17 An administration which has initiated a coordination procedure under the provisions of paragraphs 2.1 to 2.6 shall communicate to the Bureau the names of the administrations with which agreement has been reached. The Bureau shall publish this information in the special section of its weekly circular.

MOD 2.18 An administration which has sought coordination, as well as any administration which has complied with the provisions of paragraphs 2.8 to 2.16, shall communicate to the Bureau any modifications to the published characteristics of their respective networks or stations that were required to reach agreement on the coordination. The Bureau shall publish this information in accordance with paragraph 2.7.2, indicating that these modifications resulted from the joint efforts of the administrations concerned to reach agreement on the coordination.

ADDS9.60 to
S9.65.1*Requests to the Bureau for Assistance in Effecting Coordination***2.18.1**

If an administration with which coordination is sought has disagreed under paragraph 2.11, but fails to give a decision on the matter or to provide information concerning its own assignments upon which the disagreement is based, within the same [four]-month period specified in paragraph 2.9, the requesting administration may seek the assistance of the Bureau.

2.18.2

The Bureau, acting on a request under paragraph 2.18.1, shall forthwith send a telegram to the administration concerned requesting it to give an early decision on the matter or to provide the relevant information.

2.18.3

If the administration concerned still does not respond to this request within thirty days of the Bureau's action under 2.18.2, the conclusions under paragraph 2.16 shall apply.

2.18.4

If there is continuing disagreement, or if any administration involved has requested the assistance of the Bureau, the Bureau shall seek any necessary information to enable it to assess the interference. It shall communicate its conclusions to the administrations involved.

NOC*Notification of Frequency Assignments in the Event of Continuing Disagreement***MOD**

2.19 In the event of continuing disagreement between an administration seeking to effect coordination and any administration with which coordination has been sought, the administration seeking coordination shall, except in the cases where the assistance of the Bureau has been requested, defer the submission of its notice concerning the proposed assignment by [six] months from the date of publication of the special section referred to in paragraph 2.7.2, taking into account the provisions of No. 1496. When the assistance of the Bureau has been requested, the submission of the notice shall be deferred for a further three months.

MOD	Section III. Coordination of Frequency Assignments to Earth Stations of a Non-Geostationary-Satellite Network in Relation to Terrestrial Stations and of a Satellite Network in Relation to Other Earth Stations in the Opposite Direction of Transmission
NOC	<i>Requirement for Coordination</i>
MOD	3.1 Before an administration notifies to the Bureau or brings into use any frequency assignment to a fixed earth station or to typical earth stations in a particular band allocated with equal rights to space and terrestrial radiocommunication services, it shall effect coordination of the assignment with each administration whose territory lies wholly or partly within the coordination area as specified in Annex 2 to this Resolution. The request for coordination may specify all or some of the frequency assignments to the associated space station, but thereafter each assignment shall be dealt with individually.
ADD	3.1.1
	No coordination under paragraph 3.1 is required:
ADD	3.1.2
	a) when an administration proposes to bring into use an earth station the coordination area of which does not include any of the territory of any other country;
ADD	3.1.3
	b) when an administration proposes to bring into use an assignment to an earth station operating in the opposite direction of transmission, which is located in relation to an earth station outside the coordination area of that earth station.
ADD	3.1.4
	c) when the characteristics of a new or modified assignment are within the limits of those of a frequency assignment which has previously been coordinated.
ADD	3.1.5
	d) when an administration proposes to bring into use a new frequency assignment to a receiving earth station and the notifying administration states that it accepts the interference resulting from existing and future terrestrial station assignments or earth station assignments operating in the opposite direction of transmission. In such case, administrations responsible for the terrestrial stations or the earth stations, are not required to apply the provisions of Section IV or Section III respectively, of this Article.

NOC

Coordination Data

MOD

3.2 For the purpose of effecting coordination, the administration requesting coordination shall send to each administration concerned under paragraph 3.1 all basic characteristics concerning the proposed frequency assignment as listed in Appendix 3, and an indication of the planned date of bringing into use.

NOC

Acknowledgement of Receipt of Coordination Data

NOC

3.3 An administration with which coordination is sought under paragraph 3.1 shall immediately acknowledge receipt of the coordination data.

NOC

Examination of Coordination Data and Agreement Between Administrations

NOC

3.4 On receipt of the coordination data, an administration shall, having regard to the proposed date of bringing into use of the assignment for which coordination was requested, promptly examine the matter with regard to both:

MOD

3.4.1 a) interference which would affect the service rendered by its terrestrial stations operating in accordance with the Constitution, the Convention and these Regulations, or to be so operated prior to the planned date of bringing into service of the earth station assignment, or within the next three years, whichever is the longer, and

ADD

3.4.1 b) interference which would affect the services rendered by its earth stations which are operating, or are planned to be operated in the opposite direction of transmission, prior to the planned date of bringing into service of the earth station assignment, or within the next three years, whichever is the longer. The assignments to be taken into account in this examination are those:

3.4.1.b1 for which the associated space network characteristics have been communicated to the Bureau under paragraph 1.3, and

3.4.1. b2 which are in conformity with No 1503, and

3.4.1.b3 either coordinated under No 1107 or paragraph 3.1 above, or

B.12/17

MOD

3.4.1. b4 to be taken into account for coordination with effect from the date of communication of the information referred to in No. 1113 or paragraph 3.2 above; or

3.4.1.b5 recorded in the Master Register with a favourable finding with respect to No. 1505 or paragraph 5.1.2 below; or

3.4.1.b6 recorded in the Master register with an unfavourable finding with respect to No. 1505 or paragraph 5.1.2 below, and a favourable finding with respect to No. 1509 or paragraph 5.1.4 below; or

3.4.1.b7 recorded in the Master Register in application of No. 1544, if that frequency assignment has not in fact caused harmful interference to any other previously recorded frequency assignment which is in conformity with No. 1503;

ADD

3.4.2 a) interference which would be caused to reception at an earth station by the service rendered by its terrestrial stations operating in accordance with the Constitution, the Convention and these Regulations, or to be so operated prior to the planned date of bringing into service of the earth station assignment, or within the next three years, whichever is the longer;

3.4.2 b) interference which would be caused to reception at an earth station by the service rendered by its earth stations in the opposite direction of transmission, covered under paragraphs 3.4.1.b1 to 3.4.1.b7, which are operating, or are to be operated prior to the planned date of bringing into service of the earth station assignment, or within the next three years, whichever is the longer.

NOC

3.5 The administration with which coordination is sought shall, within four months from dispatch of the coordination data:

MOD

3.5.1 notify the administration requesting coordination of its agreement with a copy to the Bureau, indicating, where appropriate, the part of the allocated frequency band containing the coordinated frequency assignments; or

ADD	3.5.2	Send to that administration a request for inclusion in coordination of the terrestrial stations or the earth stations in the opposite direction of transmission mentioned in 3.4.1a), 3.4.1b), 3.4.2a) and 3.4.2b); or
MOD	3.5.3	notify that administration of its disagreement.
MOD	3.6	In the cases mentioned in paragraphs 3.5.2 and 3.5.3, the administration with which coordination is sought shall send to the administration requesting coordination a diagram drawn to an appropriate scale indicating the location of those terrestrial stations or earth stations in the opposite direction of transmission which are or will be within the coordination area, together with all other relevant basic characteristics using Appendix 1 or Appendix 3, as appropriate, and make such suggestions as it may be able to offer with a view to a satisfactory solution of the problem.
MOD	3.7	When the administration with which coordination is sought sends to the administration seeking coordination the information required in the case of paragraph 3.5.3, a copy thereof shall also be sent to the Bureau.
ADD	a)	The Bureau shall consider as notifications in accordance with Section I of Article 12 only that information relating to existing terrestrial stations, or to those to be brought into use within the next three months.
ADD	b)	The Bureau shall consider as notifications in accordance with Section I of Article 13 only that information relating to existing earth stations, or to those to be brought into use within the next three years.
ADD	3.7.1	When an agreement on coordination is reached as a consequence of paragraphs 3.5 to 3.7, the administration responsible for the terrestrial stations or the earth stations in the opposite direction of transmission may send to the Bureau the information concerning those stations covered by the agreement which are intended to be notified in accordance with Section I of Article 12 or Section I of Article 13, as appropriate. The Bureau shall consider as notifications in accordance with those Sections only that information relating to existing stations or to those to be brought into use within the next three years.
ADD	3.7.2	The periods referred to in paragraphs 3.4.1 and 3.4.2 may be extended by agreement between the administrations concerned in order to take planned terrestrial and space networks into account. Coordination between earth stations may commence five and a half years before bringing these stations into use.

B.12/19

ADD

[RR 1130 to
1144]

ADD

Requests to the Bureau for Assistance in Effecting Coordination

ADD

3.7.3

An administration seeking coordination may request the Bureau to endeavour to effect coordination in those cases where:

ADD

3.7.4

ADD

a) an administration with which coordination is sought under paragraph 3.1 fails to acknowledge receipt, under paragraph 3.3, within forty-five days of dispatch of the coordination data referred to in paragraph 3.2; or

ADD

3.7.5

ADD

b) an administration has acknowledged receipt under paragraph 3.3, but fails to give a decision within four months from dispatch of the coordination data under paragraph 3.2; or

ADD

3.7.6

ADD

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

ADD

3.7.7

ADD

d) coordination is not possible for any other reason.

ADD

3.7.8

ADD

In making its request, the administration shall furnish the necessary information to enable the Bureau to endeavour to effect such coordination.

ADD

Action to Be Taken by the Bureau

ADD

3.7.9

ADD

When the Bureau receives a request under 3.7.4, it shall forthwith send a telegram to the administration concerned requesting immediate acknowledgement.

ADD

3.7.10

ADD

When the Bureau receives an acknowledgement following its action under paragraph 3.7.9, or when the Bureau receives a request under paragraph 3.7.5, it shall forthwith send a telegram to the administration concerned requesting an early decision in the matter.

ADD**3.7.11****ADD**

When the Bureau receives a request under paragraph 3.7.7, it shall endeavour to effect coordination in accordance with the provisions of paragraph 3.1. When the Bureau receives no acknowledgement to its request for coordination within a period of thirty days, it shall act in accordance with paragraph 3.7.9.

ADD**3.7.12****ADD**

Where necessary, as part of the procedure under paragraphs 3.7.3 to 3.7.8, the Bureau shall assess the interference. In any case, the Bureau shall inform the administrations concerned of the results obtained.

ADD**3.7.13****ADD**

The Bureau may request additional information which it may require to assess the interference to the services concerned.

ADD**3.7.14****ADD**

If an administration fails to reply within thirty days of dispatch of the Bureau's telegram requesting an acknowledgement sent under paragraph 3.7.9, or fails to give a decision in the matter within thirty days of dispatch of the Bureau's telegram of request under paragraph 3.7.10, it shall be deemed that the administration with which coordination was sought has undertaken:

ADD**3.7.15****ADD**

a) that no complaint will be made in respect of any harmful interference affecting the services rendered by its terrestrial stations or its earth stations with regard to operation in the opposite direction of transmission which may be caused by the use of the assignment for which coordination was requested;

ADD**3.7.16****ADD**

b) that its terrestrial stations or its earth stations operating in the opposite direction of transmission will not cause harmful interference to the frequency assignment for which coordination was requested.

NOC

Notification of Frequency Assignments in the Event of Continuing Disagreement

MOD

3.8 In the event of continuing disagreement between an administration seeking coordination and an administration with which coordination has been sought, the administration seeking coordination shall, except in the cases where the assistance of the Bureau has been requested, defer the submission of its notice concerning the proposed assignment by six months from the date of the request for coordination, taking into account the provisions of No. 1496. When the assistance of the Bureau has been requested, the submission of the notice shall be deferred for a further three months.

NOC

**Section IV. Coordination of Frequency Assignments to
Terrestrial Stations for Transmission in Relation to Earth Stations
of a Non-Geostationary-Satellite Network**

NOC

Requirement for Coordination

MOD

4.1 Before an administration notifies to the Bureau, or brings into use any frequency assignment to a terrestrial station for transmission within the coordination area, as specified in Annex 2 to this Resolution, of an earth station of a non-geostationary satellite network, in a band allocated with equal rights to terrestrial radiocommunication services and space radiocommunication services (space-to-Earth), it shall effect coordination of the proposed assignment with the administration responsible for the earth stations with respect to the frequency assignments:

ADD

4.1.1 for which the associated space network characteristics have been communicated to the Bureau under paragraph 1.3, and

MOD

4.1.2 which are in conformity with No. 1503; and

ADD

4.1.3 either coordinated under No. 1107 or paragraph 3.1 above; or

ADD

4.1.4 to be taken into account for coordination with effect from the date of communication of the information referred to in No. 1113 or paragraph 3.2 above; or

ADD

4.1.5 recorded in the Master Register with a favourable finding with respect to No. 1505 or paragraph 5.1.2 below; or

ADD

4.1.6 recorded in the Master register with an unfavourable finding with respect to No. 1505 or paragraph 5.1.2 below, and a favourable finding with respect to No. 1509 or paragraph 5.1.4 below; or

ADD	4.1.7 recorded in the Master Register with an unfavourable finding with respect to No. 1505 or paragraph 5.1.2 below and No. 1509 or paragraph 5.1.4 below, the notifying administration having stated that it accepts the interference resulting from the existing terrestrial stations located within the coordination area of the earth station on the date of its recording.
ADD	4.1.8 No coordination under paragraph 4.1 is required when an administration proposes:
ADD	4.1.9 a) to bring into use a terrestrial station located outside the coordination area of an earth station;
ADD	4.1.10 b) to change the characteristics of an existing assignment in such a way as to remain within the envelope of the characteristics of this assignment.
ADD	4.1.11 c) to bring into use a terrestrial station within the coordination area of an earth station, provided that the proposed terrestrial station assignment is outside any part of a frequency band coordinated under paragraph 3.5.1 for reception by that earth station.
NOC	<i>Coordination Data</i>
NOC	4.2 For the purpose of effecting coordination, the administration requesting coordination shall send to each administration concerned under paragraph 4.1 all pertinent information. The request for coordination may specify all or some of the frequency assignments expected to be used within the next three years by stations of a terrestrial network wholly or partly within the coordination area of the earth stations. Thereafter each assignment shall be dealt with individually.
NOC	<i>Acknowledgement of Receipt of Coordination Data</i>
NOC	4.3 An administration with which coordination is sought under paragraph 4.1 shall immediately acknowledge receipt of the coordination data.
NOC	<i>Examination of Coordination Data and Agreement Between Administrations</i>
MOD	4.4 On receipt of the coordination data, the administration with which coordination is sought shall promptly examine the matter with regard to interference which would affect the services rendered by its earth stations covered by paragraphs 4.1 to 4.1.7, which are operating or are to be operated within the next three years.

NOC	4.5 The administration with which coordination is sought shall, within an overall period of four months from dispatch of the coordination data, either notify the administration requesting coordination of its agreement to the proposed assignment or, if this is not possible, indicate the reasons for its objection and make such suggestions as it may be able to offer with a view to a satisfactory solution of the problem.
ADD [RR 1168 to 1181]	4.6 <i>Requests to the Bureau for Assistance in Effecting Coordination</i>
ADD	4.6.1 An administration seeking coordination may request the Bureau to endeavour to effect coordination in those cases where:
ADD	4.6.2 a) an administration with which coordination is sought under paragraph 4.1 fails to acknowledge receipt under paragraph 4.3 within thirty days of dispatch of the coordination data referred to in paragraph 4.2; or
ADD	4.6.3 b) an administration has acknowledged receipt under paragraph 4.3, but fails to give a decision within four months of dispatch of the coordination data; or
ADD	4.6.4 c) there is disagreement, as to the acceptable interference, between the administration seeking coordination and an administration with which coordination is sought; or
ADD	4.6.5 d) coordination is not possible for any other reason.
ADD	4.6.6 In making its request, the administration shall furnish the necessary information to enable the Bureau to endeavour to effect such coordination.
ADD	4.7 <i>Action to Be Taken by the Bureau</i>
ADD	4.7.1 When the Bureau receives a request under paragraph 4.6.2, it shall forthwith send a telegram to the administration concerned requesting immediate acknowledgement.

ADD

4.7.2

When the Bureau receives an acknowledgement following its action under paragraph 4.7.1, or where the Bureau receives a request under paragraph 4.6.3, it shall forthwith send a telegram to the administration concerned requesting an early decision in the matter.

ADD

4.7.3

When the Bureau receives a request under paragraph 4.6.5, it shall endeavour to effect coordination in accordance with the provisions of paragraph 4.1. When the Bureau receives no acknowledgement of its request for coordination within three months, it shall act in accordance with paragraph 4.6.7.

ADD

4.7.4

Where necessary, as part of the procedure under paragraphs 4.6.1 to 4.6.5, the Bureau shall assess the interference. In any case, the Bureau shall inform the administrations concerned of the results obtained.

ADD

4.7.5

The Bureau may request additional information which it may require to assess the interference to the services concerned.

ADD

4.7.6

If an administration fails to reply within thirty days of dispatch of the Bureau's telegram sent under paragraph 4.7.1 requesting an acknowledgement, or fails to give a decision in the matter within thirty days of dispatch of the Bureau's telegram of request sent under 4.7.2, it shall be deemed that the administration with which coordination was sought has undertaken that no complaint will be made in respect of any harmful interference which may be caused by the terrestrial station being coordinated to the service rendered by its earth station.

NOC

Notification of Frequency Assignments in the Event of Continuing Disagreement

MOD

4.8 In the event of continuing disagreement between an administration seeking coordination and an administration with which coordination has been sought, the administration seeking coordination shall, except in the cases where the assistance of the Bureau has been requested, defer the submission of its notice concerning the proposed assignment by six months from the date of the request for coordination, taking into account the provisions of Nos. **1230** and **1496**. When the assistance of the Bureau has been requested, the submission of the notice shall be deferred for a further three months.

NOC

Section V. Notification of Frequency Assignments

NOC

Notification of Assignments to Space Stations and Earth Stations

MOD

5.1 An administration shall, for the purpose of notifying an assignment to the Bureau, apply the provisions of Article 13. When applying the provisions of Article 13 to frequency assignment notices relating to space stations and earth stations covered by this Resolution, the Bureau shall:

MOD

5.1.1 in applying No. 1504, also examine the notice with respect to its conformity with the provisions of paragraphs 2.1, 2.2 and 2.5.8 relating to coordination of the use of the frequency assignment with the other administrations concerned;

MOD

5.1.2 in applying No. 1505, also examine the notice with respect to its conformity with the provisions of paragraphs 3.1 and 3.1.1 to 3.1.3 relating to coordination of the use of the frequency assignment with the other administrations concerned;

NOC

5.1.3 in applying No. 1506, also examine the notice with respect to the probability of harmful interference when the coordination under paragraph 2.1 or 2.2 has not been successfully effected;

NOC

5.1.4 in applying No. 1509, also examine the notice with respect to the probability of harmful interference when the coordination under paragraph 3.1 has not been successfully effected;

(MOD)

5.1.5 not apply Nos. 1515 and 1516;

ADD

5.1.6 apply No. 1550 with respect to the date of publication of the special section of the weekly circular referred to in paragraph 1.3.

NOC

5.2 The examination under paragraph 5.1.3 or 5.1.4 shall take into account the frequency assignments for transmission or reception already recorded in the Master Register.

NOC

Notification of Assignments to Terrestrial Stations

MOD

5.3 An administration shall, for the purpose of notifying an assignment to the Bureau, apply the provisions of Article 12. When applying the provisions of Article 12 the Bureau shall, in application of No. 1353, examine frequency assignment notices relating to terrestrial stations covered by this Resolution with respect to their conformity with the provisions of paragraph 4.1 relating to coordination of the use of the frequency assignment with the other administrations concerned.

ANNEX 2 TO RESOLUTION 46

Annex 2 to Resolution 46 contains some technical criteria and some appropriate technical methods which are referred to in the main part of Resolution 46. Annex 2 comprises:

- A2.1: Coordination thresholds for sharing between MSS (space-to-Earth) and terrestrial services in the same frequency bands and between non-GSO MSS feeder links (space-to-Earth) and terrestrial services in the same frequency bands.
- A2.2: Hard limits for sharing between MSS (space-to-Earth) and terrestrial services in the same frequency bands and between non-GSO MSS feeder links (space-to-Earth) and terrestrial services in the same frequency bands.
- A2.3: Coordination areas for mobile earth stations operating below 3 GHz and earth stations providing feeder links for non-geostationary satellites operating in the mobile-satellite service.

A2.1 Coordination thresholds for sharing between MSS (space-to-Earth) and terrestrial services in the same frequency bands and between non-GSO MSS feeder links (space-to-Earth) and terrestrial services in the same frequency bands

A2.1.1 Below 1 GHz

In the bands 137 - 138 MHz and 400.15 - 401 MHz, coordination of a space station of the MSS (space-to-Earth) with respect to terrestrial services is required only if the power flux-density produced by the station exceeds -125 dB(W/m²/4 kHz) at the Earth's surface.

A2.1.2 Between 1 and 3 GHz

A2.1.2.1 Objectives

Generally, power flux-density thresholds were used to determine the need for coordination between space stations of the MSS (space-to-Earth) and terrestrial services. However, to facilitate sharing between digital fixed service (FS) stations and NGSO MSS space stations, the concept of fractional degradation in performance (FDP) was adopted. This concept involves new methods described in this Annex.

As a consequence of this new concept, the need for coordination between space stations of the MSS (space-to-Earth) and terrestrial services is determined using two methods:

- simple method: FDP (**simple** definition of the MSS system and characteristics of **reference** FS stations are used in inputs) or power flux-density trigger value;

- more detailed method: system specific methodology (SSM) (**specific** characteristics of the MSS system and characteristics of **reference** FS stations are used in inputs) as described, for example, in Annex 1 to Recommendation ITU-R IS.1143.

If one of the two methods gives a result that does not exceed the criteria relevant to each method, there is no need for coordination.

If only one method is available in an administration, the result of this method must be taken into account.

A2.1.2.2 General considerations

A2.1.2.2.1 Method for calculating the value of fractional degradation in performance (FDP)

The FDP is used in cases of sharing between digital FS stations with non-GSO MSS stations (space-to-Earth).

To calculate the value of the FDP, the following parameters are needed:

- technical characteristics of digital FS station;
- technical characteristics of non-GSO MSS constellation.

The FDP is calculated:

- by simulating the proposed MSS constellation using the information given in paragraph A.3 of Resolution 46;
- by positioning the FS station at a certain latitude (each station is assumed to operate at an elevation angle of 0°);
- by calculating for each pointing azimuth (Az) varying between 0° and 360°:
 - at each instant in time of the simulation, the aggregate interference from all visible space stations received at the FS station;
 - the FDP_{Az} for the azimuth Az, using the following formula:

$$FDP_{Az} = \max_{I_i = \min} \frac{I_i f_i}{N_T}$$

- by the following formula:

$$FDP = \max(FDP_{Az})$$

(The formula for FDP applies to the 1 - 3 GHz frequency range only. A different formula may apply at frequencies above 3 GHz.)

where:

I_i = interference noise power level (W)

f_i = the fractional period of time during which the interference power equals I_i

N_T = station receiving system noise power level = kTB (W)

k = Boltzmann's constant = $1.38 \cdot 10^{-23}$ (J/K)

T = FS station receiving system effective noise temperature (T should be calculated by the following formula: $10 \log T = NF + 10 \log T_0$ where NF (dB) is the receiver noise figure given in Annex 1 and T_0 should be assumed as 290 K)

B = reference bandwidth = 1 MHz

NOTE – For the purpose of FDP calculation according to this Annex, it should be assumed that all space stations in the same MSS constellation operate on the same frequencies.

A2.1.2.2.2 Characteristics of reference systems in the fixed service

The following parameters represent the set of reference parameters of the fixed service.

A2.1.2.2.2.1 Characteristics of reference digital point-to-point systems

Three different digital systems are described in this table:

- 64 kbit/s capacity used, for example, for outside-plant (individual subscriber connection);
- 2 Mbit/s capacity used, for example, for business subscriber connections for the local part of the inside-plant;
- 45 Mbit/s capacity used, for example, for trunk networks.

Capacity	64 kbit/s	2 Mbit/s	45 Mbit/s
Modulation	4-PSK	8-PSK	64-QAM
Antenna gain (dB)	33	33	33
Transmit power (dBW)	7	7	1
Feeder/multiplexer loss (dB)	2	2	2
e.i.r.p. (dBW)	38	38	32
Receiver IF bandwidth (MHz)	0.032	0.7	10
Receiver noise figure (dB)	4	4.5	4
Receiver input level for a BER of 10^{-3} (dBW)	-137	-120	-106
Maximum long-term interference Total power (dBW)	-165	-151	-136
Maximum long-term interference Power spectral density (dB(W/4 kHz))	-174	-173	-170

Antenna pattern:

$$G(\varphi) = G_{\max} - 2.5 \times 10^{-3} \left(\frac{D\varphi}{\lambda} \right)^2 \quad \text{for } 0 < \varphi < \varphi_m$$

$$G(\varphi) = G_1 \quad \text{for } \varphi_m \leq \varphi < 75.86(\lambda/D)$$

$$G(\varphi) = 49 - 10 \log(D/\lambda) - 25 \log \varphi \quad \text{for } 75.86(\lambda/D) \leq \varphi < 48^\circ$$

$$G(\varphi) = 7 - 10 \log(D/\lambda) \quad \text{for } 48^\circ \leq \varphi$$

where:

$G(\varphi)$: gain relative to an isotropic antenna (dBi)

φ : off-axis angle (degree)

D : antenna diameter

λ : wavelength expressed in the same unit as D

G_1 : gain of the first side-lobe = $2 + 15 \log(D/\lambda)$

(D/λ may be estimated from $20 \log D/\lambda \approx G_{\max} - 7.7$)

G_{\max} : main lobe antenna gain (dBi)

$\varphi_m = 20 (\lambda/D) \times \sqrt{(G_{\max} - G_1)}$ (degrees)

It should be noted that the above antenna radiation pattern corresponds to the average side-lobe pattern and it is recognized that individual side-lobes may exceed it by up to 3 dB.

A2.1.2.2.2.2 Characteristics of reference analogue point-to-point systems

Antenna gain (dBi)	33
e.i.r.p. (dBW)	36
Feeder/multiplexer loss (dB)	3
Receiver noise figure (referred to input of receiver) (dB)	8
Maximum long-term interference per link (20% of time) (dB(W/4 kHz))	-170

Antenna pattern: Use antenna pattern of section 2.2.1.

A2.1.2.2.2.3 Characteristics of reference point-to-multipoint systems

Parameter	Central station	Outstation
Antenna type	Omni/Sectoral	Dish/Horn
Antenna gain (dBi)	10/[13]	20 (analogue) 27 (digital)
e.i.r.p. (max) (dBW)		
analogue	12	21
digital	24	34
Noise figure (dB)	3.5	3.5
Feeder loss (dB)	2	2
IF bandwidth (MHz)	3.5	3.5
Maximum permissible long-term interference power (20% time)		
Total (dBW)	-142	-142
dB (W/4 kHz)	-170	-170
dB (W/MHz)	-147	-147

Antenna pattern:

For the outstation antenna pattern, the reference pattern described in section 2.2.1 has to be used.

The reference radiation pattern for omnidirectional or sectoral antennas is the following:

$$\begin{aligned} G(\theta) &= G_0 - 12 (\theta/\varphi_3)^2, \text{ dBi} & 0 \leq \theta < \varphi_3 \\ G(\theta) &= G_0 - 12 - 10 \log (\theta/\varphi_3), \text{ dBi} & \varphi_3 \leq \theta \leq 90^\circ \end{aligned}$$

where:

G_0 = maximum gain in the horizontal plane (dBi)

θ is the radiation angle above the horizontal plane (degrees)

φ_3 (degrees) is given by:

$$\varphi_3 = \frac{1}{\alpha^2 - 0.818}, \text{ degrees}$$

where:

$$\alpha = \frac{10^{0.1G_0} + 172.4}{191}$$

It should be noted that the above antenna pattern is provisional and that further study is under way in the ITU-R.

A2.1.2.3 Determination of the need for coordination between MSS space stations (space-to-Earth) and terrestrial stations

A2.1.2.3.1 Method for the determination of the need for coordination between MSS space stations (space-to-Earth) and other terrestrial services sharing the same frequency band in the 1 to 3 GHz range

Coordination of space stations of the mobile-satellite service downlink with respect to terrestrial services is not required if the power flux-density produced at the Earth's surface or the fractional degradation in performance (FDP) of a station in the fixed service does not exceed the threshold values shown in the table.

Frequency band (MHz)	Service to be protected	Coordination threshold values				
		Geostationary space stations		Non-geostationary space stations		
		pfd (per space station) calculation factors (NOTE 2)		pfd (per space station) calculation factors (NOTE 2)		% FDP (in 1 MHz) (NOTE 1)
		P dB(W/m ²) in 4 kHz	r dB/deg	P dB(W/m ²) in 4 kHz	r dB/deg	
1 492 - 1 525	analogue FS	-152	0.5	-152	0.5	
	digital FS	-152	0.5			25
	other terrestrial services (NOTE 4)	-152	0.5	-152	0.5	
1 525 - 1 530	analogue FS	-152	0.5	-152	0.5	
	digital FS	-152	0.5			25
	other terrestrial services (NOTE 4)	-152	0.5	-152	0.5	
2 160 - 2 200 (NOTE 3)	analogue FS	-152	0.5	-147	0.5	
	digital FS	-152	0.5			25
	other terrestrial services (NOTE 4)	-152	0.5	-147	0.5	
2 483.5 - 2 500	fixed	-152	0.5	-150	0.65	
	other terrestrial services (NOTE 4)	-152	0.5	-150	0.65	
2 500 - 2 520	analogue FS	-152	0.5	-152	0.5	
	digital FS	-152	0.5			25
	other terrestrial services (NOTE 4)	-152	0.5	-152	0.5	
2 520 - 2 535	analogue FS	-160	0.75	-152	0.5	
	digital FS	-160	0.75			25
	other terrestrial services (NOTE 4)	-160	0.75	-152	0.5	

NOTE 1 – The calculation of FDP (fractional degradation in performance) is contained in section 2.1, using reference FS parameters contained in sections 2.2.1 and 2.2.3.

NOTE 2 – The following formula should be used for deriving the coordination threshold in terms of power flux-density:

$P \text{ dB(W/m}^2\text{/4 kHz)}$	for $0^\circ \leq \delta \leq 5^\circ$
$P + r(\delta-5) \text{ dB(W/m}^2\text{/4 kHz)}$	for $5^\circ < \delta < 25^\circ$
$P + 20r \text{ dB(W/m}^2\text{/4 kHz)}$	for $25^\circ \leq \delta \leq 90^\circ$

where δ is the angle of arrival (degrees).

The threshold values are obtained under assumed free-space propagation conditions.

NOTE 3 – The coordination threshold in the band 2 160 - 2 270 MHz (Region 2) and 2 170 - 2 200 MHz (all regions) to protect other terrestrial services does not apply to the terrestrial component of the Future Public Land Mobile Telecommunication Systems (FPLMTS), as the satellite and the terrestrial components are not intended to operate in the same area or on common frequencies within these bands.

NOTE 4 – The coordination threshold factors applicable to other terrestrial services may be reviewed at a future conference, as necessary.

A2.1.2.3.2 A system-specific methodology (SSM) to be used in determining the need for detailed coordination of NGSO MSS (space-to-Earth) systems with fixed service systems

The purpose of the system-specific methodology (SSM) is to allow a detailed assessment of the need to coordinate frequency assignments to non-GSO MSS space stations (space-to-Earth) with frequency assignments to receiving stations in an FS network of a potentially affected administration. The SSM takes into account specific characteristics of the non-GSO MSS system and reference FS characteristics.

Those administrations planning to establish the need for coordination between non-geostationary-satellite networks in the mobile-satellite service and fixed service systems are encouraged to use Recommendation ITU-R IS.1143. While urgent additional development work is being undertaken in the ITU-R to facilitate the use of the methodology described in Recommendation ITU-R IS.1143, administrations may be able to effect coordination by applying this system-specific methodology.

A2.1.3 Above 3 GHz

In the band 15.45 - 15.65 GHz, when an administration proposes to use a non-geostationary space station whose emissions exceed -146 dB(W/m²/MHz) for all angles of arrival, it shall coordinate with affected administrations.

A2.2 Hard limits

A2.2.1 Sharing between feeder links of the non-GSO MSS (space-to-Earth) and terrestrial services in the same frequency bands

The power flux-density at the Earth's surface produced by space stations of the fixed-satellite service operating in the space-to-Earth direction in the band 5 150 - 5 216 MHz shall in no case exceed -164 dB(W/m²) in any 4 kHz band for all angles of arrival.

Frequency band	Service	Limit in dB(W/m ²) for angle of arrival above the horizontal plane			Reference bandwidth
		0° - 5°	5° - 25°	25° - 90°	
6 700 - 6 825 MHz	Fixed-Satellite (S-E)	-137 ⁷	-137 + 0.5 (δ-5)	-127	1 MHz
6 825 - 7 075 MHz	Fixed-Satellite (S-E)	-154	-154 + 0.5 (δ-5)	-144	4 kHz
		-134	-134 + 0.5 (δ-5)	-124	1 MHz

MOD

Emissions from a non-geostationary space station shall not exceed the power flux-density limits at the Earth's surface of -146 dB(W/m²/MHz) in the bands 15.4 - 15.45 GHz and 15.65 - 15.7 GHz, and -111 dB(W/m²/MHz) in the band 15.45 - 15.65 GHz for all angles of arrival. These limits relate to the power flux-density which would be obtained under assumed free-space propagation conditions.

2577

(7) Power flux-density limits between 17.7 GHz and 27.5 GHz.

WARC-92

2578

a) The power flux-density at the Earth's surface produced by emissions from a space station, including emissions from a reflecting satellite, for all conditions and for all methods of modulation, shall not exceed the following values:

-115 dB(W/m²) in any 1 MHz band for angles of arrival between 0 and 5 degrees above the horizontal plane;

-115 + 0.5(δ-5) dB(W/m²) in any 1 MHz band for angles of arrival δ between 5 and 25 degrees above the horizontal plane;

-105 dB(W/m²) in any 1 MHz band for angles of arrival between 25 and 90 degrees above the horizontal plane.

These limits relate to the power flux-density which would be obtained under assumed free-space propagation conditions.

S21.16.6

⁶ In the bands [18.8 - 19.3] and [19.2 - 19.7 GHz] for non-geostationary satellite systems, these values shall apply subject to review by the ITU-R and the results of this review should be considered by WRC-97 (see Resolution COM5-1, WRC-95).

A2.2.2 Power flux-density limits produced by non-GSO MSS feeder links with respect to the GSO orbit

In the frequency bands 6 700 - 7 075 MHz, the maximum aggregate power flux-density produced at the GSO and including $\pm 5^\circ$ of inclination around the geostationary-satellite orbit by a non-geostationary-satellite system in the fixed-satellite service shall not exceed -168 dB(W/m²) in any 4 kHz band.

A2.2.3 Power flux-density limits produced by the non-GSO FSS in the 20 - 30 GHz band

S21.16.6 ⁶ In the band [19.2 - 19.7] for non-GSO satellite systems, these values shall apply subject to review by the ITU-R and the results of this review should be considered by WRC-97 (see Resolution PLEN-1 WRC-95).

The power flux-density at the Earth's surface produced by emissions from a space station shall not exceed the following values:

-115 dB(W/m²) in any 1 MHz band for angles of arrival between 0 and 5 degrees above the horizontal plane;

-115 + 0.5($\delta - 5$) dB(W/m²) in any 1 MHz band for angles of arrival δ between 5 and 25 degrees above the horizontal plane;

-105 dB(W/m²) in any 1 MHz band for angles of arrival between 25 and 90 degrees above the horizontal plane.

These limits relate to the power flux-density which could be obtained under assumed free-space propagation conditions.

A2.3 Coordination areas for mobile earth stations operating below 3 GHz and earth stations providing feeder links for non-geostationary satellites operating in the mobile-satellite service and for non-GSO FSS earth stations

A2.3.1 Objectives

In order to apply the provisions of Sections III and IV, paragraphs 3.1 and 4.1 of the Annex 1 to Resolution 46 (WRC-95), this Section specifies the coordination area (see No. [165]) for mobile earth stations as well as earth stations providing feeder links for non-geostationary-satellite networks operating in the mobile-satellite service. In both cases, the coordination contour (see No. [166]) associated with the coordination area is drawn to scale on an appropriate map in order to depict the coordination area and the extent to which it overlaps the territory of administrations that may be affected. Tables 1-3 specify coordination distances (see No. [167]) for certain frequency sharing situations and frequency bands in which the provisions of Resolution 46 (WRC-95) are applied. Table 4 applies to non-GSO FSS earth stations.

The coordination area of a mobile earth station is determined as the service area in which it is intended to operate typical earth stations, extended in all directions by the coordination distance. Tables 1 and 2 specify coordination distances for mobile earth stations operating below 1 GHz and in the 1 - 3 GHz frequency range, respectively. In the case of feeder-link earth stations, the coordination contour is determined as the end points of coordination distances measured from the earth station location. Coordination distances for feeder-link earth stations operating below 1 GHz are specified in Table 1. Coordination distances for feeder-link earth stations operating above 5 GHz are specified in Table 3 with respect to stations in terrestrial services and, where applicable, earth stations of other satellite networks operating in the opposite direction of transmission.

A2.3.2 General considerations

Two types of coordination distances are specified in Tables 1-4: 1) predetermined distances, and 2) distances that are to be calculated on a case-by-case basis, taking into account specific parameters of the earth station for which the coordination area is being determined. Neither of these distances indicate required separation distances.

It must be emphasized that the presence or installation of another station within the coordination area of an earth station would not necessarily preclude the satisfactory operation of either the earth station or the other station, since coordination distances are based on the most unfavourable case assumptions as regards interference.

The different coordination distances may be reviewed at a future conference conforming to the relevant Resolution.

TABLE 1

Earth stations operating at frequencies below 1 GHz

Frequency Sharing Situation		Coordination Distance (In sharing situations involving services allocated with equal rights)
Frequency band and earth station for which coordination area is determined	Other service or station (station in terrestrial service)	
148.0 - 149.9 MHz ground-based (mobile)	ground-based stations	As determined using Equation (1) and Figure 1 of Recommendation ITU-R M.[8/1035] In this case, the coordination distance is calculated by the administration of the terrestrial station using the parameters of its terrestrial stations and the relevant parameters taken from the advance publication for the earth station.
400.15 - 401 MHz ground-based	meteorological aids (radiosonde)	582 km
All bands below 1 GHz ground-based	mobile (aircraft)	500 km
All bands below 1 GHz aircraft (mobile)	ground-based stations	500 km
400.15 - 401 MHz aircraft (mobile)	meteorological aids (radiosonde)	1 082 km
All bands below 1 GHz aircraft (mobile)	mobile (aircraft)	1 000 km

TABLE 2

Earth stations operating at frequencies in the 1 - 3 GHz range

Frequency Sharing Situation		Coordination Distance (In sharing situations involving services allocated with equal rights)
Frequency band and earth station for which coordination area is determined	Other service or station (station in terrestrial service or earth station)	
ground-based mobile (NOTE 1) (GSO network)	ground-based stations in terrestrial services	Determined using Recommendation ITU-R IS.847 with the parameters specified therein for terrestrial stations and all applicable equations and figures.
ground-based mobile (NOTE 1) (non-GSO network)	ground-based stations in terrestrial services	The methodology of Recommendation ITU-R IS.849 is applied in conjunction with Recommendation ITU-R IS.847 (see above).
1 675 - 1 700 MHz ground-based mobile	meteorological aids (radiosonde)	582 km
All bands, 1 - 3 GHz ground-based mobile	terrestrial mobile (aircraft)	500 km
All bands aircraft (mobile)	ground-based stations in terrestrial services	500 km
1 675 - 1 700 MHz aircraft (mobile)	meteorological aids (radiosonde)	1 082 km
All bands aircraft (mobile)	terrestrial mobile (aircraft)	1 000 km

NOTE 1 – Recommendation ITU-R IS.847 supplies the necessary terrestrial station parameters for the bands 1 492 - 1 530 MHz, 1 555 - 1 559 MHz, 1 610 - 1 645.5 MHz, 1 646.5 - 1 660 MHz, 1 675 - 1 710 MHz, [1 970 - 2 010 MHz, 2 160 - 2 200 MHz], 2 483.5 - 2 520 MHz, and 2 655 - 2 690 MHz.

TABLE 3

Non-GSO MSS feeder-link earth stations

Frequency Sharing Situation		Coordination Distance (In sharing situations involving services that are allocated with equal rights)
Frequency band and earth station for which coordination area is determined	Other service or station (station in terrestrial service or earth station)	
[19.2 - 19.7 GHz and 29 - 29.5 GHz] earth station operating co-directionally with other earth stations	ground-based stations in terrestrial services	Determined using Recommendation ITU-R IS.847 with the parameters specified therein for terrestrial stations and all applicable equations and figures.
Bands in which the FSS is already allocated; earth station operating in opposite direction	ground-based stations in terrestrial services	A) [19.2 - 19.7 GHz]: [170 km]; B) 6 700 - 7 075 MHz: 300 km.
All bands and earth stations	terrestrial mobile (aircraft)	500 km
Bands in which the FSS is already allocated; earth station operating in opposite direction	earth station operating in opposite direction of transmission	A) [19.2 - 19.7 GHz]: [170 km]; B) 6 700 - 7 075 MHz: 300 km.

TABLE 4
Non-GSO MSS earth stations

Frequency Sharing Situation		Coordination Distance (In sharing situations involving services that are allocated with equal rights)
Frequency band and earth station for which coordination area is determined	Other service or station (station in terrestrial service or earth station)	
[18.8 - 19.3 GHz and 28.6 - 29.5 GHz] earth station operating co-directionally with other earth stations	ground-based stations in terrestrial services	Determined using Recommendation ITU-R IS.847 with the parameters specified therein for terrestrial stations and all applicable equations and figures.
Bands in which the FSS is already allocated; earth station operating in opposite direction	ground-based stations in terrestrial services	A) [18.8 - 19.3 GHz]: [170 km]; B) 6 700 - 7 075 MHz: 300 km.
Bands in which the FSS is already allocated; earth station operating in opposite direction	earth station operating in opposite direction of transmission	A) [18.8 - 19.3 GHz]: [170 km]; B) [6 700 - 7 075 MHz]: 300 km.

INTERNATIONAL TELECOMMUNICATION UNION

**WRC-95**WORLD
RADIOCOMMUNICATION
CONFERENCE**Document 302-E**
14 November 1995

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

B.13**PLENARY MEETING**THIRTEENTH SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following texts are submitted to the Plenary Meeting for **first reading**:

Source	Document	Title
COM 4	275	Resolution 35 Resolution 103
	269	Resolution 329 (Rev.Mob-87) Resolution 332 (Rev.Mob-87)
	293	Resolution 13 (Rev.WRC-95) Resolution 21 (Rev.WRC-95)
COM 5	282	Resolution 212 (Rev.WRC-95)
WG-PL	291	Resolution GT PLEN-3 Resolution GT PLEN-4 Resolution GT PLEN-5 Resolution GT PLEN-6 Recommendation GT-PLEN-B

A.-M. NEBES
Chairman of Committee 6**Annex: 18 pages**

B.13/1

SUP

RESOLUTION 35

SUP

RESOLUTION 103

SUP

RESOLUTION 329 (MOB-87)

SUP

RESOLUTION 332 (MOB-87)

RESOLUTION 13 (REV.WRC-95)

**FORMATION OF CALL SIGNS AND ALLOCATION
OF NEW INTERNATIONAL SERIES**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) the adoption by this Conference of Article **S19** and Appendix **S42**;
- b) the increasing demand for call signs justified by the increased number of Members of the Union and by the increased requirements of countries which are already Members,

believing

that call signs already in use should, as far as possible, not be changed,

noting

- a) that the former call sign series formed of three letters, or a figure and two letters, having been exhausted, a new series has been introduced formed of a letter, a figure and a letter; but in no case may the figure be 0 or 1;
- b) that the method mentioned in *noting* a) is not applicable to series beginning with one of the following letters: B, F, G, I, K, M, N, R, W,

resolves

- 1** that the Director of the Radiocommunication Bureau shall continue to urge administrations:
 - 1.1** to make maximum use of the possibilities of the series at present allocated, in order to avoid, as far as possible, further requests;
 - 1.2** to review the call-sign assignments they have already made from their present allocations, with a view to releasing any series and placing them at the disposal of the Union;

2 that the Director shall, upon request, furnish advice to administrations on the means of effecting the greatest economy, which should be the rule, in the use of a series of call signs;

3 that if, nevertheless, before the next competent world radiocommunication conference, it appears that all the possibilities of the present system of forming call signs will be exhausted, the Director shall:

3.1 explore the possibility of extending the present series in accordance with Resolution COM4-3;

3.2 issue a circular-letter:

3.2.1 explaining the position;

3.2.2 urging the administrations to send in their proposals for possible solutions;

4 that, from the information thus submitted, the Director shall prepare a report, together with his comments and suggestions, for submission to the next competent world radiocommunication conference.

RESOLUTION 21 (REV.WRC-95)

**IMPLEMENTATION OF CHANGES IN FREQUENCY ALLOCATIONS
BETWEEN 5 900 kHz AND 19 020 kHz**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that parts of the frequency bands between 5 900 kHz and 19 020 kHz which were previously allocated on an exclusive or shared basis to the fixed and mobile services have been reallocated to the broadcasting service;
- b) that some existing fixed and mobile assignments may need to be removed progressively from those reallocated bands to make way for the broadcasting service;
- c) that the assignments to be removed, termed "displaced assignments", must be reaccommodated in other appropriate frequency bands;
- d) that developing countries may require special assistance from the Bureau, as well as in application of Resolution 22 (WARC-92), in replacing their displaced assignments with appropriate protection;
- e) that procedures already exist in Article S11 of the Radio Regulations that may be used to this effect,

recognizing

the difficulties that administrations and the Bureau might encounter during the period of transition from the previous allocations to those made by the World Administrative Radio Conference (Malaga-Torremolinos, 1992),

resolves

- 1 that the duration of the transition period shall be from 1 April 1992 to 1 April 2007;
- 2 that, as of 1 April 1992, administrations should no longer notify any frequency assignments to stations of the fixed and mobile services in the reallocated bands. Assignments notified in these bands after 1 April 1992 shall bear a symbol to indicate that the finding will be examined by the Bureau as of 1 April 2007 in accordance with the provisions of No. S11.31 of the Radio Regulations;
- 3 that, as of 1 April 1992, the Bureau shall undertake a continuing action to review the Master International Frequency Register with the help of administrations. In this respect, the Bureau shall periodically consult the administrations concerning the frequency assignments to links for which another satisfactory means of telecommunication exists, with a view to either downgrading assignments of class of operation A or deleting such assignments;

4 that administrations shall, for assignments of class of operation A in the reallocated bands, either notify the replacement frequencies to the Bureau or request the Bureau's assistance in selecting the replacement frequencies in application of Articles S7 and S13 of the Radio Regulations;

5 that the Bureau shall develop in due time a draft procedure to be used for the replacement of remaining frequency assignments and shall consult administrations in accordance with Article S14 of the Radio Regulations;

6 that the Bureau should modify the draft procedures taking into account, to the extent practicable, comments received from administrations, and propose replacement assignments at the latest three years before 1 April 2007. In so doing, the Bureau shall request administrations to take appropriate action to bring their assignments in conformity with the Table of Frequency Allocations by the due date;

7 that a replacement frequency assignment whose basic characteristics, with the exception of the assigned frequency, have not been modified in the above process, shall keep its original date. However, if these basic characteristics of a replacement frequency assignment are different from those of the displaced assignment, the replacement assignment shall be treated in accordance with the relevant provisions of Section II of Article S11 of the Radio Regulations,

invites administrations

when seeking reaccommodation of the displaced assignments for their fixed and mobile services in the bands between 5 900 kHz and 19 020 kHz which have been reallocated to the broadcasting service, to make every effort to find replacement assignments in the bands allocated to the fixed and mobile services concerned.

RESOLUTION 212 (REV.WRC-95)

**IMPLEMENTATION OF FUTURE PUBLIC LAND MOBILE
TELECOMMUNICATION SYSTEMS (FPLMTS)**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that the ITU-R has recommended the 1 - 3 GHz band as the most suitable for FPLMTS;
- b) that the ITU-R has recommended approximately 60 MHz for use by personal stations and approximately 170 MHz for use by mobile stations;
- c) that the ITU-R has recognized that space techniques are an integral part of FPLMTS;
- d) that, in No. **746A** of the Radio Regulations, this Conference has identified bands to accommodate this future service,

considering further

- a) that the ITU-R has not completed its studies regarding duplexing methods, modulation techniques, channelling arrangements, signalling or communication protocols;
- b) that no worldwide intersystem numbering plan currently exists that would facilitate worldwide roaming,

noting

- a) that the implementation of the terrestrial components of FPLMTS in the bands 1 885 - 2 025 MHz and 2 110 - 2 200 MHz is expected to commence around the year 2000 subject to market and technical considerations;
- b) that the availability of the satellite component of FPLMTS in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz simultaneously with the terrestrial component of FPLMTS in the bands identified in No. **746A** would improve the overall implementation and the attractiveness of FPLMTS to both developed and developing countries,

invites administrations

to give due consideration to the accommodation of other services currently operating in these bands when implementing FPLMTS,

invites the ITU-R

to continue its studies with a view to developing suitable and acceptable technical characteristics for FPLMTS that will facilitate worldwide use and roaming, and ensure that FPLMTS can also meet the telecommunication needs of the developing countries and rural areas,

invites the ITU-T

- a) to complete its studies of signalling and communication protocols;
- b) to develop a common worldwide intersystem numbering plan and associated network capabilities that will facilitate worldwide roaming,

resolves

that administrations which implement FPLMTS:

- a) should make the necessary frequencies available for system development;
- b) should use those frequencies when FPLMTS are implemented;
- c) should use the relevant international technical characteristics, as identified by the Recommendations of the ITU-R and ITU-T.

RESOLUTION GT PLEN-3

AGENDA FOR THE 1997 WORLD RADIOCOMMUNICATION CONFERENCE

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that in accordance with Nos. 118 and 126 of the Convention of the International Telecommunication Union (Geneva, 1992), and having regard to Resolution 1 of the Additional Plenipotentiary Conference (Geneva, 1992), the general scope of the agenda for a world radiocommunication conference should be established four years in advance and a final agenda shall be established two years before the conference;
- b) Resolution 3 of the Plenipotentiary Conference (Kyoto, 1994);
- c) the relevant resolutions and recommendations of previous world administrative radio conferences (WARC) and world radiocommunication conferences (WRC),

recognizing

that this Conference identified a number of urgent issues requiring further examination by the 1997 World Radiocommunication Conference (WRC-97),

resolves

to recommend to the Council that a World Radiocommunication Conference be held in Geneva in late 1997 for a period of four weeks, with the following agenda:

1 on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-95, to consider and take appropriate action in respect of the following topics:

1.1 requests from administrations to delete their country footnotes or to have their country's name deleted from footnotes, if no longer required, within the limits of Resolution [COM4-1];

1.2 issues arising from the WRC-95 consideration of the VGE Report taking into account the following Resolutions [COM4-3];

1.3 review of Appendix S7 [28] to the Radio Regulations, taking into account Resolution **60 (WARC-79)**, Resolution **712 (Rev.WRC-95)** and Recommendation **711 (WARC-79)**;

1.4 examination of, and taking necessary decisions on, the question of the HF bands allocated to the broadcasting service in the light of developments to date and the results of the studies carried out by the Radiocommunication Sector, and review of Article 17 [S12] of the Radio Regulations in accordance with Resolution [COM4-2] and Resolution [GT PLEN-2];

1.5 based on the results of the studies to be carried out under Recommendation [GT PLEN-B], consider changes to the Radio Regulations, as appropriate;

1.6 matters related to the maritime mobile and maritime mobile-satellite services:

1.6.1 the provisions of Chapters **IX** [Appendix **S13**] and **NIX** [Chapter **SVII**] of the Radio Regulations, as stipulated in Resolution **331 (Mob-87)**, and appropriate action in respect of the issues dealt with in Resolutions **200 (Mob-87)**, **210 (Mob-87)** and **330 (Mob-87)**, including maritime certification and licensing issues related to Chapter **[SIX]** of the Radio Regulations, taking into account that the global maritime distress and safety system (GMDSS) shall be fully implemented in 1999;

1.6.2 the use of Appendix **18 [S18]** to the Radio Regulations in respect of the VHF band for maritime mobile communications, and the use and extension of UHF channels contained in **S5.287**, taking into account Resolution **310 (Mob-87)**;

1.6.3 Article **61 [S53]** of the Radio Regulations relating to the order of priority of communications in the maritime mobile service and in the maritime mobile-satellite service;

1.6.4 review, and if necessary, revision of the provisions related to the NAVTEX coordination in order to release the ITU from the obligation to undertake operational coordination for this service operating on 490 kHz, 518 kHz and 4 209.5 kHz, in the light of the consultations undertaken with the International Maritime Organization (IMO) Resolution [COM4-7];

1.6.5 use of the new digital technology in the maritime radiotelephony channels;

1.7 review of Appendix 8 to the Radio Regulations taking into account Recommendation **66 (Rev.WARC-92)**;

1.8 the possible deletion of all secondary allocations from the band 136 - 137 MHz, which is allocated to the aeronautical mobile (R) service on a primary basis, in accordance with Resolution **408 (Mob-87)** and in order to meet the special needs of the aeronautical mobile (R) service;

1.9 taking into account the needs of other services to which the relevant frequency bands are already allocated:

1.9.1 pressing issues concerning existing and possible additional frequency allocations and regulatory aspects as related to the mobile-satellite and fixed-satellite services including consideration of WRC-95 Resolutions [PLEN-1], [COM5-4, COM5-6, COM5-7, COM5-8, COM5-9, COM5-11], [GT PLEN-6] and Recommendation **717 (Rev.WRC-95)**;

1.9.2 Resolutions **211 (WARC-92)**, **710 (WARC-92)** and Resolution **712 (Rev.WRC-95)**;

1.9.3 Recommendation **621 (WARC-92)**;

1.9.4 frequency allocation issues related to the needs of the earth exploration-satellite service, which are not covered in the above-mentioned Resolutions, namely:

1.9.4.1 allocation of frequency bands above 50 GHz to the earth exploration-satellite (passive) service;

1.9.4.2 frequency allocations near 26 GHz to the earth exploration-satellite service (space-to-Earth);

1.9.4.3 the existing frequency allocations near 60 GHz and, if necessary, their re-allocation, with a view to protecting the earth exploration-satellite (passive) service systems operating in the unique oxygen absorption frequency range from about 50 GHz to about 70 GHz;

1.9.5 allocations to the space research service (space-to-space) near 400 MHz;

1.9.6 the identification of suitable frequency bands above 30 GHz for use by the fixed service for high density applications;

1.10 review of Appendices **30 [S30]** and **30A [S30A]** for Regions 1 and 3 in response to Resolution **524 (WARC-92)**, and taking particular account of *resolves* 2 of that Resolution, in accordance with Resolution [GT PLEN-1] (WRC-95) and taking into account Recommendation [COM4-B];

2 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations which have been communicated by the associated Radiocommunication Assembly, in accordance with Resolution [COM4-5]; and decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex to Resolution [COM4-4];

3 to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the Conference;

4 in accordance with Resolution **94 (WARC-92)**, to review those resolutions and recommendations of world administrative radio conferences and world radiocommunication conferences which are relevant to agenda items 1 and 2 above with a view to their possible revision, replacement or abrogation;

5 to review, and take appropriate action on, the report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention (Geneva, 1992);

6 to identify those items requiring urgent actions by the radiocommunication study groups in accordance with Resolution [GT PLEN-BB];

7 to consider the final report of the Director of the Radiocommunication Bureau on activities related to Resolution **18** (Kyoto, 1994);

8 in accordance with Article 7 of the Convention (Geneva, 1992):

8.1 to consider and approve the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since the last Conference;

8.2 to recommend to the Council items for inclusion in the agenda for the 1999 World Radiocommunication Conference, and to give its views on the preliminary agenda for the 2001 Conference and on possible agenda items for future conferences,

invites the Council

to establish the agenda and make provision for WRC-97 and to initiate as soon as possible the necessary consultation with Members,

instructs the Director of the Radiocommunication Bureau

to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting and to prepare a report to WRC-97,

instructs the Secretary-General

to communicate this Resolution to concerned international and regional organizations.

RESOLUTION GT PLEN-4

**URGENT STUDIES REQUIRED IN PREPARATION FOR THE
1997 WORLD RADIOCOMMUNICATION CONFERENCE**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that the agenda of this Conference included consideration of items for the agendas for the 1997 World Radiocommunication Conference (WRC-97) and for WRC-99;
- b) that items for the agenda for 1997 have been identified in Resolution [GT PLEN-3];
- c) that the 1995 Radiocommunication Assembly established a Special Committee to Address the Review of Regulatory/Procedural Matters, *inter alia*, regulatory issues for WRC-97,

noting

the important progress in ITU-R studies relevant to the preliminary agenda for WRC-97,

resolves

- 1 that ITU-R Task Group 10/5 shall present a report on the progress of studies on Question ITU-R 212/10 to the 1996 Conference Preparatory Meeting (CPM-96);
- 2 that both the ITU-R Special Committee to Address the Review of Regulatory/Procedural Matters and ITU-R Task Group 10/5 shall complete the work identified in Resolution [GT PLEN-2] (WRC-95);
- 3 that ITU-R Working Party 10-11S shall present a report on the progress of studies on Question ITU-R 85-1/11 to CPM-96;
- 4 that both the ITU-R Special Committee to Address the Review of Regulatory/Procedural Matters and Working Party 10-11S shall complete the work identified in Resolution [GT PLEN-1] (WRC-95);
- 5 that the ITU-R shall complete studies on the topics identified in this Resolution and its Annex and report the results of those studies to CPM-97,

instructs

- 1 CPM-96 to take this Resolution into account when planning the work in preparation for WRC-97;
- 2 the Director of the Radiocommunication Bureau to bring this Resolution to the attention of the meeting of ITU-R Study Group Chairmen and Vice-Chairmen.

ANNEX TO RESOLUTION GT PLEN-4

Urgent studies required in preparation for WRC-97

- Sharing studies concerning the possible use of the band 1 675 - 1 710 MHz by the mobile-satellite service, in accordance with Resolution **213 (Rev.WRC-95)**.
- Issues dealing with allocations to space services, in accordance with Resolution **712 (Rev.WRC-95)**.
- Issues relating to frequency sharing between the mobile-satellite service and terrestrial services at frequencies below 3 GHz, in accordance with Recommendation **717 (Rev.WRC-95)**.
- Criteria to be applied for the non-GSO fixed-satellite service sharing situations listed in *considering further* of Resolution [PLEN-1].
- Sharing between the FSS and the FS in the 20 GHz band when used bidirectionally by the FSS to provide feeder links for non-geostationary satellite systems in the mobile-satellite service, in accordance with Resolution [COM5-1].
- Calculation of the power flux-density at the geostationary orbit in the 7 GHz and 13 GHz bands used for feeder links for non-geostationary systems of the mobile-satellite service in the space-to-Earth direction of transmission, in accordance with Resolution [COM5-2].
- Allocation of frequencies to the FSS in the band 15.4 - 15.7 GHz for use as feeder links for non-geostationary-satellite networks operating in the mobile-satellite service, in accordance with Resolution [COM5-4].
- Allocation of frequencies to the fixed-satellite service in the band 15.45 - 15.65 GHz (Earth-to-space) for use as feeder links for non-geostationary satellite networks operating in the mobile-satellite service, in accordance with Resolution [COM5-6].
- Development of interference criteria and methodologies for coordination between feeder links for non-GSO MSS networks and GSO FSS networks in the 20 GHz and 30 GHz bands, in accordance with Resolution [COM5-7].
- Power flux-density level applicable in frequency band 137 - 138 MHz shared by the mobile-satellite service and the terrestrial services, in accordance with Resolution [COM5-5].
- Determination of coordination areas between geostationary and non-geostationary feeder-link earth stations of different administrations operating in opposite directions of transmission, in accordance with Recommendation [COM5-B].
- Sharing studies concerning the use of the bands below 1 GHz by the non-GSO mobile-satellite service, in accordance with Resolution [COM5-8].

- Sharing between the radionavigation-satellite service and the mobile-satellite service in the bands 149.9 - 150.5 MHz and 399.9 - 400.5 MHz, in accordance with Resolution [COM5-9].
- Allocation of frequencies to the fixed-satellite service (Earth-to-space) in the band 15.45 - 15.65 GHz for use for feeder links for non-geostationary-satellite networks operating in the mobile-satellite service, in accordance with Resolution [COM5-6].
- Flexible and efficient use of the radio spectrum by the fixed and some mobile services in the MF and HF bands using block allocations for adaptive systems, in accordance with Recommendation [GT PLEN-B].
- Simplification of Article 17 of the Radio Regulations, in accordance with Resolution [COM4-2].
- Further studies concerning application of Article S19 (Identification of Stations), in accordance with Resolution [COM4-3].
- References to ITU-R Recommendations in the Radio Regulations, in accordance with Resolution [COM4-4].
- Consideration of certain operational matters concerning the Radio Regulations in the aeronautical mobile and maritime mobile services, in accordance with Resolution [COM4-8].
- Principles for the allocation of frequency bands, in accordance with Recommendation [COM4-A].
- Coordination process between mobile-satellite systems, in accordance with Resolution [GT PLEN-6].
- Use of the frequency bands near 2 GHz by the fixed- and mobile-satellite services and associated transition arrangements, in accordance with Resolution [COM5-10].

RESOLUTION GT PLEN-5

**PRELIMINARY AGENDA FOR THE 1999 WORLD
RADIOCOMMUNICATION CONFERENCE**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that in accordance with Nos. 118 and 126 of the Convention of the International Telecommunication Union (Geneva, 1992), the general scope of the agenda for the 1999 World Radiocommunication Conference (WRC-99) should be established four years in advance;
- b) Article 13 of the Constitution of the International Telecommunication Union (Geneva, 1992) regarding the competence and scheduling of world radiocommunication conferences and Article 7 of the Convention (Geneva, 1992) regarding their agendas;
- c) the relevant resolutions and recommendations of previous world administrative radio conferences and world radiocommunication conferences,

resolves to give the view

that the following items should be included in the preliminary agenda of WRC-99, to be held in late 1999:

- 1 to take appropriate action in respect of those urgent issues that were specifically requested by the 1997 World Radiocommunication Conference (WRC-97);
- 2 on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-97, to consider and take appropriate action in respect of the following topics:
 - 2.1 requests from administrations to delete their country footnotes or to have their country's name deleted from footnotes, if no longer required, taking into account Resolution [COM4-1];
 - 2.2 consideration of Article S25 concerning the amateur and amateur-satellite services;
 - 2.3 examination of the adequacy of the frequency allocations for HF broadcasting from about 4 MHz to 10 MHz taking into account the planning procedures, if any, adopted by WRC-97 and the needs of other existing services;
 - 2.4 review of the channel arrangements in HF bands for the maritime mobile service, taking into account the use of new digital technology;
 - 2.5 definition of a new category of orbit, namely the quasi-geostationary orbit, to be considered as falling under the regulations applicable to the geostationary orbit and not to the non-geostationary orbits;

- 3 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations which have been communicated by the associated radiocommunication assembly in accordance with Resolution [COM4-5] and decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in Annex to Resolution [COM4-4];
- 4 to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the Conference;
- 5 in accordance with Resolution **94 (WARC-92)**, to review those resolutions and recommendations of world administrative radio conferences and world radiocommunication conferences which are relevant to agenda items 1 and 2 above, with a view to their possible revision, replacement or abrogation;
- 6 to review, and take appropriate action on, the report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention (Geneva, 1992);
- 7 to identify those items requiring urgent action by the radiocommunication study groups in accordance with Resolution [...];
- 8 in accordance with Article 7 of the Convention (Geneva, 1992):
 - 8.1 to consider and approve the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since the last conference;
 - 8.2 to recommend to the Council items for inclusion in the agenda for the 2001 World Radiocommunication Conference, and to give its views on the preliminary agenda for the 2003 Conference and on possible agenda items for future conferences,

invites the Council

to consider the views given in this Resolution,

instructs the Director of the Radiocommunication Bureau

to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting and to prepare a report to WRC-99,

instructs the Secretary-General

to communicate this Resolution to concerned international and regional organizations.

RESOLUTION GT PLEN-6

**COORDINATION PROCESS AMONG NON-GEOSTATIONARY
MOBILE-SATELLITE SYSTEMS**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that space-to-Earth transmissions of non-geostationary (non-GSO) mobile-satellite systems are constrained to limit their power flux-density over areas where the frequency band is shared with terrestrial systems;
- b) that a number of proposed non-GSO mobile-satellite systems can provide a good service to users within the power flux-density limits given in [Table **AR28bis**];
- c) that when maximum communication capacity is achieved by non-GSO systems in the mobile-satellite service a major portion of the interference into each of these systems will come from the other mobile-satellite systems sharing the frequency band, and, consequently, if one system starts to transmit at higher power, all others need to do the same in order to overcome mutual interference;
- d) that the ITU-R is studying the efficient use of the radio spectrum and frequency sharing within the mobile-satellite service, that Recommendations ITU-R M.1186 and M.1187 are a basis for further study, and that additional preliminary texts are available or can be provided by administrations on this matter,

recognizing

that, as a means to ensure that the frequency bands allocated to the mobile-satellite service can be used in an efficient manner, there is an urgent demand for:

- 1 criteria to be established by the ITU-R to be used in determining the need to coordinate between mobile-satellite systems; and
- 2 detailed methods of interference calculation to be used by administrations in the coordination process,

resolves to invite the ITU-R

to continue its studies on this subject and develop, as a matter of urgency, criteria for determining the need to coordinate and calculation methods for determining levels of interference, as well as the required protection ratios between networks in the mobile-satellite service,

invites the Council

to include this Resolution in the agenda of WRC-97 in order that that Conference consider the results of these studies and take such action as may be appropriate with a view to achieving an efficient use of the spectrum.

RECOMMENDATION GT PLEN-B

**THE FLEXIBLE AND EFFICIENT USE OF THE RADIO SPECTRUM BY FIXED
AND SOME MOBILE SERVICES IN THE MF AND HF BANDS
USING BLOCK ALLOCATIONS FOR ADAPTIVE SYSTEMS**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that the 1997 World Radiocommunication Conference (WRC-97) is recommended to consider improvements in the regulation and frequency management of the fixed service and of some of the mobile services in the frequency range between about 1.6 and 28 MHz;
- b) that No. 339 [S4.1] of the Radio Regulations requires, *inter alia*, that Members shall endeavour to limit the number of frequencies and the spectrum space used to the minimum essential and to apply the latest technical advances as soon as possible;
- c) that HF fixed and mobile services are meeting increasing congestion and interference;
- d) that new frequency management techniques are becoming available, employing newly available equipment techniques which could improve the spectrum utilization and quality of systems operating at HF,

noting

that Question ITU-R [XC/1A] is being studied by ITU-R Study Group 1,

recognizing

that further studies are essential to permit the introduction of frequency agile equipment coupled with the power of digital signal processing for frequency control and error-correction techniques,

instructs the Director of the Radiocommunication Bureau

to ensure, in consultation with the study group Chairmen, that the studies now in hand are completed as a matter of urgency and in time for WRC-97,

recommends

that administrations participate actively in these studies.

INTERNATIONAL TELECOMMUNICATION UNION

**WRC-95**WORLD
RADIOCOMMUNICATION
CONFERENCE**Document 303-E**
15 November 1995GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

B.14**PLENARY MEETING**FOURTEENTH SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following texts are submitted to the Plenary Meeting for **first reading**:

Source	Document	Title
COM 4	269	Resolution COM4-6
		Resolution COM4-7
	293	Resolution COM4-8
COM 5	282	Resolution COM5-10
		Resolution COM5-11

A.-M. NEBES
Chairman of Committee 6**Annex:** 10 pages

RESOLUTION COM4-6

**CONDITIONS FOR RECOMMENCING THE PROCEDURES FOR THE ADVANCE
PUBLICATION OF INFORMATION**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that No. **S9.2** of the simplified Radio Regulations requires that the advance publication procedure will need to be applied and in one case recommenced as a result of a change to either one or two parameters;
- b) it may be appropriate for both non-geostationary-satellite-orbit NGSO and geostationary-satellite-orbit GSO systems to have a very limited extension of this set of parameters;
- c) that this possible list of parameters requires more study,

resolves to invite the Radiocommunication Bureau

1 in cooperation with the relevant ITU-R study groups and Special Committee on regulatory/procedural matters, to investigate:

- what parameters might require a new advance publication;
- what significant changes to these parameters would require a new advance publication;

2 to present the results of its investigations to the Conference Preparatory Meeting for WRC-97.

RESOLUTION COM4-7

COORDINATION OF NAVTEX SERVICES

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that the Voluntary Group of Experts (VGE) has suggested that, in the interests of simplification, this Conference may decide that it is no longer necessary for the ITU to continue frequency coordination of NAVTEX services in addition to the operational coordination undertaken by the International Maritime Organization (IMO);
- b) that the IMO has established a Coordinating Panel on NAVTEX to, *inter alia*, coordinate the operational aspects of NAVTEX services in the planning stages for transmissions on the frequencies 490 kHz, 518 kHz or 4 209.5 kHz;
- c) that coordination in the frequencies 490 kHz, 518 kHz and 4 209.5 kHz is essentially operational;
- d) that consideration should be given to an effective means of publishing and recording information on frequency assignments for NAVTEX services, if the ITU no longer undertakes coordination of NAVTEX services,

resolves

- 1 to abrogate the current Article 14A of the Radio Regulations with immediate effect and to replace the related procedures with those contained in the Annex to this Resolution;
- 2 that the procedures in the Annex to this Resolution may also be applied for coordinating the use of the frequency 4 209.5 kHz for NAVTEX-type transmissions as well as for the use of the frequency 490 kHz, when it becomes available for NAVTEX-type transmissions;

- 3 to propose the inclusion of the following item in the agenda of WRC-97:

"to review and, if necessary, revise the provisions relating to NAVTEX coordination in order to release the ITU from the obligation to undertake operational coordination for this service operating on 490 kHz, 518 kHz and 4 209.5 kHz, in the light of the consultations undertaken with the International Maritime Organization (IMO)."

instructs the Secretary-General

to arrange for the necessary consultations with IMO and report the results to WRC-97 to enable it to decide on this item.

ANNEX TO RESOLUTION COM4-7

MOD

**Procedure to be applied by Administrations and the Radiocommunication Bureau
to coordinate the planned use of the frequency 518 kHz for the transmission by
coast stations of navigational and meteorological warnings and urgent
information to ships by means of automatic narrow-band
direct-printing telegraphy (International NAVTEX System)**

§ 1. (1) Before an administration notifies to the Bureau a frequency assignment to a coast station for the transmission of navigational and meteorological warnings and urgent information to ships by means of automatic narrow-band direct-printing telegraphy, it shall coordinate the assignment with any other administration with an assignment in the same frequency band which might be affected.

(2) To this effect, the administration shall communicate to the Bureau, not earlier than one year before the proposed date of bringing the assignment into use, the information listed in Section A of Appendix 1 or Appendix S4, as appropriate, together with the following additional characteristics:

- a) the B1 character (transmitter coverage area identifier) to be used by the coast station;
- b) the regular transmission schedule assigned to the station;
- c) the duration of transmissions;
- d) the ground-wave coverage area of the transmission.

(3) The administration shall also indicate the results of any coordination¹ already effected in relation with the projected use.

¹ Administrations are strongly recommended to coordinate the above characteristics in accordance with the procedures of the International Maritime Organization (IMO).

(4) In order to enable the procedure to be completed in good time before notification under No. 1214 or S11.2, as appropriate, the administrations should communicate the above information not later than six months before the proposed date of bringing the assignment into use.

§ 2. In cases where the Bureau finds that a basic characteristic or any of the additional characteristics is missing, it shall return the request by airmail, stating the reason, unless the information not provided is immediately forthcoming in response to an enquiry of the Bureau.

§ 3. The Bureau shall examine the proposed use with respect to assignments to stations of other services to which the band 517.5 - 518.5 kHz is allocated, notified under No. 1214 or S11.2, as appropriate, at an earlier date, and shall identify the administrations whose assignments are likely to be affected.

§ 4. The Bureau shall, within 45 days of the receipt of the complete information, publish it in a special section of its weekly circular indicating any coordination already effected and the names of administrations identified in application of § 3 above. The Bureau shall communicate a copy of this publication to the International Maritime Organization (IMO), the International Hydrographic Organization (IHO), and the World Meteorological Organization (WMO), requesting them to communicate to the administrations concerned, with a copy to the Bureau, any information which may assist in reaching agreement on coordination.

§ 5. On expiry of a period of four months from the date of publication of the information in the special section, the administration responsible for the assignment should notify it to the Bureau in accordance with No. **1214** or **S11.2**, as appropriate, indicating the names of administrations with which agreement has been reached and those which have signified their disagreement.

§ 6. Upon receipt of the notice, the Bureau shall request those administrations named in the special section which have not communicated their agreement or disagreement with respect to the proposed use to signify within a period of 30 days their decision on the matter.

§ 7. An administration which does not reply to the Bureau's request made under § 6 above or fails to signify a decision on the matter shall be deemed to have undertaken:

- a) that no complaint will be made in respect of any harmful interference which may be caused to its stations by the proposed use;
- b) that its stations will not cause harmful interference to the proposed use.

§ 8. When examining the proposed use in accordance with Article **12** or Article **S11** as appropriate, the Bureau shall apply the provisions of No. **1245** as long as they are in force, except with respect to those assignments for which the administration responsible has signified its disagreement with respect to the proposed use.

§ 9. The Bureau shall examine the notified assignments in accordance with No. **1241**, as long as they are in force, on the basis of its technical standards and shall record them in accordance with the pertinent provisions of Article **12** or Article **S11**, as appropriate. The recording shall contain symbols reflecting the result of the application of this procedure.

§ 10. The Bureau shall, at appropriate intervals, update and publish the data referred to in § 5 above in a special list in an appropriate format.

RESOLUTION COM4-8

**CONSIDERATION OF CERTAIN OPERATIONAL MATTERS CONCERNING
THE RADIO REGULATIONS IN THE AERONAUTICAL MOBILE
AND MARITIME MOBILE SERVICES***

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that its decision regarding the recommendations proposed by the Voluntary Group of Experts has resulted in a considerable simplification of the Radio Regulations;
- b) that the Radio Regulations contain various provisions, in particular for the aeronautical mobile and maritime mobile services, which mainly relate to the operational aspects of these services;
- c) that ICAO and IMO have already in place internationally recognized operational provisions pertaining to the aeronautical mobile and the maritime mobile services,

recognizing

that the relevant provisions in the Radio Regulations may be better defined in close collaboration with those organizations,

recognizing also

that the regulatory instruments of ICAO, IMO and ITU have different legal foundations and status in such areas as membership, legal status of regulatory instruments, scope of aeronautical mobile and maritime mobile services, and implications for administrations,

resolves to instruct the Secretary-General

- [1 to arrange for appropriate studies within ITU, in consultation with ICAO and IMO in order to identify the provisions in the Radio Regulations, particularly with respect to Chapters **SVIII** and **SIX**, which specify operational procedures affecting only the aeronautical mobile and maritime mobile services;]
- 2 to investigate the legal issues raised by the differences between ICAO, IMO and ITU as mentioned in *recognizing also* above;
- 3 to report on the progress of this work to the 1997 World Radiocommunication Conference;
- 4 to bring this Resolution to the attention of ICAO and IMO.

* This Resolution refers to the aeronautical mobile and the maritime mobile services as well as to the aeronautical mobile-satellite and the maritime mobile-satellite services.

RESOLUTION COM5-10

**USE OF THE FREQUENCY BANDS 1 980 - 2 010 MHz AND 2 170 - 2 200 MHz IN ALL
THREE REGIONS AND 2 010 - 2 025 MHz AND 2 160 - 2 170 MHz IN REGION 2
BY THE FIXED- AND MOBILE-SATELLITE SERVICES AND
ASSOCIATED TRANSITION ARRANGEMENTS**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that the use of the frequency bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in all three Regions and 2 010 - 2 025 MHz and 2 160 - 2 170 MHz in Region 2 by the mobile-satellite service (MSS) is subject to a date of entry into force of 1 January 2000;
- b) that these bands are shared with the fixed and mobile¹ services on a primary basis and that they are widely used by the fixed service in many countries;
- c) that the studies made have shown that, while sharing of the MSS with the fixed service in the short to medium term would be generally feasible, in the long term sharing will be complex and difficult in both bands, so that it would be advisable to transfer the fixed service stations operating in the bands in question to other segments of the spectrum;
- d) that for many developing countries, the use of the 2 GHz band offers a substantial advantage for their radiocommunication networks and that it is not attractive to transfer these systems to higher frequency bands because of the economic consequences that this would entail;
- e) that in response to Resolution 113 (WARC-92) the ITU-R has developed a new frequency plan for the fixed service in the 2 GHz band, set out in Recommendation ITU-R F.1098 which will facilitate the introduction of new fixed-service systems in band segments that do not overlap with the above-mentioned MSS allocations at 2 GHz;
- f) that sharing between fixed-service systems using tropospheric scatter and Earth-to-space links in the MSS in the same frequency band segments is generally not feasible;
- g) that some countries utilize these bands in application of Article 48 of the Constitution of the International Telecommunication Union,

¹ This Resolution does not apply to the mobile service. In this respect, the use of these bands by the mobile-satellite service is subject to coordination with the mobile service under No. [S9.11bis].

recognizing

- a) that WARC-92 identified the bands 1 885 - 2 025 MHz and 2 110 - 2 200 MHz for worldwide use by FPLMTS, the satellite component being limited to the frequencies 1 980 - 2 010 and 2 170 - 2 200 MHz, and that the development of FPLMTS can offer great potential in helping the developing countries develop more rapidly their telecommunications infrastructure;
- b) that in Resolution **22 (WARC-92)**, "Assistance to the Developing Countries to Facilitate the Implementation of Changes in Frequency Band Allocations Which Necessitate the Transfer of Existing Assignments", WARC-92 resolved to request the Telecommunication Development Bureau (BDT), when formulating its immediate plans for assistance to the developing countries, to consider the introduction of specific modifications in the radiocommunication networks of the developing countries and that a future world development conference should examine the needs of developing countries and should assist them with the resources needed to implement the required modifications to their radiocommunication networks,

resolves

- 1** to request administrations to notify to the Radiocommunication Bureau the basic characteristics of frequency assignments to existing or planned fixed stations requiring protection, or those typical² of existing and planned fixed stations brought into use before 1 January 2000 in the frequency bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in all three Regions and 2 010 - 2 025 MHz and 2 160 - 2 170 MHz in Region 2;
- 2** that administrations proposing to bring an MSS system into service must take account of the fact that, when coordinating their system with administrations having terrestrial services, such administrations may have existing or planned installations covered by Article **48** of the Constitution;
- 3** that in respect of stations of the fixed service taken into account in the application of Resolution **46**, administrations responsible for MSS networks operating in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in all three Regions and 2 010 - 2 025 MHz and 2 160 - 2 170 MHz in Region 2 shall ensure that unacceptable interference is not caused to fixed service stations notified and brought into use before 1 January 2000;
- 4** that to facilitate the introduction and future use of the 2 GHz bands by the MSS:
 - 4.1** administrations are urged to ensure that frequency assignments to new fixed service systems, to be brought into operation after 1 January 2000, do not overlap with the 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in all three Regions and 2 010 - 2 025 MHz and 2 160 - 2 170 MHz in Region 2 MSS allocations, for example by using the channel plans of Recommendation ITU-R F.1098;

² With respect to the notification of frequency assignments to stations in the fixed and mobile services, the characteristics of typical stations may be notified in accordance with No. [S11.17 (1223)] without restriction up until 1 January 2000.

4.2 administrations are urged to take all practicable steps to phase out troposcatter systems operating in the band 1 980 - 2 010 MHz in all three Regions and 2 010 - 2 025 MHz in Region 2 by 1 January 2000. New troposcatter systems shall not be brought into operation in these bands;

4.3 administrations are encouraged, where practicable, to draw up plans for the gradual transfer of the frequency assignments to their fixed service stations in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in all three Regions and 2 010 - 2 025 MHz and 2 160 - 2 170 MHz in Region 2 to non-overlapping bands, giving priority to the transfer of their frequency assignments in the band 1 980 - 2 010 MHz in all three Regions and 2 010 - 2 025 MHz in Region 2, considering the technical, operational and economical aspects;

5 that administrations responsible for the introduction of mobile-satellite systems should take into account the concerns of affected countries, especially developing countries, to minimize the possible economic impact of transition measures in respect to existing systems;

6 to invite the Radiocommunication Bureau to provide assistance to developing countries requesting it for the introduction of specific modifications to their radiocommunication networks that will facilitate their access to the new technologies being developed in the 2 GHz band as well as in all coordination activities;

7 that administrations responsible for the introduction of mobile-satellite systems urge their mobile-satellite system operators to participate in the protection of terrestrial fixed services especially in the least developed countries,

requests

1 the ITU-R to conduct, as a matter of urgency, further studies, in conjunction with the Radiocommunication Bureau, to:

1.1 develop and provide to administrations the necessary tools in a timely manner to assess the impact of interference in the detailed coordination of mobile-satellite systems;

1.2 develop the necessary planning tools as soon as possible to assist those administrations considering a replanning of their terrestrial fixed networks in the 2 GHz range;

2 the Telecommunication Development Sector to evaluate, as a matter of urgency, the financial and economic impact on the developing countries of the transfer of fixed services, and to present its results to a future competent WRC and/or WDC,

instructs the Director of the Radiocommunication Bureau

to submit a report on the implementation of this Resolution to world radiocommunication conferences.

RESOLUTION COM5-11

**REVIEW OF ALLOCATIONS TO THE MOBILE-SATELLITE
SERVICE IN THE 2 GHz RANGE**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that, in the Report of the Conference Preparatory Meeting (CPM-95), it was noted that over 250 mobile-satellite networks have undergone advance publication, coordination or notification to ITU in the 1 - 3 GHz range;
- b) that in the Report of the CPM-95 it is estimated, based on the information available to the CPM, that the minimum and likely spectrum requirements for the global mobile-satellite service (MSS) will range from 150 MHz to 300 MHz by the year 2005;
- c) that this Conference has adopted an additional allocation for Region 2 in the 2 GHz range to MSS and has developed Resolution [COM5-10] on use of the 2 GHz bands and associated transitional arrangements;
- d) that administrations have varying uses of spectrum in the 2 GHz range, including in those bands allocated to the MSS, and that such use could lead to difficulty in coordination and sharing with the MSS;
- e) that the situation described in *considering* d) above may lead to a shortfall of usable MSS spectrum and to inefficient use of spectrum that is available;
- f) that in the long term it may be desirable, if further studies and consideration indicate such a necessity, to obtain common worldwide MSS allocations,

recognizing

- a) that many administrations have long-term requirements to use spectrum in the 2 GHz range for existing terrestrial services that will affect transitional arrangements;
- b) that many administrations plan to implement future public land mobile telecommunication systems (FPLMTS) in bands adjacent to or overlapping with the MSS bands in the 2 GHz range and certain other administrations are implementing terrestrial mobile personal communication systems (PCS) in part of these bands;
- c) that PCS and FPLMTS on the one hand, and the MSS on the other, could complement each other;
- d) that at present it is difficult to adopt uniform, primary worldwide MSS allocations in the 2 GHz range with a common access date;
- e) that current technology allows satellites to operate in different bands in different Regions,

resolves

to review, at the 1997 World Radiocommunication Conference (WRC-97), the MSS allocations in the 2 GHz range that result from the decisions of this Conference, with a view to harmonizing in the long term, if necessary, and with due regard to the protection of existing services, common, primary worldwide MSS allocations in the 2 GHz range, [in order to meet the MSS requirements identified by CPM-97],

urges administrations

to review their specific situations in order to assist, if necessary, in the long-term development of common, primary worldwide MSS allocations in the 2 GHz range,

instructs the Director of the Radiocommunication Bureau

to place the issues raised in this Resolution on the agenda of WRC-97, in order to assess the situation in the 2 GHz range at that time.

INTERNATIONAL TELECOMMUNICATION UNION

**WRC-95**WORLD
RADIOCOMMUNICATION
CONFERENCE**Document 304-E**
15 November 1995

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

B.15**PLENARY MEETING**FIFTEENTH SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following texts are submitted to the Plenary Meeting for **first reading**:

Source	Document	Title
COM 4	269	Appendix S15 Appendix S5

A.-M. NEBES
Chairman of Committee 6**Annex: 22 pages**

B.15/1

APPENDIX S15

NOC

**Frequencies for Distress and Safety Communications
for the GMDSS**(see Article **S31**)

The frequencies for distress and safety communications for the GMDSS are given in Tables S15.1 and S15.2 for frequencies below and above 30 MHz respectively.

B.15/2

ADD

Table S15.1. Frequencies below 30 MHz

Frequency (in kHz)	Description of usage	Notes	Legend
490	MSI	The frequency 490 kHz will be used exclusively for maritime safety information (MSI) after full implementation of the GMDSS (see also Resolution 210 (Mob-87)).	<p>MSI In the maritime mobile service, these frequencies are used exclusively for the transmission of Maritime Safety Information (MSI) (including meteorological and navigational warnings and urgent information) by coast stations to ships, by means of narrow band direct-printing telegraphy.</p> <p>NBDP-COM These frequencies are used exclusively for distress and safety communications (traffic) using narrow-band direct-printing telegraphy.</p> <p>RTP-COM These carrier frequencies are used for distress and safety communications (traffic) by radiotelephony.</p> <p>DSC These frequencies are used exclusively for distress and safety calls using digital selective calling [in accordance with No. S32.5 (see Nos. S32.9, S33.11 and S33.34)]</p> <p>AERO-SAR These aeronautical carrier (reference) frequencies may be used for distress and safety purposes by mobile stations engaged in coordinated search and rescue operations.</p> <p>* Except as provided in these Regulations, any emission capable of causing harmful interference to distress, alarm, urgency or safety communications on the frequencies denoted by an asterisk (*) is prohibited. Any emission causing harmful interference to distress and safety communications on any of the discrete frequencies identified in Appendices S13 and S15 is prohibited.</p>
518	MSI	The frequency 518 kHz is used exclusively by the international NAVTEX system.	
*2 174.5	NBDP-COM		
*2 182	RTP-COM	The frequency 2 182 kHz uses class of emission J3E. See also No. S52.190 and Appendix S13.	
*2 187.5	DSC		
3 023	AERO-SAR	The aeronautical carrier (reference) frequencies 3 023 kHz and 5 680 kHz may be used for intercommunication between mobile stations engaged in coordinated search and rescue operations, and for communication between these stations and participating land stations, in accordance with the provisions of Appendix S27 (see Nos. S5.111 and S5.115).	
*4 125	RTP-COM	See also No. S52.222 and Appendix S13. The carrier frequency 4 125 kHz may be used by aircraft stations to communicate with stations of the maritime mobile service for distress and safety purposes, including search and rescue (see No. S30.11).	
*4 177.5	NBDP-COM		
*4 207.5	DSC		
4 209.5	MSI	The frequency 4 209.5 kHz is exclusively used for NAVTEX-type transmissions (see Resolution [COM4-7]).	
4 210	MSI-HF		
5 680	AERO-SAR	See note under 3 023 kHz above.	
*6 215	RTP-COM	See also No. S52.222 and Appendix S13.	
*6 268	NBDP-COM		

B.15/3

(CONTINUED)

Frequency (in kHz)	Description of usage	Notes
*6 312	DSC	
6 314	MSI-HF	
*8 291	RTP-COM	
*8 376.5	NBDP-COM	
*8 414.5	DSC	
8 416.5	MSI-HF	
*12 290	RTP-COM	
*12 520	NBDP-COM	
*12 577	DSC	
12 579	MSI-HF	
*16 420	RTP-COM	
*16 695	NBDP-COM	
*16 804.5	DSC	
16 806.5	MSI-HF	
19 680.5	MSI-HF	
22 376	MSI-HF	
26 100.5	MSI-HF	

Legend
<p>MSI-HF In the maritime mobile service, these frequencies are used exclusively for the transmission of high seas MSI by coast stations to ships, by means of narrow-band direct-printing telegraphy (see Resolution 333 (Mob-87)).</p> <p>* Except as provided in these Regulations, any emission capable of causing harmful interference to distress, alarm, urgency or safety communications on the frequencies denoted by an asterisk (*) is prohibited. Any emission causing harmful interference to distress and safety communications on any of the discrete frequencies identified in Appendices S13 and S15 is prohibited.</p>

B.15/4

Table S15.2. Frequencies above 30 MHz (VHF / UHF)

Frequency (in MHz)	Description of usage	Notes
*121.5	AERO-SAR	<p>The aeronautical emergency frequency 121.5 MHz is used for the purposes of distress and urgency for radiotelephony by stations of the aeronautical mobile service using frequencies in the band between 117.975 MHz and 137 MHz. This frequency may also be used for these purposes by survival craft stations. Emergency position-indicating radio beacons use the frequency 121.5 MHz as indicated in [Annex AP37A].</p> <p>Mobile stations of the maritime mobile service may communicate with stations of the aeronautical mobile service on the aeronautical emergency frequency 121.5 MHz for the purposes of distress and urgency only, and on the aeronautical auxiliary frequency 123.1 MHz for coordinated search and rescue operations, using class A3E emissions for both frequencies (see also Nos. S5.111 and S5.200). They shall then comply with any special arrangement between governments concerned by which the aeronautical mobile service is regulated.</p>
123.1	AERO-SAR	<p>The aeronautical auxiliary frequency 123.1 MHz, which is auxiliary to the aeronautical emergency frequency 121.5 MHz, is for use by stations of the aeronautical mobile service and by other mobile and land stations engaged in coordinated search and rescue operations (see also No S5.200).</p> <p>Mobile stations of the maritime mobile service may communicate with stations of the aeronautical mobile service on the aeronautical emergency frequency 121.5 MHz for the purposes of distress and urgency only, and on the aeronautical auxiliary frequency 123.1 MHz for coordinated search and rescue operations, using class A3E emissions for both frequencies (see also Nos. S5.111 and S5.200). They shall then comply with any special arrangement between governments concerned by which the aeronautical mobile service is regulated.</p>
156.3	VHF-CH06	The frequency 156.3 MHz may be used for communication between ship stations and aircraft stations engaged in coordinated search and rescue operations. It may also be used by aircraft stations to communicate with ship stations for other safety purposes (see also Note g) in App.S18).
*156.525	VHF-CH70	The frequency 156.525 MHz is used in the maritime mobile service for distress and safety calls using digital selective calling (see also Nos. S4.9, S5.227, S30.2 and S30.3).
156.650	VHF-CH13	The frequency 156.650 MHz is used for ship-to-ship communications relating to the safety of navigation in accordance with Note p) in Appendix S18.
*156.8	VHF-CH16	The frequency 156.8 MHz is used for distress and safety communications by radiotelephony (see also Appendix S13). Additionally, the frequency 156.8 MHz may be used by aircraft stations for safety purposes only.
*406 - 406.1	406-EPIRB	This frequency band is used exclusively by satellite emergency position-indicating radio beacons in the Earth-to-space direction (see No. S5.266).

Legend
<p>AERO-SAR These aeronautical carrier (reference) frequencies may be used for distress and safety purposes by mobile stations engaged in coordinated search and rescue operations.</p> <p>VHF-CH# These VHF frequencies are used for distress and safety purposes. The channel number (CH#) refers to the VHF channel as listed in Appendix S18, which should also be consulted.</p> <p>SAT-COM These frequency bands are available for distress and safety purposes in the maritime mobile-satellite service (see Notes).</p> <p>* Except as provided in these Regulations, any emission capable of causing harmful interference to distress, alarm, urgency or safety communications on the frequencies denoted by an asterisk (*) is prohibited. Any emission causing harmful interference to distress and safety communications on any of the discrete frequencies identified in Appendices S13 and S15 is prohibited.</p>

B.15/5

(CONTINUED)

Frequency (in MHz)	Description of usage	Notes
1 530 - 1 544	SAT-COM	In addition to its availability for routine non-safety purposes, the band 1 530 - 1 544 MHz is used for distress and safety purposes in the space-to-Earth direction in the maritime mobile-satellite service.
*1 544 - 1 545	D&S-OPS	Use of the band 1 544 - 1 545 MHz (space-to-Earth) is limited to distress and safety operations (see No. S5.356), including feeder links of satellites needed to relay the emissions of satellite emergency position-indicating radio beacons to earth stations and narrow-band (space-to-Earth) links from space stations to mobile stations.
1 626.5 - 1 645.5	SAT-COM	In addition to its availability for routine non-safety purposes, the band 1 626.5 - 1 645.5 MHz is used for distress and safety purposes in the Earth-to-space direction in the maritime mobile-satellite service.
*1 645.5 - 1 646.5	D&S-OPS	Use of the band 1 645.5 - 1 646.5 MHz (Earth-to-space) is limited to distress and safety operations (see No. S5.375), including transmissions from satellite EPIRBs and relay of distress alerts received by satellites in low polar Earth orbits to geostationary satellites.
9 200 - 9 500	SARTS	This frequency band is used by radar transponders to facilitate search and rescue.

Legend
<p>* Except as provided in these Regulations, any emission capable of causing harmful interference to distress, alarm, urgency or safety communications on the frequencies denoted by an asterisk (*) is prohibited. Any emission causing harmful interference to distress and safety communications on any of the discrete frequencies identified in Appendices S13 and S15 is prohibited.</p> <p>D&S-OPS The use of these bands is limited to distress and safety operations of satellite emergency position-indicating radio beacons (EPIRBs)</p>

APPENDIX S5

MOD Identification of Administrations with Which Coordination Is to Be Effected or Agreement Sought Under the Provisions of Article S9

MOD 1 For the purpose of effecting coordination under Article S9, except in the case under No. S9.21, and for identifying the administrations with which coordination is to be effected, the frequency assignments to be taken into account 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 category¹ of allocation, which might affect or be affected, as appropriate, and which are:

MOD ¹ The coordination between an earth station and terrestrial stations under Nos. S9.15, S9.16, S9.17, S9.18 and S9.19, or between earth stations operating in opposite directions of transmission under S9.17bis, applies only to assignments in bands allocated with equal rights.

MOD a) in conformity with No. S11.31²; and

ADD ² For the purpose of effecting coordination, an assignment for which the process of obtaining agreement under No. S9.21 has been initiated is considered to be in conformity with No. S11.31 with respect to No. S9.21.

MOD b) either recorded in the Master Register with a favourable finding with respect to No. S11.32; or

ADD c) recorded in the Master Register with an unfavourable finding with respect to No. S11.32 and a favourable finding with respect to No. S11.32bis or No. S11.33, as appropriate; or

ADD d) coordinated under the provisions of Article S9; or

- MOD** e) included in the coordination procedure with effect from the date of receipt³ by the Bureau, in accordance with No. **S9.34**, of the basic characteristics as specified in Appendix **S4**; or
- MOD** f) for terrestrial radiocommunication stations or earth stations operating in the opposite direction of transmission⁴, operating in accordance with these Regulations, or to be so operated prior to the date of bringing the earth station assignment into service, or within the next three years from the date of dispatch of coordination data under No. **S9.29**, whichever is the longer, or from the date of the publication referred to in No. **S9.38**, as appropriate.

ADD ³ See No. **S9.1** concerning the date to be considered as the date of receipt by the Bureau of the information relating to the coordination of a satellite network or the notification of a frequency assignment.

ADD ⁴ The associated space network characteristics must have been communicated to the Bureau under No. **S9.2ter**.

ADD **2** For the application of No. **S9.21**, the agreement of an administration may be required with respect to the frequency assignments 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, which may be affected, and:

- a) in cases involving a space radiocommunication station with respect to another space radiocommunication station:
- i) which are in conformity with No. **S11.31**, and
 - are recorded in the Master Register, or
 - are notified to the Bureau, or
 - for which information under No. **S9.34** has been received by the Bureau; or
 - ii) for which the procedure under No. **S9.21** has been initiated; or

- b) for terrestrial radiocommunication stations operating in accordance with these Regulations, or to be so operated prior to the date of bringing the earth station assignment into service, or within the next three years, whichever is the longer; or
 - c) for terrestrial radiocommunication stations operating in accordance with these Regulations, or to be so operated prior to the date of bringing the other terrestrial station assignment into service, or within the next three months, whichever is the longer;
- MOD** **3** For each of the frequency assignments to an individual station or to a satellite network mentioned in paragraphs 1 and 2 above, the level of interference shall be determined using the method referred to in Table **S5-1** which is appropriate to the particular case.
- MOD** **4** The assignment is considered to cause or suffer interference, as appropriate, and coordination must be sought under the procedure of Article **S9**, if:
- NOC** a) the interference level exceeds the threshold level given in Table **S5-1**; or
- MOD** b) the condition specified in Table **S5-1** is applicable.
- ADD** **5** Threshold values to determine whether coordination under No. **S9.11bis** is required are given in Table **S5-2**.
- MOD** **6** No coordination is required:
 - a) when the use of a new frequency assignment will not cause or suffer, as appropriate, in respect of any service of another administration, an increase in the level of interference above the threshold calculated in accordance with the method referred to in Table **S5-1**; or
 - MOD** b) when the characteristics of a new or a modified frequency assignment or a new earth station are within the limits of those of a frequency assignment which has previously been coordinated; or
 - MOD** c) to change the characteristics of an existing assignment in such a way as not to increase the interference to or from, as appropriate, the assignments of other administrations; or
 - NOC** d) for assignments to stations comprising a satellite network in relation to assignments of other satellite networks:
 - (MOD)** i) for a new frequency assignment to a receiving station, when the notifying administration states that it accepts the interference resulting from the frequency assignments referred to in No. **S9.27**; or

- (MOD) ii) between earth stations using frequency assignments in the same direction (either Earth-to-space or space-to-Earth); or
- MOD e) for assignments to earth stations in relation to terrestrial stations or earth stations operating in the opposite direction of transmission, when an administration proposes:
- NOC i) to bring into use an earth station the coordination area of which does not include any of the territory of any other country;
- NOC ii) to operate a mobile earth station. However, if the coordination area associated with the operation of such a mobile earth station includes any of the territory of another country, the operation of such a station shall be subject to agreement on coordination between the administrations concerned. This agreement shall apply to the characteristics of the mobile earth station(s), or to the characteristics of a typical mobile earth station, and shall apply to a specified service area. Unless otherwise stipulated in the agreement, it shall apply to any mobile earth stations in the specified service area provided that interference caused by them shall not be greater than that caused by a typical earth station for which the technical characteristics appear in the notice and have been or are being submitted in accordance with Section I of Article S11; or
- MOD iii) to bring into use a new frequency assignment to a receiving earth station and the notifying administration states that it accepts the interference resulting from existing and future terrestrial station assignments or assignments to earth stations operating in the opposite direction of transmission. In such case, administrations responsible for the terrestrial stations or earth stations operating in the opposite direction of transmission are not required to apply the provisions of No. S9.18 or No. S9.17bis of Article S9 respectively:
- MOD f) to bring into use an assignment to a terrestrial station or an earth station operating in the opposite direction of transmission which is located, in relation to an earth station, outside the coordination area of that earth station; or
- MOD g) to bring into use an assignment to a terrestrial station or an earth station operating in the opposite direction of transmission within the coordination area of an earth station, provided that the proposed assignment to a terrestrial station or an earth station operating in the opposite direction of transmission is outside any part of a frequency band coordinated for reception by that earth station.

MOD

TABLE S5-1

SUP Footnote-1.

Technical conditions for coordination
(see Article S9)

	Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
MOD	No. S9.7 GSO/GSO	A station in a satellite network using the geostationary-satellite orbit in respect of any other satellite network using that orbit	Any frequency band allocated to a space service, except those mentioned in the plans of Appendices S30, S30A and S30B	Value of $\Delta T/T$ exceeds 6%	Appendix S8	
MOD	No. S9.8 GSO/GSO	A transmitting space station of the fixed-satellite service (FSS) using the geostationary-satellite orbit in a frequency band shared with the BSS on an equal primary basis, in respect of space stations of the latter service which are subject to the plan in Appendix S30	11.7 - 12.2 GHz (R2) 12.2 - 12.7 GHz (R3) 12.5 - 12.7 GHz (R1)	i) There is an overlap in the necessary bandwidths of the space stations of FSS and BSS; and ii) the powerflux-density (pfd) of the space station of the FSS exceeds the value given in Annex 4 of Appendix S30 on the territory of another administration located in another region.	Check by using the assigned frequencies and bandwidths;	See also Article 7 of Appendix S30. The application of these provisions with respect to the bands and services of Articles 6 and 7 of Appendices 30 and 30A is suspended pending the decision of WRC-97 on revision of Appendices 30 and 30A.

B.15/11
(CONTINUED)

MOD

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
No. S9.9 GSO/GSO	A station of the FSS in a frequency band shared on an equal primary basis with the feeder links of the BSS, which are subject to the plan in Appendix S30A	17.7 - 18.1 GHz (R1) 17.7 - 18.1 GHz (R3) 17.7 - 17.8 GHz (R2)	i) Value of $\Delta T_s/T_s$ exceeds 4% (see Section 1 of Annex 4 of Appendix S30A); and ii) geocentric inter-satellite angular separation is less than 3° or greater than 150°	i) Case II of Appendix S8 ii) Annex I of Appendix S8	The threshold/conditions do not apply when the geocentric angular separation, between a transmitting space station in the fixed-satellite service and a receiving space station in the feeder-link Plan, exceeds 150° of arc and the free-space power flux-density of the transmitting space station in the fixed-satellite service does not exceed a value of -137 dB(W/m ² /MHz) on the surface of the Earth at the equatorial limb. The application of these provisions with respect to the bands and services of Articles 6 and 7 of Appendices 30 and 30A is suspended pending the decision of WRC-97 on revision of Appendices 30 and 30A.

B.15/12

(CONTINUED)

	Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
MOD	No. S9.11 GSO/terrestrial	A space station in the BSS, in any band shared on an equal primary basis with terrestrial services and in which there is no plan for the BSS, in respect of terrestrial services	620 - 790 MHz 1 452 - 1 492 MHz 2 310 - 2 360 MHz 2 520 - 2 655 MHz 2 655 - 2 670 MHz 12.5 - 12.75 GHz (R3) 17.3 - 17.8 GHz (R2) 21.4 - 22 GHz (R1, R3) 40.5 - 42.5 GHz 84 - 86 GHz	Condition: Bandwidths overlap	Check by using the assigned frequencies and bandwidths	
MOD	No. S9.12 1) Non-GSO/ Non-GSO	A station in a satellite network using a non-geostationary-satellite orbit in the frequency bands for which a footnote refers to S9.11bis in respect of any other satellite network using a non-geostationary-satellite orbit	See Table S5-1A	Condition: Bandwidths overlap	Check by using the assigned frequencies and bandwidths	

(CONTINUED)

	Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
MOD	No. S9.12 2) Non-GSO/GSO	A station in a satellite network using a non-geostationary-satellite orbit in the frequency bands for which a footnote refers to S9.11bis in respect of any other satellite network using the geostationary-satellite orbit	See Table S5-1A	Condition: Bandwidths overlap	Check by using the assigned frequencies and bandwidths	
MOD	No. S9.13 GSO/Non-GSO	A station in a satellite network using the geostationary-satellite orbit in the frequency bands for which a footnote refers to S9.11bis in respect of any other satellite network using a non-geostationary-satellite orbit	See Table S5-1A	Condition: Bandwidths overlap	Check by using the assigned frequencies and bandwidths	

(CONTINUED)

	Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
MOD	No. S9.14 Non-GSO/ terrestrial, GSO/terrestrial	For a space station in a satellite network in the frequency bands for which a footnote refers to S9.11bis in respect of stations of terrestrial services where the threshold(s) is (are) exceeded	See Table S5-1A	For a non-GSO space station: See Table S5-2	See Table S5-2	
MOD	No. S9.15 non-GSO/ terrestrial	A specific earth station or a typical earth station in respect of terrestrial stations in frequency bands for which a footnote refers to S9.11bis allocated with equal rights to space and terrestrial services, where the coordination area of the earth station includes the territory of another country	See Table S5-1A	The coordination area of the earth station covers the territory of another administration	[See Doc. 189]	

B.15/15
(CONTINUED)

	Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
MOD	No. S9.16 terrestrial/ non-GSO	A transmitting station of a terrestrial service within the coordination area of an earth station in a non-geostationary-satellite network in frequency bands for which a footnote refers to S9.11bis	See Table S5-1A	Transmitting terrestrial station is situated within the coordination area of a receiving earth station which has already been coordinated		The coordination area of the affected earth station has already been determined using the calculation method of No. S9.15
MOD	No. S9.17 GSO, non-GSO/ terrestrial	A specific earth station or a typical mobile earth station in frequency bands above 1 GHz allocated with equal rights to space and terrestrial services in relation to terrestrial stations, where the coordination area of the earth station includes the territory of another country	Any frequency band allocated to a space service, except those mentioned in the plans of Appendix S30	The coordination area of the earth station covers the territory of another administration	Appendix S7 (For earth stations in the radiodetermination-satellite service (RDSS) in the bands 1 610 - 1 626.5, 2 483.5 - 2 500 and 2 500 - 2 516.5 MHz, see Remarks column) 1) The coordination area of aircraft earth stations is determined by increasing the service area by 1 000 km with respect to the aeronautical mobile service (terrestrial) or 500 km with respect to terrestrial services other than the aeronautical mobile service	Note: For RDSS earth stations, a uniform coordination distance of 400 km corresponding to an airborne earth station shall be used. In cases where the earth stations are all ground-based, a coordination distance of 100 km shall be used. The application of these provisions with respect to the bands and services of Articles 6 and 7 of Appendix 30A is suspended pending the decision of WRC-97 on revision of Appendix 30A.

B.15/16

(CONTINUED)

ADD

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
				2) For receiving earth stations in the meteorological-satellite service in frequency bands shared with the meteorological aids service, the coordination distance is considered to be the visibility distance as a function of the earth station horizon elevation angle for a radiosonde at an altitude of 20 km above mean sea level, assuming $4/3$ Earth radius	

B.15/17

(CONTINUED)

ADD

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
No. S9.17bis GSO, non-GSO/ GSO, non-GSO	A specific earth station in respect of other earth stations operating in the opposite direction of transmission in frequency bands allocated with equal rights to space radiocommunication services in both directions of transmission, where the coordination area of the earth station includes the territory of another country or the earth station is located within the coordination area of a coordinated earth station	Any frequency band allocated to a space service	The coordination area of the earth station covers the territory of another administration or the earth station is located within the coordination area of a coordinated earth station	[See Doc. 189]	The application of these provisions with respect to the bands and services of Articles 6 and 7 of Appendices 30 and 30A is suspended pending the decision of WRC-97 on revision of Appendices 30 and 30A.
MOD No. S9.18 terrestrial/GSO, non-GSO	Any transmitting station of a terrestrial service in the bands mentioned in No. S9.17 within the coordination area of an earth station	Any frequency band allocated to a space service, except those mentioned in Appendices S30 and S30A	Transmitting terrestrial station is situated within the coordination area of an already coordinated receiving earth station	See remarks	The coordination area of the affected earth station has already been determined using the calculation method of No. S9.17

B.15/18

(CONTINUED)

MOD

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
No. S9.19 terrestrial/GSO	A transmitting station of a terrestrial service in a frequency band shared on an equal primary basis with the BSS	11.7 - 12.2 GHz (R3) 11.7 - 12.5 GHz (R1) 12.2 - 12.7 GHz (R2) and the bands listed in No. S9.11	i) Necessary bandwidths overlap; and ii) the pfd of the terrestrial station at the edge of the BSS service area exceeds the permissible level	i) Check by using the assigned frequencies and bandwidths ii) Annex 3 to Appendix S30 for bands covered by that Appendix	See also Article 6 of Appendix S30 The application of these provisions with respect to the bands and services of Articles 6 and 7 of Appendices 30 and 30A is suspended pending the decision of WRC-97 on revision of Appendices 30 and 30A.
MOD No. S9.21 terrestrial, GSO, non-GSO/ terrestrial, GSO, non-GSO	A station of a service for which the requirement to obtain the agreement of other administrations is included in a footnote to the Table of Frequency Allocations, referring to No. S9.21	Band(s) indicated in the relevant footnote	Condition: Incompatibility established by the use of Appendices S7, S8, technical annexes of Appendices S30, S30A and S30B, pfd values specified in some of the footnotes, other technical provisions of the Radio Regulations or ITU-R Recommendations as appropriate	Methods specified in, or adapted from, Appendices S7, S8, S30, S30A, S30B, other technical provisions of the Radio Regulations or ITU-R Recommendations	

B.15/19

TABLE S5-1A

MOD

Applicability of No. S9.11bis provisions

Frequency band (MHz)	RR footnote	Space services in footnotes referring to No. S9.11bis	Other space services to which No. S9.11bis provisions apply equally	Power flux-density limit in dB(W/m ² /4 kHz)	Date of entry into force of the new allocations
137 - 137.025 137.175 - 137.825	S5.208	MOBILE- SATELLITE (S - E)	SPACE OPERATION (S-E) MET-SATELLITE (S-E) SPACE RESEARCH (S-E)	-125 (S) ¹	Existing allocation
137.025 - 137.175 137.825 - 138	S5.208	mobile-satellite (S - E)	---	-125 (S)	Existing allocation
148 - 149.9	S5.219	MSS (E - S)	---	-150 (F) ²	Existing allocation
149.9 - 150.05	S5.220	LMSS (E - S)	---	-150 (F)	Existing allocation (secondary until 1.1.97, No. S5.224)
312 - 315	S5.255	mss (E - S)	---		Existing allocation
387 - 390	S5.255	mss (S - E)	---		Existing allocation
400.15 - 401	S5.264	MSS (S - E)	MET-SATELLITE (S-E) SPACE RESEARCH (S-E)	-125 (S)	Existing allocation
1 492 - 1 525	S5.348	MSS (S - E) (R2, except USA)	---	(Article S21, Table [AR28]) (S)	Existing allocation

¹ Symbol (S) in this column means that coordination of space stations of the mobile-satellite service with respect to terrestrial services is required only if the power flux-density at the Earth's surface exceeds the indicated limit.

² Symbol (F) in this column means that the mobile earth stations of the mobile-satellite service concerned shall not produce a power flux-density outside national boundaries in excess of the indicated limit.

B.15/20

(CONTINUED)

Frequency band (MHz)	RR footnote	Space services in footnotes referring to No. S9.11bis	Other space services to which No. S9.11bis provisions apply equally	Power flux-density limit in dB(W/m ² /4 kHz)	Date of entry into force of the new allocations
1 525 - 1 530 (R1, R3)	S5.354	MSS (S - E) (or subset)	SPACE OPERATION (S-E)	(Article S21 , Table [AR28]) (S)	Existing allocation
1 525 - 1 530 (R1, R3)	S5.354	lmss (S - E)(R1)	Earth exploration - sat.	(Article S21 , Table [AR28]) (S)	Existing allocation
1 530 - 1 535	S5.354	MSS (S - E) (or subset)	SPACE OPERATION (S-E)		Existing allocation
1 533 - 1 535	S5.354	lmss (S - E)	Earth exploration - sat.		Existing allocation
1 535 - 1 544	S5.354	lmss (S - E)	---		Existing allocation
1 535 - 1 559	S5.354	MSS (S - E) (or subset)	---		Existing allocation
1 610 - 1 626.5	S5.364	MSS (E - S), RDSS (R2+No. S5.369)	---	Limits on e.i.r.p. of mobile earth stations	Existing allocation
1 610 - 1 626.5	S5.364	rdss (E - S)(R1, R3)	---	Limits on e.i.r.p. of mobile earth stations	Existing allocation
1 613.8 - 1 626.5	S5.365	mss (S - E)	---		Existing allocation
1 626.5 - 1 660	S5.354	MSS (E - S) (or subset)	---		Existing allocation
1 626.5 - 1 631.5 1 634.5 - 1 645.5	S5.354	lmss (E - S)	---		Existing allocation
1 660 - 1 660.5	S5.354	MSS (E - S) (or subset)	---		Existing allocation
1 675 - 1 700	S5.377	MSS (E - S)(R2)	---		Existing allocation
1 700 - 1 710	S5.377	MSS (E - S)(R2)	SPACE RESEARCH (S-E) No. S5.384		Existing allocation

B.15/21

(CONTINUED)

Frequency band (MHz)	RR footnote	Space services in footnotes referring to No. S9.11bis	Other space services to which No. S9.11bis provisions apply equally	Power flux-density limit in dB(W/m ² /4 kHz)	Date of entry into force of the new allocations
1 970 - 1 980	S5.389	MSS (E - S)(R2)	---		01.01.2005, (1996 in USA, No. S5.390)
1 980 - 2 010	S5.389	MSS (E - S)	---		01.01.2005, (1996 in USA, No. S5.390)
2 160 - 2 170	S5.389	MSS (S - E)(R2)	---	(Article S21 , Table [AR28]) (S)	01.01.2005, (1996 in USA, No. S5.390)
2 170 - 2 200	S5.389	MSS (S - E)	---	(Article S21 , Table [AR28]) (S)	01.01.2005, (1996 in USA, No. S5.390)
2 483.5 - 2 500	S5.402	MSS (S - E) RDSS (S - E) (R2+No. S5.400)	---	(Article S21 , Table [AR28]) (S)	Existing allocation
2 483.5 - 2 500	S5.402	rdss (S - E)(R1, R3)	---	(Article S21 , Table [AR28]) (S)	Existing allocation
2 500 - 2 520	S5.414 S5.403	MSS (S - E)	FSS (S-E) (R2, R3), RDSS (S-E) No. S5.404	(Article S21 , Table [AR28]) (S)	01.01.2005; (until 2005: Article S9 : MSS (-AMSS))
2 520 - 2 535	S5.403	MSS (-AMSS) (S - E)	BSS FSS (S-E)(R2, R3)	(Article S21 , Table [AR28]) (S)	Existing allocation
2 655 - 2 670	S5.420	MSS (-AMSS) (E - S)	BSS FSS (S-E) (R2, R3)		Existing allocation
2 670 - 2 690	S5.419 S5.420	MSS (E - S)	FSS (E-S), (S-E)(R2) FSS (E-S)(R3)		01.01.2005; (until 2005: Article S9 : MSS (-AMSS))

B.15/22

TABLE S5-2

ADD

Threshold values to determine whether coordination
under No. **S9.11bis** is required - to be inserted following
decision in Committee 5

SUP

TABLE S5-3



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

**Addendum 1 to
Document 305-E
16 November 1995
Original: English**

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

**DRAFT
FINAL ACTS
of the World Radiocommunication
Conference (WRC-95)
Geneva, 1995**

PREAMBLE

The World Radiocommunication Conference, Geneva, 1993, resolved to recommend to the Council that a world radiocommunication conference be held in Geneva in late 1995 for a period of four weeks.

The Council, at its 1994 session, by its Resolution 1065, established the agenda and resolved that the Conference be convened in Geneva from 23 October to 17 November 1995. The agenda, dates and place were approved by the required majority of the Members of the Union.

Accordingly, the Conference was included in the Union's calendar of conferences (Resolution 3 of the Plenipotentiary Conference, Kyoto, 1994).

The World Radiocommunication Conference (WRC-95) met in Geneva for the stipulated period; it considered and, in conformity with its agenda, adopted a revision of the Radio Regulations and Appendices thereto, as contained in the present Final Acts.

In accordance with its agenda, the Conference took other decisions considered necessary or appropriate, including the review and revision of existing Resolutions and Recommendations and the adoption of various new Resolutions and Recommendations as contained in the present Final Acts.

The revision of the Radio Regulations, as referred to in this Preamble, shall apply provisionally as from the dates stipulated in the Article ... (final Article) of the revised Radio Regulations.

The delegates signing the revision of the Radio Regulations, contained in the present Final Acts, which is subject to approval by their competent authorities, declare that, should a Member of the Union make reservations concerning the application of one or more of the provisions of the revised Radio Regulations, no other Member shall be obliged to observe that provision or those provisions in its relations with that particular Member.

IN WITNESS WHEREOF, the delegates of the Members of the International Telecommunication Union named below have, on behalf of their respective competent authorities, signed one copy of the present Final Acts in the Arabic, Chinese, English, French, Russian and Spanish languages. In case of dispute, the French text shall prevail. This copy shall remain deposited in the archives of the Union. The Secretary-General shall forward one certified true copy to each Member of the International Telecommunication Union.

Done at Geneva, 17 November 1995



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 305-E
15 November 1995
Original: French

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

NOTE BY THE CHAIRMAN OF COMMITTEE 6

In order to facilitate the work of the Conference, the Chairman of Committee 6 draws the attention of the Plenary to the issues presented in Annex.

A.-M. NEBES
Chairman of Committee 6

Annex: 1

ANNEX

1 Texts still pending for review by the Plenary

The texts listed hereunder have been submitted by Committee 6 to the Plenary but still need a final decision.

Document	Pages	Title
247	B.5/10-12	Article S13
	B.5/13-14	Article S14
	B.5/17	Resolution COM4-5
265	R.2/6	Article 10
	R.2/7-15	Article 11
	R.2/47-48	Resolution COM4-4

2 In addition, No. 15.43 has been submitted to Committee 6 by Committee 5 and is reproduced below for adoption by the Plenary.

ARTICLE S15

Interference

MOD 15.43 In the case where an administration has difficulty in identifying a source of harmful interference in the HF bands and urgently wishes to seek the assistance of the Bureau, it shall promptly inform the Bureau.

NOTE – The remainder of Article S15 has been adopted in Documents 180 (B.1) and 234 (R.1).

3 In accordance with Resolution 94 (WARC-92), this Conference should review those resolutions and recommendations of previous conferences to be revised, replaced or abrogated.

Committee 6 already identified the following texts:

Resolutions 35, 103, 112, 201 and 334 are abrogated.

Resolutions 46, 100, 212, 213, 712 and 717 are revised.

Resolution 113 is unchanged.

4 Explanatory Note¹

- 1) The Final Acts are based on the version of the Radio Regulations (RR) currently in force.
- 2) To facilitate referencing of the changes introduced in turn by the Voluntary Group of Experts (VGE) and by this Conference with respect to the RR, a comparative table is provided at the beginning of each Article (or of each group of Articles, according to length).
- 3) For each Article², this table shows the correspondence between the RR provisions (column 1) and the VGE Report Part C provisions (column 3) as well as any modifications made to those provisions by the VGE (column 2) and by WRC-95 (column 4). In order to prevent the table from becoming unwieldy and to render the modifications more clearly visible, the symbol "NOC" (no change) **has not** been reproduced in the table, having in each case been replaced by **blank boxes**.

The following are examples of different possible cases and the way in which they are presented:

- Where an RR provision has been modified neither by the VGE (blank box in the third column of the table, entitled "VGE Report"), nor by WRC-95 (blank box in the fourth column of the table, entitled "WRC-95 decision"), the text of that provision is not reproduced. It is, however, this text (from the current version of the RR) which is deemed authentic and will be used in the preparation of the definitive Final Acts and the Simplified Radio Regulations.

RR	VGE proposal	VGE Report	WRC-95 decision
78		S1.83	

NOTE 1 – Where the VGE has proposed the modification (MOD) or deletion (SUP) of an RR provision and WRC-95 has decided to revert to the original provision, the Final Acts **will refer to this explicitly** in the form: [*use the text of No. xyz*].

- Any text to which a mere editorial change or numbering change has been made is **not reproduced**, but is identified in the table by the symbol "(MOD)".

RR	VGE proposal	VGE Report	WRC-95 decision
4	(MOD)	S1.3	

- If any change of substance to an RR provision has been made by the VGE or if the VGE Report provision (even if it repeated the RR text without modification) has been changed by a Committee, the table is presented as follows and the text is published together with the usual marginal notation (NOC, MOD, etc.), subject to the provisions of NOTE 1 above.

¹ This explanatory note will be reproduced in the Final Acts.

² Does not apply to provisions relating to procedures, which are reproduced **in extenso**.

RR	VGE proposal	VGE Report	WRC-95 decision
305	MOD	S3.7	MOD
379	MOD	S6.6	
2023		S18.4	MOD

- Where the VGE has proposed deleting an RR provision and that deletion has been confirmed by this Conference, the provision is not reproduced and the table is presented as follows:

RR	VGE proposal	VGE Report	WRC-95 decision
23	SUP	- -	

4) Summary of symbols used:

MOD Substantial change

(MOD) This symbol may have two meanings:

- if used in column 2 ("VGE proposal"): editorial change, without substantial change, proposed by the VGE
- if used in column 4 ("WRC-95 decision"): editorial change made by the WRC-95

SUP Deletion of a provision

SUP* Transfer elsewhere of an RR provision (appears at the point from which the provision has been transferred) (See Document 241)

(ADD) Transfer of a provision from elsewhere (appears at the point to which the provision has been transferred)

ADD Addition of a new provision

NOC No change

5) In accordance with No. 461 of the Convention, WRC-95 agrees to entrust the final numbering of the chapters, articles and paragraphs to the Secretary-General.

[6) In the event that difficulties of an editorial nature arise during preparation of the definitive Final Acts of WRC-95 by the Union headquarters, the Conference instructs the Secretary-General to submit them to the Chairman and Vice-Chairmen of the Editorial Committee for their attention.]



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 306-E
17 November 1995
Original: English

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

COMMITTEE 5

SUMMARY RECORD
OF THE
THIRTEENTH MEETING OF COMMITTEE 5
(MSS AND OTHER MATTERS)

Saturday, 11 November 1995, at 0905 hours

Chairman: Mr. G.F. JENKINSON (Australia)

Subjects discussed

Documents

- | | | |
|----------|--|--|
| 1 | Reports of Working Group 5B (continued) | 125, 128, 214, 216 + Corr.1,
222, 228 |
| 2 | First and second reports of Working Group 5C | Corrigendum 1 to 202(Rev.1),
240 |

1 Reports of Working Group 5B (continued) (Documents 125, 128, 214, 216 and Corrigendum 1, 222, 228)

1.1 The **Chairman of Working Group 5B**, introducing the Working Group's fifth report (Document 228), said that Drafting Group 5Ba, set up to develop a text on transitional arrangements in the 2 GHz band, had prepared a draft resolution which was set out in the attachment to the document. Unfortunately time had been short, and Working Group 5B had not been able to give detailed consideration to all sections of the text. Drawing attention to the final report of Drafting Group 5Ba annexed to Document 228, he noted that it had not been possible to incorporate in the draft Resolution the proposals of all administrations; for instance, those contained in Documents 125 and 128 had not been discussed due to time constraints. Furthermore, Documents 214 and 216 had only just been issued.

1.2 The **Chairman** invited the authors of Documents 214 and 216 to introduce them.

1.3 The **delegate of Morocco**, introducing the draft Resolution which was the subject of proposal MRC/214/1, said that its purpose was to provide assistance to administrations facing difficulties in identifying those of their terrestrial stations liable to be affected by MSS systems.

1.4 The **delegate of South Africa**, introducing proposal GUI/LSO/UGA/AFS/TZA/SWE/216/1, said that most of its elements were covered by the draft Resolution in Document 228. The co-authors could accept the principle of advancing the date of entry into force of the 2 GHz MSS allocations to the year 2000 if certain key conditions, outlined in Document 216 and its Corrigendum, were met.

1.5 The **delegate of Algeria**, noting that his Administration had not participated in any meetings where African countries had agreed upon advancement of the date of entry into force of the allocations in question, said that he did not share the views just expressed.

1.6 The **Chairman** invited the Committee to take up draft Resolution [COM5-7] submitted by Drafting Group 5Ba in the attachment to the Annex to Document 228.

1.7 The **delegate of Canada**, observing that the transitional arrangements were intended to establish a method for the phased transfer of the fixed service from the 2 GHz band and that the draft Resolution should focus on that aspect, suggested that the reference to the mobile service which appeared several times between square brackets in the text, should be deleted altogether. He was supported by the **delegates of Nigeria** and the **United States**.

1.8 The **delegate of Spain** said that he could support the Canadian proposal on condition that due consideration was given to the problems of fixed radio-relay links whose position was difficult to determine.

1.9 The **delegate of Canada**, in reply to a question by the **Chairman of Working Group 5B** concerning protection for existing mobile systems, said that there were very few such systems operating in the band concerned. Furthermore, overlapping between mobile personal communication systems and the MSS would be kept to a minimum as studies had already been carried out on the feasibility of co-channel use in the same geographical area. The draft Resolution was intended to phase out the existing fixed systems over time and to cut off the implementation of new fixed systems after a specified date in the future. The situation with regard to the mobile service was different, permitting recourse to normal coordination methods vis-à-vis the MSS.

1.10 The **Chairman of Working Group 5B**, supported by the **delegate of Saudi Arabia**, said that the protection of existing mobile services might not be ensured if no mention of such services was made in the draft Resolution.

1.11 In reply to a question by the **delegate of Zimbabwe**, the **Chairman** said that deletion of the reference to the mobile service from the draft Resolution would not mean that the mobile service would lose its primary status in the Table of Frequency Allocations for the band in question. The provision of mobile-satellite services in the bands allocated to mobile services was intended, at least partly, to cater for future mobile-based services which might have both satellite and terrestrial components. Caution should be exercised when addressing the terrestrial mobile aspects of the issue, so as not to exclude a service which might wish to operate in the same band for both satellite and terrestrial services.

1.12 The **delegate of Turkey** said that insertion of the word "existing" before the word "mobile" would perhaps clarify the issue. Alternatively, if the word "mobile" was to be deleted, he suggested that another draft Resolution be prepared to deal with coordination between existing mobile systems and the mobile-satellite service.

1.13 Noting that there appeared to be substantial opposition to the deletion of the word "mobile", the **Chairman** suggested that further discussion of that point should be deferred until a more general picture of the draft Resolution had emerged.

1.14 It was so agreed.

1.15 The **delegate of Tanzania** said it was his understanding that the transitional arrangements were to act as an incentive towards advancing the date of entry into force from 2005 to 2000. The draft Resolution under consideration did not place enough emphasis on protection to allow his delegation to support advancement of the date. To remedy that shortcoming, he proposed several amendments to the *resolves* section, in particular the addition of a new paragraph calling upon administrations to urge their MSS operators to participate in the protection of terrestrial services, especially in the least developed countries. He was supported by the **delegates of Mali, South Africa, the United Kingdom, Italy and Uganda**.

1.16 The **delegate of Kenya** also supported the Tanzanian proposals. His delegation would not be able to accept advancement of the date of entry into force unless full protection was provided in the 2 GHz band until 2005.

1.17 The **delegate of Nigeria** expressed his preference for the second alternative of *resolves* 1, subject to insertion of the words "and brought into use" after the words "received by the Radiocommunication Bureau".

1.18 The **Chairman of Working Group 5B** said that the concept of "filing for protection" should be clarified, since it was not clear to some administrations.

1.19 The **delegate of Senegal**, supported by the **delegates of Mali and Uganda**, said that the economic consequences mentioned in *considering* d) should be made the subject of a separate *resolves* paragraph calling for studies to evaluate the economic and financial implications of the transfer of services for developing countries and the submission of a report thereon to the next world radiocommunication conference.

1.20 The **delegate of Saudi Arabia**, supported by the **delegate of Kuwait**, said that one of the elements of the compromise reached in relation to advancing the date of entry into force of MSS allocations in the frequency bands concerned was the provision of protection up to the year 2005 for systems planned or in operation. It was most important to ensure that the meaning of the term "protection" was absolutely clear.

1.21 The **delegate of New Zealand** emphasized that Recommendation ITU-R F.1098 applied not only to developing countries but to all countries and said that the wording of the draft Resolution might need to be adjusted accordingly. Although he preferred the second alternative of *resolves* 1, its implications in respect of protection were not entirely clear.

1.22 The **delegate of Spain** expressed concern over the reference in *resolves* 1 to typical assignments, as the bands under consideration were not covered by RR 1223 which dealt with the notification of such assignments. He also observed that absolute protection of land mobile services from harmful interference could cause coordination problems for MSS operators.

1.23 The **delegate of Jordan** said that mobile terrestrial stations should not be excluded from the scope of the Resolution. His Administration could accept the year 2000 as the date of entry into force. He also joined other speakers in stressing the need for full protection of land mobile services.

1.24 The **delegate of Algeria** recalled that the year 2005 was a compromise reached in 1992. Protection was a vital issue for all countries, particularly developing ones with scarce resources. His Administration would find it difficult to replace systems at such short notice and was therefore concerned about advancing the date; indeed, it considered that protection should extend beyond the year 2005.

1.25 The **delegate of Morocco**, referring to his Administration's proposals in Document 153, emphasized four points. First, terrestrial stations had to be protected against interference from the MSS. Second, he did not agree that existing systems should be transferred to other bands. Third, if such transfers were to take place, they should be based on agreements that took due account of technical and economic considerations. Fourth, he did agree, however, that future land mobile services should be planned in other bands.

1.26 Following further discussion in which the **delegates of New Zealand, the United Kingdom, Brazil, Syria, Sweden, Cameroon, Nigeria, India, Indonesia, the United States** and the **Chairman of Working Group 5B** took part, the **Chairman** proposed, in view of the limited time available, that an ad hoc group (ad hoc Group 4 of Committee 5) should be set up under the chairmanship of Mr. van Diepenbeek (Netherlands) to consider Document 228, together with Document 216 and Corrigendum 1, in the light of the comments made during the discussion.

1.27 It was so **agreed**.

1.28 It was further **agreed** that Documents 125 and 128, containing proposals by South Africa and Israel respectively, would also be referred to ad hoc Group 4 for consideration.

1.29 The **Chairman** invited the Committee to consider the fifth report of Working Group 5B (Document 222).

1.30 MOD 723C, MOD 726C and MOD 726D were **approved**.

1.31 ADD 726E was **approved** subject to the inclusion of Argentina.

1.32 MOD 731E and MOD 733A were **approved**.

1.33 At the suggestion of the **Chairman**, it was **agreed** that MOD 746B should be placed in square brackets until the issues discussed earlier in connection with Document 228 had been resolved.

1.34 MOD 753F, MOD 754 and MOD 760A were **approved**.

1.35 Document 222 as a whole, with the exception of MOD 746B, was **approved**.

2 First and second reports of Working Group 5C (Documents 202(Rev.1)/Corrigendum 1, 240)

2.1 The **Chairman of Working Group 5C**, introducing Corrigendum 1 to Document 202(Rev.1), read out a number of editorial corrections to the table and drew attention to the fact that final agreements still needed to be reached on the power flux-density values shown within square brackets in the column $0^\circ - 5^\circ$ in the section relating to 6 700 - 6 825 MHz.

2.2 The **delegate of Canada** said that, during informal discussions on those values, the French delegation had originally proposed a power flux-density value of -139 dB(W/m²) whereas other delegations had suggested -136 or -137 db. No conclusion having been reached, it had been suggested, as a compromise, to maintain the same power flux-density limits for the entire band so that operators would not have to differentiate between the upper and lower bands and, in order to take account of the extensive discussion and of France's requirements concerning the lower band, to perhaps maintain a combination of the values -134 dB(W/m²) for 1 MHz and -154 dB(W/m²) for 4 kHz in both bands, while recognizing the request by France and some other delegations for the ITU-R to study the application of that combination in the lower band only. Canada had therefore proposed the maintenance of the same values, -134 and -154 dB(W/m²), in the lower band, but with the application of footnote S21.16.7 to that band.

2.3 The **delegate of France** confirmed that his delegation had originally proposed a limit of -139 dB(W/m²). The intention of the compromise proposal was, of course, to obtain a favourable response from as many countries as possible; it was felt that there would be opposition in the Plenary Meeting to the adoption of the values -134 and -154 dB(W/m²), even with the prospect of further studies. His delegation considered that -137 dB(W/m²) for the 6 700 - 6 825 MHz band should satisfy a large number of administrations, on the understanding that further studies would be undertaken and that the next WRC could review the matter if necessary.

2.4 The **delegate of Australia** said that his country had a large number of FS stations, which would be amply protected by a power flux-density value of -154 dB(W/m²). In that connection, his delegation would welcome further clarification from European administrations about their specific requirements for fixed services in the lower 125 MHz band.

2.5 The **delegate of Germany** supported the French proposal. His delegation had also proposed, for the 6 700 - 6 825 MHz band, additional footnotes intended to protect the radio astronomy service which had been supported by several other administrations. The **Chairman** invited the German delegation to submit its proposals in writing.

2.6 The **delegate of Turkey** said that the main point at issue had not been the power flux-density limits but the frequency bands. His delegation could accept a value of -137 dB(W/m²) until WRC-97, since the systems concerned would not be operational until then; however, he appealed to those administrations which already had plans to use the MSS after that date to allow others, such as his own, time to overcome opposition among their own operators.

2.7 The **delegate of China** supported the French proposal, but suggested that the value could be even lower than -137 dB(W/m²).

2.8 The **delegate of the United Kingdom** strongly supported the French proposal; the -137 dB figure was a further compromise in relation to the originally proposed -139 dB, which had itself been a compromise. The **delegate of the Republic of Korea** endorsed that view. The **delegate of Italy** said that his delegation could support the French proposal as a compromise.

2.9 The **Chairman** noted that many speakers could accept a lower power flux-density limit for the lower part of the band than that applicable above 6 825 MHz. If he heard no objection, he would take it that the compromise value of -137 dB was acceptable for 6 700 - 6 825 MHz, bearing in mind the statement in footnote S21.16.7 to the effect that the limits were subject to review by the ITU-R and would apply until revised by WRC-97.

2.10 The **delegate of Canada** said that her delegation would have liked the value of -136 dB(W/m²) to be added as a compromise. Whatever figure was chosen, a value should be added for 4 kHz in order to ensure adequate protection for the FSS; her delegation's suggestion would be -156 dB(W/m²).

2.11 The **Chairman**, having regard to all the views expressed, again invited the meeting to accept a single value, namely, -137 dB(W/m²).

2.12 It was so agreed.

2.13 Subject to the necessary consequential editorial amendments, Corrigendum 1 to Document 202(Rev.1) was **approved**.

2.14 The **Chairman of Working Group 5C**, introducing the Working Group's second report (Document 240), first drew attention to several editorial corrections. In the upper half of the table shown in Annex 1 to the document, the references to S5.441 and ADD S5.458C should be deleted. In the text of ADD 809A, after "[Resolution 46]", the words "in the band 7 025 - 7 075 MHz" should be added. ADD S5.458B was based on discussions between the delegations of Canada and Russia concerning the use of the band concerned in the Earth-to-space direction, and ADD S5.458C was proposed in response to requests for protection of the radio astronomy service. MOD 792A referred to the range of 7 GHz, which was outside the range specified in the table. Agreement had not yet been reached on the amount of spectrum required for non-GSO MSS feeder links and its location in the band 19.2 - 19.7 GHz (space-to-Earth)/29 - 29.5 GHz (Earth-to-space).

2.15 The **Chairman** invited the Committee to take up Document 240 annex by annex.

Annex 1: Article S5

2.16 The **delegate of Germany** considered that provision should be made to cover the spectral line 5 925 - 6 700 MHz, which had been discussed in Committee 4 and was dealt with in Document DT/62 from Working Group 4A. His delegation therefore proposed the addition of a reference to footnote S5.149 in the part of the table relating to 5 925 - 6 700 MHz, subject to possible deletion at a later stage depending on the outcome of Committee 4's work.

2.17 The **delegate of the United States** said that the concern voiced by the delegate of Germany was covered in ADD S5.458C. He proposed that the words "In making assignments" at the beginning of that footnote should be followed by "in the bands 6 700 - 7 075 MHz". The text referred only to the downlink and, as his delegation saw it, did not apply to the uplink between 5 925 - 6 700 MHz. Referring to ADD 809A [S5.458A], he proposed that the second sentence should be placed within square brackets pending the outcome of the joint consideration by Committees 4 and 5 of the application of RR 2613.

2.18 The United States amendments to ADD S5.458C and ADD 809A [S5.458A] were **approved**.

2.19 The **delegate of Viet Nam**, referring to ADD S5.458B, said that his delegation would have preferred a reference to a single date rather than the two dates 17 and 18 November 1995. However, if that caused difficulty, his delegation could accept the text as it stood.

2.20 The **Chairman of Working Group 5A**, referring to the amendment just made to ADD S5.458C, said that the corresponding amendment could easily be made to footnote S5.149. He wondered, however, whether it was necessary to include a multitude of footnotes on the radio astronomy service, since footnote S5.149 urged administrations to take all practical steps to protect that service and drew attention to the likely sources of interference. Perhaps it would be simpler, therefore, to place footnote S5.458C within square brackets for the time being.

2.21 The **Chairman** said that he had some doubts in that regard, since footnotes S5.458C and S5.149 referred to different bands. Perhaps the matter could be taken up by the Secretariat; for the time being, however, he proposed not to place square brackets around ADD S5.458C.

2.22 The **delegate of Germany**, referring to MOD 792A (S5.441), said that there was a space-to-Earth allocation in the band 6 725 - 7 025 MHz. Perhaps a suitable reference should be included in the footnote in order to avoid any risk of misunderstanding of the provisions of Appendix 30B. The **Chairman of Working Group 5C** said that he foresaw no problems in that regard. The **Chairman** observed that the matter was dealt with at length in the CPM Report.

2.23 The **observer for INTELSAT**, speaking as Chairman of the ad hoc Group of Working Group 5C which had looked into the related matters, referred to the proposal by the United States to place the second sentence of ADD 809A [S5.458A] between square brackets, and said that the ad hoc Group had taken the view that RR 2613 should be waived only in respect of the band 5 025 - 7 075 MHz; he was concerned that the Group's conclusions might not be fully taken into account in further discussions on that issue.

2.24 The **Chairman of Working Group 5C** said that, since the matter was closely related to the question of how to define the systems to be protected, the outcome of Committee 4's deliberations must be awaited. In the meantime, he recommended that the sentence in question be left within square brackets.

2.25 The **Chairman** said that further discussion of Annex 1 would have to be deferred until a later meeting.

The meeting rose at 1200 hours.

The Secretary:
G. KOVACS

The Chairman:
G.F. JENKINSON



GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

Note by the Secretary-General

SIGNING CEREMONY

1. At the close of the last Plenary Meeting, the Chairman will announce the time at which the signing ceremony and closure of the Conference will take place.
2. The procedure for the signing ceremony will be as follows :
 - 2.1 Before the ceremony begins, delegations are invited to collect the files containing the sheets of paper to be signed. The files will be distributed at the entrance of Room I.
 - 2.2 In the files, delegations will find the following :
 - a) a sheet marked "ACTES FINALS" for signature to the Final Acts;
 - b) a sheet marked "DÉCLARATIONS / RÉSERVES" for signature to the Declarations and Reservations;
 - c) a pink sheet, on which those signing are kindly requested to print their surnames and first names (or initials) in the order in which they sign.
3. At the opening of the signing ceremony, the Secretary of the Plenary will invite delegations to sign the sheets as indicated above.
4. After a period of about ten minutes, the roll will be called of delegations whose credentials entitle them to sign, inviting delegations to deposit the files with the signed sheets on the table below the rostrum.
5. As the signatures are deposited, the name of the delegation which has deposited its signatures will be announced.
6. At the end of the signing ceremony, the total number of delegations that have deposited their signatures will be announced.

Pekka TARJANNE
Secretary-General



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 308-E
16 November 1995
Original: English

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

NOTE BY THE CHAIRMAN OF THE CONFERENCE

At my request, and with the approval of the Plenary, a small group has met over the past few days to consider a number of questions concerning the provisional application of the revised Radio Regulations.

That group has produced several texts to respond to these issues. These texts are attached and are as follows:

- 1) a draft Article for insertion into the Radio Regulations concerning provisional application of the revised Regulations (Annex 1);
- 2) draft Resolution [...] with respect to implementation of Resolution 46 (Annex 2);
- 3) draft item concerning the work of WRC-97 in reviewing the changes made by this Conference to the Radio Regulations (Annex 3);
- 4) draft Resolution [...] on Article 12 of the Radio Regulations; contained in Document 285(Rev.2).

These texts are submitted for consideration by the Plenary.

Sami S. AL-BASHEER
Chairman

Annexes: 3

ANNEX 1

Draft Article on provisional application of the Radio Regulations

ARTICLE [...]

Provisional Application of the Radio Regulations

These Regulations, which complement the provisions of the Constitution and Convention of the International Telecommunication Union (Geneva, 1992), and as revised and contained in the Final Acts of the World Radiocommunication Conference (Geneva, 1995) shall have provisional application, pursuant to Article 54 of the Constitution, on the following basis.

All revised provisions of these Regulations shall apply provisionally as of [day/month/year], except for those revised provisions concerning new or modified frequency allocations (including any new or modified conditions applying to existing allocations) and the related provisions of S21, S22 and Appendix S4, which shall apply provisionally as of [day/month/year].

ANNEX 2

DRAFT RESOLUTION X

IMPLEMENTATION OF RESOLUTION 46 (REV.WRC-95)

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that this Conference has modified Resolution 46;
- b) that the revised version of Resolution 46 is referred to in several footnotes to the Radio Regulations that have been modified by this Conference;
- c) that these footnotes shall apply provisionally only as from [...];
- d) that some administrations have expressed the wish to start the coordination procedure contained in Resolution 46 (Rev.WRC-95) as soon as possible following this Conference,

considering further

that some administrations have already submitted information on projected networks,

instructs the Bureau

- a) to apply the provisions of Resolution 46 (Rev.WRC-95) to those bands in which the Resolution is mentioned as of 18 November 1995; and
- b) in so doing, to give effect to those footnotes in the revised Radio Regulations in which Resolution 46 is mentioned.

ANNEX 3

WRC-97 proposed agenda (Document 302)

The World Radiocommunication Conference (Geneva, 1995),

.....

resolves

.....

1.1 issues remaining from WRC-95 including consideration of the VGE Report in accordance with Resolutions [COM4-3, COM4-4 and COM4-5] and any essential changes to the simplified Radio Regulations adopted by WRC-95 to ensure consistency between all of their provisions.

.....



PLENARY MEETING

Note by the Chairman of Committee 5

Following discussion among a number of countries, the following is proposed:

RESOLUTION No. 208 (REV.WRC-95)

**USE OF THE FREQUENCY BANDS ALLOCATED TO THE MOBILE-SATELLITE
SERVICES IN THE 1 525 - 1 559 MHz AND 1 626.5 - 1 660.5 MHz RANGE
AND THEIR CONDITIONS OF USE**

The World Radiocommunication Conference (Geneva, 1995),

considering

- a) that the demand for frequency allocations for the various mobile-satellite services has increased during the last few years;
- b) that, while WARC-92 and WRC-95 provided additional spectrum in the 1.6/2.4 GHz, 2 GHz and 2.5/2.6 GHz range to facilitate the development of mobile-satellite services on a national, regional and worldwide basis, demand exists for use of the bands 1 525 - 1 544 MHz, 1 545 - 1 559 MHz/1 626.5 - 1 645.5 MHz and 1 646.5 - 1 660.5 MHz;
- c) the needs of national mobile-satellite systems to provide cost-effective and reliable services in the bands 1 525 - 1 544 MHz, 1 545 - 1 559 MHz/1 626.5 - 1 645.5 MHz and 1 646.5 - 1 660.5-MHz;
- d) the needs of the maritime and aeronautical communities for provision of cost-effective and reliable services, including safety services, on a worldwide basis in the bands 1 525 - 1 544 MHz, 1 545 - 1 559 MHz/1 626.5 - 1 645.5 MHz and 1 646.5 - 1 660.5 MHz;
- e) the International Telecommunication Union Convention and Constitution (Geneva, 1992) and the Administrative Regulations presently in force provide the basis for all administrations to rationally and equitably fulfil their requirements for access to the geostationary orbit and radio-frequency spectrum;
- f) that the provisions of Article 11 of the Radio Regulations and Resolution 46 as appropriate provide the regulatory framework for all administrations to coordinate national, regional and

worldwide mobile-satellite systems in the 1 525 - 1 544 MHz, 1 545 - 1 559 MHz/1 626.5 - 1 645.5 MHz and 1 646.5 - 1 660.5 MHz;

- g) the right of each administration to decide how or whether to participate in mobile-satellite systems, and to determine the terms and conditions of access to such systems from its territory;
- h) the obligation for entities and organizations providing international or national telecommunications by mobile-satellite networks to operate under the legal, financial and regulatory requirements of the administrations in whose territory these services are authorized;
- i) that the ITU-R is studying the possibility and need for maritime, aeronautical and land mobile-satellite systems to use common frequency bands of the mobile-satellite services,

resolves

- 1 that administrations responsible for the coordination of mobile-satellite systems operating in the bands 1 555 - 1 559 MHz and 1 656.5 - 1 660.5 MHz shall recognize the precedence for provision of national service, and requirements of those administrations listed in Nos. 730B and 730C; subject to the agreement of the administrations concerned these bands may be used to provide multinational service;
- 2 that administrations responsible for the coordination of mobile-satellite systems, intending to provide national, regional or worldwide services in the 1 525 - 1 530 MHz and 1 626.5 - 1 631.5 MHz bands, should recognize the needs of administrations to equitably fulfil their national requirements;
- 3 that administrations responsible for the coordination of mobile-satellite systems, intending to provide national, regional or worldwide services operating in accordance with the table of frequency allocations of the Radio Regulations, in the 1 530 - 1 544 MHz, 1 545 - 1 555 MHz, 1 631.5 - 1 645.5 MHz and 1 646.5 - 1 656.5 MHz bands, should recognize the worldwide needs of the maritime and aeronautical communities, the requirements of those administrations wishing to provide national, regional or worldwide services and the requirements of those administrations listed in No. 726C, in order to equitably fulfil such requirements;
- 4 that in defining the characteristics of the antennas of such systems, all practicable technical means available shall be used to reduce to the maximum extent practicable the radiation over the territories of other countries, unless an agreement has been previously reached with such countries,

invites

- 1 the ITU-R to study as a matter of urgency, the technical and operational issues relating to applications, spectrum requirements, available and future technology and intersystem and intrasystem sharing aspects concerning the mobile-satellite systems;
- 2 the International Maritime Organization (IMO), ICAO and other interested international organizations and other participants in the work of the ITU-R to cooperate in these studies and to make the results of their own studies available to the ITU-R,

instructs the Secretary-General

- 1 to bring this Resolution to the attention of IMO and ICAO;
- 2 to bring this Resolution to the attention of the Director, ITU-R.



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 310-E
17 November 1995

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

DECLARATIONS

At the time of signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the undersigned delegates take note of the following statements made by signatory delegations:

1

Original: English

For the Republic of Maldives:

The delegation of the Republic of Maldives in signing the Final Acts reserves for its Government the right to take such action as it deems necessary, to safeguard its interests in the event of any Member failing in any way to comply with the requirements of the Constitution and Convention of the ITU or the Annexes thereto, or should reservation by another country jeopardize its telecommunications services.

2

Original: Spanish

For the Republic of Paraguay:

The Republic of Paraguay supports the allocation of frequency bands to the new services (NGSO MSS), provided those services do not cause harmful interference to services currently in operation (particularly in the bands below 3 GHz); requests that every effort be made to achieve a satisfactory frequency sharing plan and that the time-frames for the possible migration of stations to other bands be complied with; and reserves the right not to accept harmful interference caused within its territory by the operation of the new services.

3

Original: English

For the Republic of Mauritius:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Republic of Mauritius reserves for its Government the right to take such measures as it might deem necessary to safeguard its interests should any country fail in any way to respect any of the conditions specified in these Final Acts or should the reservation made by any country be prejudicial or detrimental to radiocommunication services in the Republic of Mauritius.

4

Original: English

For the People's Republic of Bangladesh:

Bangladesh reserves the right of its Government to take action it considers necessary to protect its interests and safeguard the operation of its telecommunication services.

It also reserves the right to make any reservation it deems necessary prior to the ratification of these Final Acts if any provision contradicts the constitution of the People's Republic of Bangladesh.

5

Original: French

For the Republic of Guinea:

The delegation of the Republic of Guinea reserves for its Government the right to take such action at it deems necessary, in line with its national legislation and international law, to safeguard its national interests should other Members fail to comply with the Constitution and Convention of the International Telecommunication Union (Geneva, 1992) or should the reservations made by the representatives of other States jeopardize the proper functioning of its telecommunication services or the full exercise of its sovereign rights.

6

Original: English

For the Republic of Singapore:

The delegation of the Republic of Singapore reserves for its Government the right to take any action it considers necessary to safeguard its interests should any Member of the Union fail in any way to comply with the requirements of the Final Acts of the World Radiocommunication Conference (Geneva, 1995), or should reservations by any Member of the Union jeopardize the Republic of Singapore's telecommunication services, affect its sovereignty or lead to an increase in its contributory share towards defraying the expenses of the Union.

The delegation of the Republic of Singapore further reserves for its Government the right to make any additional reservations which it considers necessary up to and including the time of its ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 1995).

7

Original: English

For Turkey:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of Turkey reserves for its Government the right to take whatever action it may deem necessary to safeguard its interests on the decisions taken by the Conference in modifying, amending, deleting and adding provisions, footnotes, tables, Resolutions and Recommendations in the Radio Regulations, should any Member fail in any way to comply with the Final Acts, Annexes and the Radio Regulations thereto, in using its existing services and introducing new services for space, terrestrial and other applications or should any reservation entered by other countries jeopardize the proper operation of its telecommunication services.

8

Original: French

For the Republic of Cameroon:

The delegation of the Republic of Cameroon to the World Radiocommunication Conference (Geneva, 1995), in signing the Final Acts of the Conference, declares that the Government of its country has always fulfilled all commitments entered into on its behalf. Nevertheless, on behalf of its Government the delegation of the Republic of Cameroon reserves the right:

- 1 to take any measures it may deem necessary to protect its legitimate interests should other Members of the International Telecommunication Union fail in any way to comply with the provisions of these said Final Acts or of the Radio Regulations;
- 2 to take, in addition, any steps it deems necessary to protect its interests should the reservations expressed by other Members of the International Telecommunication Union run counter to those interests.

9

Original: English

For Ghana:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of Ghana reserves for its Government the right to take any action it considers appropriate to safeguard its legitimate interests, should they be jeopardized through the failure of any Member of the International Telecommunication Union to comply with the provisions of these Final Acts, and to express reservations on any provisions not compatible with its laws and regulations.

10

Original: English

For the Republic of Kenya:

The delegation of the Republic of Kenya herewith declares on behalf of its Government and on behalf of the powers conferred on it:

- 1 that it reserves the right of its Government to take any action it may consider necessary to safeguard and protect its interests should any Member fail to comply as required with the provisions in the Final Acts and Annexes thereto adopted by this Conference;
- 2 that the Government of the Republic of Kenya does not accept responsibility for consequences arising out of the reservations made by Members of the Union.

11

Original: English

For the Democratic People's Republic of Korea:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Democratic People's Republic of Korea reserves the right of its Government to take any action it deems necessary to protect its interests if any other country fails in any way to observe the provisions of the Final Acts of the Conference or if reservations entered by other countries disturb the proper operation of its telecommunication services or jeopardize its sovereignty.

12

Original: English

For Malta:

The delegation of Malta to the World Radiocommunication Conference (Geneva, 1995) reserves for its Government the right to take such action as it considers necessary to safeguard its interests should any Member fail in any way to abide by the provisions of the Constitution and Convention of the International Telecommunication Union, Geneva, 1992, as amended by the Plenipotentiary Conference, Kyoto, 1994, and of the Final Acts of the Conference, Geneva, 1995.

13

Original: French

For the Togolese Republic:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Togolese Republic reserves for its Government the right to take any action it considers necessary for safeguarding its interests should any Member of the Union fail in any way to comply with the provisions agreed upon at WRC-95, including all Resolutions, Recommendations and revised parts of the Radio Regulations, or should the operation of new non-geostationary-satellite systems not take into account the protection of its telecommunication services.

14

Original: French

For Burkina Faso:

The delegation of Burkina Faso to the World Radiocommunication Conference (Geneva, 1995), reserves for its Government the right to take any action it considers necessary in accordance with its national legislation and international law to protect its interests should Members fail in any way whatever to comply with the provisions of the Final Acts of the Conference or should reservations by Members jeopardize the efficient operation of its telecommunication services.

15

Original: French

For the Central African Republic:

By virtue of the powers conferred upon it, the delegation of the Central African Republic has the honour to sign the Final Acts of the World Radiocommunication Conference (WRC) held at Geneva, Switzerland, from 23 October to 17 November 1995. However, it reserves for its Government the right to take any action it may consider necessary and useful to safeguard its interests should the new provisions be violated by any Member of the Union.

16

Original: Spanish

For the Republic of Colombia:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Republic of Colombia:

- 1 Declares that it reserves for its Government the right:
 - a) To take any measures it may deem necessary, in conformity with its domestic law and with international law, to safeguard its national interests should any other Members fail to comply with the provisions of the Radio Regulations or other documents contained in the Final Acts of the Conference, or should reservations by representatives of other States jeopardize the telecommunication services of the Republic of Colombia or its full sovereign rights.
 - b) To express reservations, under the Vienna Convention on the Law of Treaties of 1969, with regard to the Final Acts of the World Radiocommunication Conference (Geneva, 1995), at any time it sees fit between the date of the signature and the date of the possible ratification of the international instruments constituting those Final Acts.

2 Reaffirms, in their essence, reservations Nos. 40 and 79 made at the World Administrative Radio Conference (Geneva, 1979) and No. 43 made at the World Administrative Radio Conference (Malaga-Torremolinos, 1992), especially with regard to the new provisions included in the Radio Regulations (Geneva, 1995) and other documents of the Final Acts.

3 Declares that the Republic of Colombia considers itself bound by the Radio Regulations (Geneva, 1995) only in so far as it expressly and duly consents to be bound, and subject to the completion of the appropriate procedures established in its domestic law.

17

Original: English

For the United Republic of Tanzania:

The delegation of the United Republic of Tanzania signed the Final Acts of the World Radiocommunication Conference for Dealing with Simplification of the Radio Regulations and Frequency Allocations in Certain Parts of the Spectrum (Geneva, 1995), on the understanding that all Parties to the Agreement will abide with all issues agreed at the Conference including all Resolutions, Recommendations and the revised parts of the Radio Regulations; in particular, regarding the following:

- that all administrations operating equipment/systems in the frequency bands below 1 GHz, in the 1 GHz to 3 GHz and above 3 GHz bands shall use frequencies which are in accordance with the agreed plan or plans to be made in the future, and that operation of such equipment/systems shall not cause interference to equipment/systems installed within Tanzania's borders;
- that administrations operating terrestrial radiocommunication systems, geostationary-satellite systems, non-geostationary-satellite systems, LEO satellite systems and broadcasting-satellite (sound) systems in the agreed frequency bands shall ensure that their frequencies will not cause interference to equipment/systems installed within Tanzania's borders. Tanzania expects to join other States in the Region to have a regional satellite system. Therefore, Tanzania expects that some of the agreed BSS frequency bands, the other satellite frequency bands and appropriate space locations will be available for the regional satellite project;
- that Tanzania will continue to broadcast on double-sideband (DSB) up to the agreed date of 2015. Subject to the availability of cheap SSB receivers, Tanzania will replace its DSB transmitters with SSB transmitters in 2015.

In the event that some Members will not execute the Final Acts of WRC-95, the Tanzanian Government will take the necessary measures to ensure proper operation of its equipment/systems within its borders and realization of their regional satellite project.

18

Original: French

For the Republic of Senegal:

In signing these Final Acts subject to ratification by its Government, the delegation of the Republic of Senegal declares that its country reserves the right to take such action at it may deem necessary to safeguard its interests should:

- a) other Members fail to comply with the provisions of the Final Acts of the World Radiocommunication Conference (Geneva, 1995);
- b) reservations entered by other countries jeopardize the operation of its telecommunication services.

19

Original: English

For the Republic of Indonesia:

The delegation of the Republic of Indonesia to the World Radiocommunication Conference (Geneva, 1995):

1 Reserves the right of its Government to take any action and preservation measures it deems necessary to safeguard its national interests should the Final Acts drawn up in the World Radiocommunication Conference (Geneva, 1995) directly or indirectly affect its sovereignty or be in contravention with the Constitution, Laws and Regulations of the Republic of Indonesia as well as with the rights of the Republic of Indonesia which exist and may result from any principles of international law. In this regard the Government of the Republic of Indonesia will recognize the legitimate interests of other countries with a view to improving the use of the geostationary and/or non-geostationary-satellite orbit, broadcasting service and other radiocommunication services for the benefit of mankind.

2 Further reserves the right of its Government to take any action and preservation measures it deems necessary to safeguard its national interests should any administration in any way fail to comply with the provisions and the requirements in the Final Acts of the World Radiocommunication Conference (Geneva, 1995) or should the consequences of reservations by any administration jeopardize the rights of the Republic of Indonesia under the Final Acts.

20

Original: French/
English/
Spanish

For the Federal Republic of Germany, Austria, Belgium, Denmark, Spain, Finland, France, Greece, Ireland, Italy, Luxembourg, the Kingdom of the Netherlands, Portugal, the United Kingdom of Great Britain and Northern Ireland and Sweden:

The delegations of the Member States of the European Union declare that the Member States of the European Union will apply the revision of the Radio Regulations adopted at this Conference in accordance with their obligations under the Treaty establishing the European Economic Community.

21

Original: French

For the Republic of Burundi:

The delegation of the Republic of Burundi reserves for its Government the right to take any action it may consider necessary to protect its interests should certain Members fail in any way whatever to observe the provisions of the Radio Regulations and the Final Acts of this Conference.

22

Original: English

For the Kingdom of Lesotho:

The delegation of the Kingdom of Lesotho reserves for its Administration the right to take any action it may consider necessary to safeguard and protect its interests, should certain Members of the Union fail to observe the provisions contained in the Final Acts and Annexes thereto adopted by this Conference, and should reservations entered by other Members jeopardize the operation of its radiocommunication services.

23

Original: English

For Thailand:

The delegation of Thailand to the World Radiocommunication Conference (Geneva, 1995) reserves for its Government the right to take any action it deems necessary to safeguard its interests should any Member or Members of the International Telecommunication Union fail, in any way, to comply with the Final Acts of this Conference and the Annexes thereto, or should any of the declarations by other Members jeopardize its telecommunication services or infringe its national sovereignty.

Original: English

For Greece:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995) the delegation of Greece declares:

- 1 that it reserves for its Government the right:
 - a) to take any action consistent with its national and international law that it may consider or deem necessary or useful to protect and safeguard its sovereign and inalienable rights and legitimate interests, should any Member State of the International Telecommunication Union fail in any way to comply with or apply the provisions of these Final Acts, which include the Radio Regulations and the Resolutions of the Conference, or should the acts of other entities or third parties affect its national sovereignty;
 - b) to make, under the Vienna Convention on the Law of Treaties of 1969, reservations to the above-mentioned Final Acts at any time it considers proper between the date of signature and the date of their ratification or approval and not to be bound by any provision of these Final Acts or of the Constitution and the Convention of the International Telecommunication Union restricting its sovereign right to make reservations;
- 2 that it is fully established that the term "country", used in the provisions of these Final Acts and in any other instrument or act of the International Telecommunication Union with regard to its Members and their rights and obligations, is regarded as being synonymous in all respects with the term "sovereign State" as legally constituted and internationally recognized.

Original: French

For the Gabonese Republic:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Gabonese Republic reserves for its Government the right:

- 1 to take such action as it may deem necessary to safeguard its interests should other Members fail to comply in any way whatever with the decisions taken by this Conference, or should reservations entered by any other Members be such as to jeopardize the operation of its telecommunication services;
- 2 to accept or reject the consequences of decisions which might directly jeopardize its sovereignty, in particular any relating to the increased use of the mobile-satellite service in the bands between 1 - 3 GHz, and in the bands between 5 - 7 GHz allocated to feeder links for the mobile-satellite service.

26

Original: French

For the Republic of Senegal:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of Senegal formally declares that it maintains the reservations entered into on behalf of its Administration. Indeed, it considers:

- 1 that there is a contradiction between *resolves* 1 of Resolution GT PLEN-2 (WRC-95) and Resolution 20 of the Plenipotentiary Conference (Kyoto, 1994);
- 2 that it is necessary to convene a planning conference before authorizing the use of HF bands allocated to the broadcasting service by the World Administrative Radio Conferences of 1979 and 1992.

27

Original: Russian

For Mongolia:

The delegation of Mongolia reserves for its Government the right to take such action as it deems necessary to safeguard its interests should any Member of the Union fail to comply with the provisions of the Final Acts of this Conference or should reservations made with respect to the Final Acts or any other action taken by a Member of the Union jeopardize the proper operation of the telecommunication services of Mongolia.

28

Original: English

For the Kingdom of Saudi Arabia, the State of Bahrain, the United Arab Emirates, the State of Kuwait, the Sultanate of Oman and the State of Qatar:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegations of the Administrations of the Cooperation Council for the Arab States of the Gulf (GCC) to this Conference, on behalf of their Governments, reserves the right to take any action it deems necessary to safeguard their interests should they be affected or should any Member fail to comply with the provisions of the Convention or its Annexes, or should reservations by any other country jeopardize their telecommunication services.

29

Original: English

For Malaysia:

The delegation of Malaysia in signing this Final Acts reserves for its Government the right to take such actions as they may consider necessary to safeguard their interest should any Member fail in any way to comply with the requirements of the Radio Regulations of the International Telecommunication Union (Geneva, 1995), or the Annexes thereto or should reservations by other countries jeopardize their interests.

30

Original: English

For Brunei Darussalam:

The delegation of Brunei Darussalam reserves for its Government the right to take any action which it considers necessary to safeguard its interests should any Member of the Union fail in any way to comply with the requirements of the Final Acts of the World Radiocommunication Conference (Geneva, 1995), or should reservations by any Member of the Union jeopardize Brunei Darussalam's telecommunication services, affect its sovereignty or lead to an increase in its contributory share towards defraying the expenses of the Union.

The delegation of Brunei Darussalam further reserves for its Government the right to make any additional reservations which it considers necessary up to and including the time of its ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 1995).

31

Original: English

For the Former Yugoslav Republic of Macedonia:

The delegation of the Republic of Macedonia to the World Radiocommunication Conference (Geneva, 1995), declares that the Republic of Macedonia reserves the right to take such actions it may consider necessary to protect its interests in cases where a Member of the Union fails to comply with the provisions of the Radio Regulations as modified by this Conference or make reservations that jeopardize the operation of its radiocommunication services.

32

Original: English

For the Republic of Zimbabwe:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Republic of Zimbabwe states that its Administration would comply with the provisions of the Final Acts of WRC-95 without prejudice to the Republic of Zimbabwe's sovereign right to take any measures that the Government of Zimbabwe deems necessary to safeguard and protect its telecommunication and other communication services in the event of harmful interference caused to the said services by any Member of the Union failing to comply with the provisions of the Radio Regulations as revised and adopted by this Conference.

33

Original: English

For the Kingdom of Swaziland:

The delegation of the Kingdom of Swaziland reserves the right of its Government to take any action it deems necessary to safeguard its interests in the event of Members failing in any way to comply with the provisions of the Final Acts of the World Radiocommunication Conference (Geneva, 1995), or should reservations by other countries jeopardize its telecommunications services.

34

Original: English

For the Republic of Angola:

In signing the Final Acts of the World Radiocommunication Conference of the International Telecommunication Union, the delegation of Angola declares on behalf of its Government:

- a) that it accepts no consequence of the reservations made by other governments;
- b) that it reserves for its Government the right to take any steps it may consider necessary to safeguard its interests should any country fail in any way to comply with the provisions of the Regulations of the Radiocommunication Bureau of the International Telecommunication Union as amended by the Final Acts of this Conference, or if any reservations expressed by other countries were to jeopardize the proper operation of its telecommunication services;
- c) that it also reserves for its Government the right to express additional specific reservations to these Final Acts or to any other instrument arising from other relevant ITU conferences which has not yet been ratified until such time as the respective instrument of ratification has been deposited.

35

Original: French

For the People's Democratic Republic of Algeria:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the People's Democratic Republic of Algeria reserves for its Government the right to take any measure it considers necessary to safeguard its interests. This reservation concerns, in particular, such harmful interference as may be caused to its fixed and mobile services by the non-geostationary mobile-satellite service networks in sub-bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz until 1 January 2005.

36

Original: English

For the Republic of Zambia:

The delegation of the Republic of Zambia to the World Radiocommunication Conference (Geneva, 1995) wish to declare as follows: in signing the Final Acts of the Conference, the delegation reserves for its Government the right to take any action it may consider necessary to protect the country's telecommunications interests should any Member of the ITU fail in any way to comply with the decisions of this Conference.

37

Original: English

For the Republic of Latvia:

The delegation of the Republic of Latvia reserves for its Government the right to take any action it may deem necessary to safeguard its interests, should any measure adopted by this Conference, reservation deposited or the failure by other countries to comply with this agreement jeopardize the efficient operation of its telecommunication services.

38

Original: English

For the Republic of Chad:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Republic of Chad reserves for its Government the right to take any action it considers necessary to protect its interests should another country or administration fail in any way whatever to comply with the provisions of the Final Acts of this Conference or should reservations by other Members jeopardize the efficient operation of its telecommunication services.

39

Original: Spanish

For Spain:

On behalf of its Government, the delegation of Spain declares that it will not be bound by any rules or provisions adopted by this Conference that are to be applied with retroactive effect.

40

Original: English

For the Republic of South Africa:

The delegation of the Republic of South Africa declares that it reserves for its Government the right to take any action which it may deem necessary to safeguard its interests should any Member fail to comply with the provisions of the Constitution and Convention of the International Telecommunication Union (Geneva, 1992), its Annexes and the Protocols attached thereto, and as amended by the Final Acts of the World Radiocommunication Conference (Geneva, 1995), or should reservations or actions by other Members jeopardize its telecommunication services.

41

Original: Spanish

For Ecuador:

In signing the Final Acts, the delegation of Ecuador reserves for its Government the right to take whatever measures it considers necessary should Ecuador's telecommunication services suffer interference from the radio stations of another country, or should its interests be jeopardized in any way by any action of another country, as a result of that country's failure to comply with the decisions of this Conference, or should reservations by other Members of the Union jeopardize its telecommunication services.

42

Original: Spanish

For Mexico:

In signing the Final Acts, the delegation of Mexico to the ITU World Radiocommunication Conference (Geneva, 1995) reserves on behalf of its Government the right to take any measures it considers necessary to safeguard its interests should other Member countries fail in any way whatever to comply with the provisions of these Acts or should reservations by other Members of the Union jeopardize the efficient operation of its telecommunication services.

This reservation also applies to cases where other Members of the Union fail to comply with their obligations under the Radio Regulations and their adopted amendments applicable, under Article 4 of the Constitution, at the time of this Conference.

43

Original: English

For Canada:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of Canada reserves for its Government the right to take any measures it might deem necessary to safeguard its interests if another country should in any way fail to respect the conditions specified in the Final Acts or if the reservations made by any country should be prejudicial to the operation of radiocommunication services of Canada.

The delegation of Canada further declares that it reserves for its Government the right to make any statements or reservations when depositing its instruments of ratification for the Final Acts of the World Radiocommunication Conference (Geneva, 1995).

44

Original: English

For the Federative Republic of Brazil:

Brazil came to this Conference with a proposal to advance the date of entry into force of the MSS allocation in the 2 GHz band, in order to allow for earlier competition while preserving the band agreed upon by CITEL Member countries for terrestrial personal communication systems. A key concern of the Brazilian Administration has always been the protection of its fixed service in that band. However, Brazil decided to be part of the consensus within CITEL to foster the integration of our Region and subscribed Document WRC95/260.

Nevertheless, we reiterate the above-mentioned concern: the transition to this new allocation should be careful and gradual. In particular, the Brazilian Administration plans to continue using terrestrial links beyond 1 January 2000 in the band 2 170 - 2 180 MHz and 1 January 2005 in the band 2 020 - 2 025 MHz, and we expect that a future conference will adequately deal with the allocation to the MSS in the latter band.

45

Original: English

For the Islamic Republic of Iran:

IN THE NAME OF GOD

The delegation of the Islamic Republic of Iran reserves for its Government the right to take any action as it may consider necessary to safeguard its interests should they be affected by decisions taken at this World Radiocommunication Conference (Geneva, 1995), or by failure on the part of any other country or administration in any way to comply with the provisions of the instruments amending the Constitution and Convention of the International Telecommunication Union as adopted by the Plenipotentiary Conference (Kyoto, 1994), or the Annexes or the Protocols and Regulations attached thereto, or these Final Acts, or should reservations or declarations by other countries or administrations jeopardize the proper and efficient operation of its telecommunication services, or infringe the full exercise of the sovereign rights of the Islamic Republic of Iran.

46

Original: English

For the Syrian Arab Republic:

The delegation of the Syrian Arab Republic reserves for its Administration the right to take any action it considers necessary to protect its interests if Members of the Union should fail in any way whatever to comply with the provisions of the Radio Regulations, or if reservations made by other Members should jeopardize the efficient operation of its radiocommunication services.

47

Original: English

For the People's Democratic Republic of Algeria, the Kingdom of Saudi Arabia, the Islamic Republic of Iran, the Lebanon, the Socialist People's Libyan Arab Jamahiriya and the Syrian Arab Republic:

The above-mentioned delegations to the World Radiocommunication Conference (Geneva, 1995), declare that the signature and possible ratification by their respective Governments of the Final Acts of this Conference, should not be valid for the ITU Member under the name "Israel", and in no way whatsoever imply its recognition by these Governments.

48

Original: Spanish

For Peru:

In signing the Final Acts of the World Radiocommunication Conference of the International Telecommunication Union (Geneva, 1995), the delegation of Peru expresses its concern at the failure to make due provision for the requirement it submitted for the introduction in the Radio Regulations of the additional allocation indicated by "Different category of service" in the bands 137 - 143 MHz. It also reserves for its Government the right to take such action as it may consider necessary to protect its interests and allow appropriate development of the radiocommunication services necessary for its national development.

In addition, it reserves for its Government the right to take such action as it may consider necessary to protect its interests should other Members fail in any way to comply with the provisions set forth in the Radio Regulations and in the Constitution and Convention of the International Telecommunication Union and the annexes or protocols thereto or should reservations made by other Members jeopardize the proper operation of its telecommunication services.

49

Original: English

For Canada:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of Canada considers that the number of items appearing on the agenda for the 1997 World Radiocommunication Conference, as adopted through Resolution GT PLEN-3, to be excessive, and therefore urges the 1996 session of the ITU Council to critically examine this agenda from the point of view of conformity with the budgetary ceilings established by the Plenipotentiary Conference (Kyoto, 1994) and the biennial budget approved by the 1995 session of the Council.

50

Original: French

For France:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the French delegation expresses reservations should the number and complexity of the texts adopted within a very limited time give rise to interpretations which are not in conformity with the final consensus of the Conference.

*

* *

By this reservation, France formally declares that it does not recognize the potentially retroactive character of the provisions adopted by the World Radiocommunication Conference 1995, in so far as they might affect legal situations which have arisen from the Radio Regulations in force at the date of signature of these Final Acts.

France therefore reserves the right not to apply or comply with decisions of the ITU, its Sectors or its Members, or recognize the validity of objections to its own requests, whatever origin, if the application of the aforesaid provisions were to modify, directly or indirectly, the rights or obligations of the various Administrations, as recognized at the date of signature of these Final Acts and deriving from the application of the procedures in force on that date.

51

Original: Spanish

For Spain:

The Spanish delegation reserves for the Kingdom of Spain the right, in accordance with the Vienna Convention on the Law of Treaties of 23 May 1969, and in view of the difficult conditions in which the texts contained in the Final Acts of this Conference were adopted, to express reservations to those Final Acts up until the time of deposit of the appropriate instrument of ratification.

52

Original: English

For New Zealand:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the New Zealand delegation reserves for its Government the right to take such measures as it might deem necessary to safeguard its interests if any other country should in any way fail to respect the conditions specified in the Final Acts or if the reservations made by any country should be prejudicial or detrimental to radiocommunication services in New Zealand.

In addition, New Zealand reserves the right to make appropriate specific reservations and statements prior to ratification of the Final Acts.

Original: English

For the People's Democratic Republic of Algeria, the Kingdom of Saudi Arabia, the Arab Republic of Egypt, the Hashemite Kingdom of Jordan, the State of Kuwait, Lebanon, the Kingdom of Morocco, the Sultanate of Oman, the Syrian Arab Republic and Tunisia:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegations of the People's Democratic Republic of Algeria, the Kingdom of Saudi Arabia, the Arab Republic of Egypt, the Hashemite Kingdom of Jordan, the State of Kuwait, Lebanon, the Kingdom of Morocco, the Sultanate of Oman, the Syrian Arab Republic and Tunisia reserves for their Governments the right to take any action they consider necessary to protect their interests; this reservation is justified among other things by:

- 1 doubt as to the exactness of the relationship between the revisions of the different parts of the Radio Regulations and between those revisions and the associated Resolutions and Recommendations;
- 2 the impossibility for a country of developing an economically viable broadcasting-satellite network in view of the limitations recommended by this Conference to be taken into consideration by the World Radiocommunication Conference scheduled for 1997 when it proceeds to revise Appendices 30 and 30A.

Original: English

For Italy:

By the present reservation, Italy formally states that it does not recognize the potentially retroactive character of the provisions adopted by the World Radiocommunication Conference 1995, as far as they could prejudice the legal situation, established under the provisions of the Radio Regulations in force at the date of the signature of the present Final Acts.

Consequently, Italy reserves its right not to apply or not to respect decisions of ITU, its sectors or its Members, or not to recognize the validity of objections to its own requests, whatever their origin, as far as the application of the above-mentioned provisions would modify, directly or indirectly, the effectiveness and the implementation of the requests, the rights or obligations of Administrations existing at the date of signature of the present Final Acts, as they result from application of procedures in force at the same date.

55

Original: English

For the Socialist Republic of Viet Nam:

In signing the Final Acts of the World Radiocommunication Conference 1995 (WRC-95), the Vietnamese delegation declares on behalf of the Socialist Republic of Viet Nam that:

- 1 It maintains the reservations made at the Nairobi Plenipotentiary Conference (1982) and reaffirmed at the Plenipotentiary Conferences of the International Telecommunication Union held in Nice, 1989; Geneva, 1992 and Kyoto, 1994.
- 2 Future operation of mobile-satellite services in certain frequency bands in accordance with the decisions of the Conference (WRC-95) may affect the use by Viet Nam of existing services in these bands. Therefore, it reserves for its Government the right to continue the operation of existing services in the bands without being affected by harmful interference.
- 3 It reserves for its Government the right to take any action as it may consider necessary to safeguard its interests should any of the reservations or declarations by other Members jeopardize its telecommunication services or threaten its national sovereignty.

56

Original: English

For Papua New Guinea:

In signing the Final Acts of the ITU Radiocommunication Conference (Geneva, 1995) which, *inter alia*, reviewed the simplified Radio Regulations and considered the technical, regulatory and administrative issues on the mobile-satellite service, and in the light of declarations and reservations deposited, the delegation of Papua New Guinea is obliged to reserve for its Government the right to take such actions as it may consider necessary to safeguard its interests should any Member(s) of the ITU fail to observe the provisions adopted by this Conference and in so doing cause harmful interference to radiocommunication systems and services which are under the jurisdiction of the Government of Papua New Guinea.

57

Original: English

For the Republic of Hungary:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Republic of Hungary reserves the right for its Government to take such action as it may consider necessary to safeguard its interest should any Member States of the Union fail in any way to observe or comply with the provisions of these Final Acts or should reservations by other countries jeopardize the proper operation of its radiocommunication services.

58

Original: English

For the Republic of Cyprus:

The delegation of the Republic of Cyprus reserves for its Government the right not to be bound by those provisions adopted by the World Radiocommunication Conference (WRC-95) which are potentially retroactive in character and could prejudice the legal situation established under the auspices of the Radio Regulations in force on the date of signature of the present Final Acts.

59

Original: English

For Luxembourg:

By the present reservation, Luxembourg formally states that it does not recognize the potentially retroactive character or the provisions adopted by the World Radiocommunication Conference 1995, as far as they could prejudice the legal situation, established under the auspices of the Radio Regulations in force at the date of signature of the present Final Acts.

Consequently, Luxembourg reserves the possibility for itself not to apply or not to respect decisions of ITU, its sectors or its Members, or not to recognize the validity of objections to its own requests, whatever their origin, as far as the application of the above-mentioned provisions would modify, directly or indirectly, the rights or obligations of the Administrations, established at the date of signature of the present Final Acts, as they result from the application of procedures in force at the same date.

60

Original: Spanish

For Cuba:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of Cuba reserves for its Government the right to take such action as it deems necessary to safeguard its interests should any Member fail to comply with the provisions of these Final Acts or use its radiocommunication services for purposes contrary to those established in the Preamble to the Constitution of the International Telecommunication Union, or should reservations by any other Member jeopardize its telecommunication services.

The delegation of Cuba also reiterates and incorporates by reference in these Final Acts all its reservations and declarations made at previous world administrative radiocommunication conferences.

The delegation of Cuba reserves for its Government the right to make any additional reservations which it deems necessary until ratification of the aforesaid Final Acts.

61

Original: Spanish

For the Argentine Republic:

The delegation of the Argentine Republic reserves for its Government the right to take any action it may deem necessary to safeguard its interests should any decision taken by this Conference, reservations made by other Members of the Union, or failure by other countries to comply with this agreement jeopardize the proper operation of its telecommunication services.

62

Original: English

For the Republic of India:

In signing the Final Acts of the World Radiocommunication Conference, Geneva, 1995 (WRC-95), the delegation of the Republic of India reserves for its Government the right to take such actions, as may be considered necessary, to safeguard its interests should any Administration make reservations and/or not accept the provisions of the Final Acts or fail to comply with one or more provisions of the Final Acts, including those which form a part of the Radio Regulations.

63

Original: English

For the Republic of the Philippines:

The delegation of the Republic of the Philippines reserves for its Government the right to take any action it deems necessary and sufficient, consistent with its national law to safeguard its interests, should reservations made by representatives of other States jeopardize its telecommunication services or prejudice its rights as a sovereign country.

The Philippines delegation further reserves for its Government the right to make any declaration or reservations prior to the deposit of the instrument of ratification of the Final Acts of the World Radiocommunication Conference 1995, held in Geneva, from 23 October - 17 November 1995.

Original: English

For the Federal Republic of Germany, the Republic of Cyprus, the Republic of Hungary, Luxembourg, Norway, the Kingdom of the Netherlands, Portugal and Sweden:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegations of the above-mentioned countries formally declare that their agreement to Resolution PLEN-1 is on the explicit understanding that the application of the provisions of the said Resolution has no detrimental retroactive effect whatsoever on geostationary-satellite systems and networks under coordination, coordinated, notified or recorded. In particular, they will only accept "*resolves 2*" in connection with "*resolves 3*" of this Resolution to mean that non-geostationary-satellite networks and systems which were notified or recorded before 18 November 1995 will continue to have to observe Radio Regulation No. **2613** with respect to geostationary-satellite networks and systems under coordination, coordinated, notified or recorded before 18 November 1995, i.e. there will be no change in their respective rights and obligations. The relation, i.e. the "respective status" as referred to in "*resolves 3*" of the said Resolution, between the aforementioned geostationary and non-geostationary-satellite networks and systems will therefore continue to be governed by the provisions of Articles 11 and 13 of the Radio Regulations (Edition 1990, revised in 1994), i.e. this relation remains unchanged and is not affected by the said Resolution. The delegations of the above-mentioned countries formally declare that they will consider any interpretation contrary to the above as null and void and as not establishing any obligation whatsoever on the Governments or the Administrations of their countries. The delegations of the above-mentioned countries therefore reserve for their Governments the right to take any action they might consider necessary to safeguard their interests with regard to the matter referred to above.

Original: English

For the People's Republic of China:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the Chinese delegation declares on behalf of its Government that:

1 In view of the possibility of harmful interference from the operation of non-GSO MSS including their feeder links and non-GSO FSS in some frequency bands newly allocated to them by the Conference to the use of those services already allocated in these bands, the Chinese delegation reserves for its Government the right to continue to use the existing and planned services in these bands free from harmful interference.

2 In view of the absence of relevant technical standards and computing programmes in some coordination procedures contained in the Radio Regulations revised at this Conference, the Chinese delegation reserves for its Government the right to take any actions it may consider necessary to safeguard its interests.

3 Given that some parts of the Final Acts were adopted in very limited time and in the case of the legal confusion which might ensue as a consequence, the Chinese delegation reserves for its Government the right to take any measures aimed at safeguarding its interests.

4 The Chinese delegation reserves for its Government the right to take such actions it may deem necessary to safeguard its interests, should any Member fail in any way to comply with the requirements of these Final Acts or should reservations by other countries jeopardize its interests.

5 The Chinese delegation reserves for its Government the right to make additional reservations when ratifying the Final Acts.

66

Original: Russian

For the Republic of Armenia, the Republic of Belarus, the Republic of Kazakhstan, the Republic of Moldova, the Republic of Uzbekistan, the Republic of Kyrgyzstan, the Russian Federation and Ukraine:

The delegations of the above-mentioned countries reserve for their respective Governments the right to take any action they consider necessary to protect their interests should any Member of the Union fail to comply with the provisions of the Final Acts of this Conference or should reservations made upon signing the Final Acts or other measures taken by any Member of the Union jeopardize the proper operation of those countries' telecommunication services.

Original: English

For the United States of America:

1 The United States of America shall not be deemed to have consented to be bound by revisions of the Radio Regulations adopted at this Conference without specific notification to the International Telecommunication Union by the United States of America of its consent to be bound.

2 The United States of America refers to No. 445 and No. 446 of the International Telecommunication Union Convention (Geneva, 1992) and notes that in considering the Final Acts of this World Radiocommunication Conference (Geneva, 1995), the United States of America may find it necessary to make additional declarations or reservations. Accordingly, the United States of America reserves the right to make additional specific declarations or reservations at the time of deposit of its notification to the International Telecommunication Union of its consent to be bound by the revisions to the Radio Regulations adopted by this World Radiocommunication Conference.

3 The United States of America declares that, in view of the fact that the Conference has unduly restricted allocations for mobile-satellite services in the bands 1 525 - 1 559 MHz and 1 626.5 - 1 660.5 MHz, it will utilize these bands in the way most appropriate to satisfy its particular mobile-satellite service requirements recognizing the priority of AMSS(R) and maritime safety communications.

Original: English

For the United States of America and the United Kingdom of Great Britain and Northern Ireland:

Referring to the frequency range below 3 GHz concerning mobile-satellite services, it is necessary to note that proposals were put forward at this Conference to revise No. 726D (S5.354) to the Table of Frequency Allocations in Article 8 in order to avoid additional and unnecessary burdens of coordination between geostationary and non-geostationary mobile-satellite networks in the bands 1 525 - 1 559 MHz and 1 626.5 - 1 660.5 MHz. There was insufficient time to consider these proposals at this Conference. Accordingly, the above administrations will not accept any additional commitments for coordination arising from No. 726D (S5.354). This reservation is made on behalf of all national and international organizations for whose frequency assignments the two countries are the notifying administrations.



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 311-E
17 November 1995

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

ADDITIONAL DECLARATIONS

69

Original: French

For the Republic of Mali:

In taking note of Document 310 containing the reservations and in signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Republic of Mali reserves for its Government the right to take any action it might consider necessary to protect its interests.

This reservation concerns, in particular:

- 1) the bringing forward to 1 January 1996 of the date for the use of HFBC frequencies allocated at WARC-79, contrary to Resolution 20 of the Plenipotentiary Conference (Kyoto, 1994);
- 2) any deletions or amendments to the Radio Regulations that could jeopardize the protection of fixed or mobile services.

The delegation of the Republic of Mali to the World Radiocommunication Conference (Geneva, 1995) on behalf of its Government also expresses its sincere regret at the discontinuation of assistance, in particular the technical support provided by the Radiocommunication Bureau to the developing countries in the planning of radio frequencies.

70

Original: English

For the Republic of Suriname:

Having taken note of Document 310, the delegation of the Republic of Suriname declares that its Government reserves the right to take such action as it may consider necessary to protect its interests, should a Member fail in any way to observe the provisions of the Constitution and Convention of the International Telecommunication Union (Geneva, 1992), or should the reservations made by such Member jeopardize its telecommunication services or lead to an increase in Suriname's share in defraying the expenses of the Union.

71

Original: French

For Lebanon:

Having taken note of the reservations deposited by certain Members of the Union at the World Radiocommunication Conference (Geneva, 1995) (Document 310), Lebanon herewith formally declares that it does not recognize the potentially retroactive nature of the provisions adopted by this Conference, to the extent that they may prejudice the legal situations established under the auspices of the Radio Regulations in force on the date these Final Acts are signed.

Lebanon therefore reserves the possibility of not applying or not complying with decisions by the ITU, its Sectors or its Members, and of not recognizing the validity of objections to its own requests, of whatever origin, should the application of the above-mentioned provisions directly or indirectly modify the rights and obligations of the Administrations established at the date these Final Acts are signed, arising from the application of procedures in force at the same date.

Original: English

For the Islamic Republic of Pakistan:

Having taken note of the reservations put forward by Members of the Union participating in WRC-95 (in Document 310), Pakistan's delegation declares that:

- 1 In signing the Final Acts of the 1995 World Radiocommunication Conference (WRC-95), the delegation of the Islamic Republic of Pakistan reserves its Government's right of ratification of the decisions taken by the WRC-95 Conference, in accordance with National Law, and further reserves the right of its Government to take effective steps to safeguard and protect its interests if any administration operates any satellite, broadcasting and other telecommunication services/systems in violation of the Radio Regulations in force or the decisions taken by the World Radiocommunication Conference (WRC-95) and ratified by the Government of the Islamic Republic of Pakistan. It also further reserves the right of its Government to take steps if reservations or declarations made by any other country or administration jeopardize the proper and efficient operation of its satellite, broadcasting and other telecommunication services/systems.
- 2 The Government of the Islamic Republic of Pakistan cannot undertake to accept any transmission to or infringement of its territory by means of radio transmissions of any other Administration and reserves its right to take such steps as necessary should this happen.
- 3 That the decisions of the 1995 World Radiocommunication Conference (WRC-95) for dealing with frequency allocations in certain parts of the spectrum regarding areas falling within the territories of the disputed states of Jammu and Kashmir are without prejudice to the position recognized by the relevant resolutions of the United Nations on the question.
- 4 In Pakistan, the use of various frequency bands allocated to MSS on primary/secondary basis, shall not cause harmful interference to or claim protection from other services in these bands having the same status of allocation, or constrain the development of fixed and mobile services.

Original: English

For the Socialist People's Libyan Arab Jamahiriya:

Having noted Document 310 and in signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), the delegation of the Great Socialist People's Libyan Arab Jamahiriya reserves for its country the right to take any measures it considers necessary to safeguard its interests. This reservation concerns, in particular, such harmful interference as may be caused to its fixed and mobile services by the non-geostationary mobile-satellite service networks in sub-bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz, until 1 January 2005.

74

Original: English

For Ethiopia:

Having taken note of Document 310 and in signing the Final Acts of the World Radiocommunication Conference 1995, the delegation of the Federal Democratic Republic of Ethiopia reserves for its Government the right to take any action it considers appropriate to safeguard its legitimate interests, should they be jeopardized through the failure of any Member of the International Telecommunication Union to comply with the provisions of these Final Acts, and to express reservations on any provisions not compatible with its laws and regulations.

75

Original: English

For the State of Israel:

Declaration 47 to the Final Acts made by certain delegations is incompatible with the principles, objects and purpose of the Constitution and Convention of the International Telecommunication Union, and is therefore devoid of all legal validity.

With regard to the substance of the matter, the Government of Israel will adopt towards the Members whose delegations have made the above-mentioned Declaration, an attitude of complete reciprocity. In view of this Declaration, the Government of Israel reserves its right to take any action deemed necessary to protect its interests and to safeguard the operation of its telecommunications services.

76

Original: English

For the Republic of Korea:

The delegation of the Republic of Korea after having considered the declarations contained in Conference Document 310, in signing the 1995 Final Acts of the World Radiocommunication Conference of the International Telecommunication Union, reserves the right for the Government of the Republic of Korea to take any measures it considers appropriate to safeguard its interests.

The delegation of the Republic of Korea further reserves for the Government of the Republic of Korea the right to make any statements and reservations when depositing its instrument of ratification for the Final Acts of the 1995 World Radiocommunication Conference of the International Telecommunication Union.

77

Original: English

For the Republic of Slovenia:

Having taken note of the declarations presented by many delegations, the delegation of the Republic of Slovenia to the World Radiocommunication Conference (Geneva, 1995) declares the following reservation at signing the Final Acts of the WRC-95 and reserves the right for its Government to take such action as it may consider necessary to safeguard its interest should any Member States of the Union fail in any way to observe or comply with the provisions of these Final Acts or should reservations by other countries jeopardize the proper operation of its radiocommunications services.

78

Original: English

For the Federal Republic of Germany, Australia, the Republic of Bulgaria, the United States of America, France, the Republic of India, Italy, Japan, the Principality of Liechtenstein, Luxembourg, Norway, New Zealand, the Kingdom of the Netherlands, the United Kingdom of Great Britain and Northern Ireland and the Confederation of Switzerland:

The delegations of the above-mentioned countries referring to the Declaration made by the Republic of Colombia (No. 16), inasmuch as this statement refers to the Bogota Declaration of 3 December 1976 by equatorial countries and to the claims of those countries to exercise sovereign rights over segments of the geostationary-satellite orbit, and any similar statements, consider the claims in question cannot be recognized by this Conference. Further, the above-mentioned delegations wish to affirm or reaffirm the Declarations made on behalf of a number of the above-mentioned Administrations in this regard when signing the Final Acts of the World Administrative Radio Conference (Geneva, 1979), and the World Administrative Radio Conference on the Use of the Geostationary-Satellite Orbit and the Planning of Space Services Utilizing It (first and second sessions, Geneva, 1985 and 1988), the Plenipotentiary Conference of the International Telecommunication Union (Nice, 1989), in the Final Protocol of the International Telecommunication Convention (Nairobi, 1982) and the Final Acts of the Additional Plenipotentiary Conference (Geneva, 1992), as if these Declarations were here repeated in full.

The above-mentioned delegations also wish to state that reference in Article 44 of the Constitution to the "geographical situation of particular countries" does not imply a recognition of claim to any preferential rights to the geostationary-satellite orbit.

79

Original: English

For Barbados:

The delegation of Barbados, having taken note of the Declaration put forward by Members listed in Document 310 of the World Radiocommunication Conference (Geneva, 1995), reserves for its Government the right to take such measures as it deems necessary to safeguard its interests should other countries in any way fail to respect the conditions specified in these Final Acts, or if a reservation made by any country be prejudicial or detrimental to the radiocommunication services of Barbados.

80

Original: English

For the Slovak Republic:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995) and having studied Document 310, the delegation of the Slovak Republic reserves for its Government the right to take such action as it deems necessary, to safeguard its interests should any Member of the ITU fail in any way to comply with the Final Acts and Annexes or should the reservations made by the representatives of other States jeopardize the proper operation of its telecommunication services.

81

Original: English

For the Republic of Poland:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995) and having read Document 310, the Polish delegation declares that:

- 1 In view of the possibility of harmful interference from non-GSO satellite systems in some frequency bands newly allocated to them by the Conference to those services already operating in these bands according to national regulations, the Polish delegation reserves for its Government the right to continue to use the existing systems in these bands free from harmful interference.
- 2 The Polish Administration in considering the Final Acts of this World Radiocommunication Conference (Geneva, 1995) may find it necessary to make additional declarations or reservations.

82

Original: English

For the United States of America:

With respect to Declarations 39, 50, 54, 59 and 64, the interpretation of the United States of America on the basis of which the majority of delegations to this Conference supported the United States of America and Indonesian proposals which resulted in Resolution PLEN-1 as follows:

Any satellite system, GSO or non-GSO, communicated or notified to the Bureau before 18 November 1995 has a status derived from the date of notification or communication of information required for coordination or notification, as the case may be.

As of 18 November 1995, Resolution 46 applies to all these systems and they shall be coordinated one system with respect to another system in the order of receipt of the information described above.

With respect to the applicability of No. 2613 as agreed in Committee 4, No. 2613 is of an operational character and No. 2613 and Resolution 46 are mutually exclusive.

* *
*

The United States of America reiterates and incorporates by reference all declarations or reservations made at prior world radiocommunication conferences and in particular with regard to Declaration 60 of this Conference.

83

Original: English

For the Federated States of Micronesia:

After having considered the declarations and reservations contained in Conference Document 310, the delegation of the United States of America, acting on behalf of the Government of the Federated States of Micronesia pursuant to No. 190 of the International Telecommunication Union Convention (Geneva, 1992) declares that it reserves for the Government of the Federated States of Micronesia the right to make any statements or reservations necessary to safeguard Micronesian interests should statements or reservations made by other Members jeopardize the proper operation of the telecommunication services of the Federated States of Micronesia.

84

Original: English

For the Federal Republic of Nigeria:

Having studied the declarations contained in Document 310, the Federal Republic of Nigeria, in signing the Final Acts of the World Radiocommunication Conference (Geneva, 1995), reserves the right for its Government to take any measures it might deem necessary to safeguard its interests if another country should in any way fail to respect the conditions specified in the Final Acts or if the reservations made by another country should be prejudicial to the operation of radiocommunication services of the Federal Republic of Nigeria.

Furthermore, the Nigerian delegation declares that the Government of the Federal Republic of Nigeria reserves the right to make any change when depositing its instruments of ratification for the Final Acts of the World Radiocommunication Conference (Geneva, 1995).

85

Original: English

For Greece:

The delegation of Greece declares with regard to Declaration 31 that the text contains an indication of the respective country not conforming to the name under which this country is admitted to the ITU and the UN. Such an act does not in any way give right to that country to use that improper indication and does not entail any relevant consequence.



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 312-E
28 November 1995
Original: English

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

COMMITTEE 4

SUMMARY RECORD

OF THE

ELEVENTH AND LAST MEETING OF COMMITTEE 4

(VGE REPORT ON THE SIMPLIFICATION OF
THE RADIO REGULATIONS)

Monday, 13 November 1995, at 1845 hours

Chairman: Mr. M. GODDARD (United Kingdom)

Subjects discussed

- 1 Fifth report of Working Group 4A
- 2 Fifth report of Drafting Group 4B2
- 3 Resolution 35
- 4 Report of Working Group 4B
- 5 Coordination of NAVTEX services
- 6 Note from the Chairman of Working Group 4B
- 7 Closure of the Committee's work

Documents

- 201
- DT/100
- Corr.1 to 198
- Corr.1 and Corr.2 to 186;
DT/97(Rev.1)
- DT/111 and Add.1
- DT/101(Rev.2)
-

1 Fifth report of Working Group 4A (Document 201)

1.1 The **delegate of the United Kingdom**, referring to Annex 3 of Document 201 and to the discussion at the previous meeting of the Committee, said that he could now agree to SUP S5.303, which was shown in square brackets in the list of amendments.

1.2 That comment was **noted**.

1.3 The **Chairman** said that a consolidated document containing all proposals by delegates concerning Article S5 was being prepared.

2 Fifth report of Drafting Group 4B2 (Document DT/100)

2.1 The **Chairman** invited the Committee to resume consideration of Article S22, MOD S22.2, basing discussion on the existing text of RR 2613, and taking into account the proposal by the delegate of Japan to delete the reference to insufficient angular separation, shown in square brackets. Noting the widespread support for that proposal and that there was only one objection from the **delegate of the United States**, who wished to retain the existing text of RR 2613, he suggested that the Committee should approve MOD S22.2, as amended by the delegate of Japan.

2.2 It was so **agreed**.

2.3 Replying to the **observer for INTELSAT**, the **Chairman** explained that, as it had been agreed to base the discussion on the current text of RR 2613, which referred to unacceptable interference, the square brackets around "unacceptable" in MOD S22.2 would therefore be removed.

2.4 MOD S22.2, as amended, was **approved**.

2.5 The **Chairman** invited the Committee to consider the remainder of Section II, namely, NOC S22.3 to ADD S22.5bis. He assumed that the square brackets in ADD S22.5bis should be maintained, pending technical information awaited from Committee 5.

2.6 The **Chairman of Drafting Group 4B2** said that concern had been expressed in the Drafting Group regarding the calculation of aggregate power flux-density. He recalled that Committee 5 had approved a Resolution on that subject, on the basis of the draft text contained in Annex 3 to Document 202. The Resolution envisaged, as an interim measure, a method for calculating the aggregate level of power flux-density, which the Bureau would be able to use until a new methodology had been developed. He suggested that a reference to the Resolution should be made in conjunction with the word "aggregate" in ADD S22.5bis.

2.7 It was so **agreed**.

2.8 Section II, as amended, was **approved**.

2.9 Sections III, IV, V and VI were **approved**.

2.10 The **Chairman** invited the Committee to approve the removal of the square brackets around MOD A.S22.1.

2.11 The **observer for INTELSAT** said that there had always been difficulties in applying RR 2613.1, since the definition of accepted interference in that provision was not complete vis-à-vis the definition in Article 1, RR 162. In his view, the same definition for the same term should be retained throughout the Radio Regulations, in order to avoid confusion. He therefore suggested that the definition in RR 162 should be incorporated in MOD A.S22.1.

2.12 The **Chairman of Drafting Group 4B2** said that the only reason for placing MOD A.S22.1 in square brackets was that there had been a proposal to replace the word "accepted" with "harmful", but the Committee had now decided not to do that. He drew attention to the definition of accepted interference contained in No. S1.168, which included the phrase "without prejudice to other administrations", and suggested that there should be a reference to that definition in MOD A.S22.1.

2.13 It was so agreed.

2.14 The **Chairman** suggested that, having concluded consideration of Article S22, the Committee should approve the Article as a whole, as amended.

2.15 It was so agreed.

3 Resolution 35 (Corrigendum 1 to Document 198)

3.1 The **Chairman** said that it was his understanding that the Committee had agreed to suppress Resolution 35 on the grounds that it was now superfluous.

3.2 The **delegate of Morocco** said that, as the suppression of Resolution 35 was linked to other modifications of the Radio Regulations yet to be decided, he could only agree provisionally to its deletion.

3.3 The **Chairman** noted that the Resolution could be reconsidered, if necessary, in the light of the complete set of interrelated provisions.

4 Report of Working Group 4B (Corrigenda 1 and 2 to Document 186; Document DT/97(Rev.1))

Corrigendum 2 to Document 186

4.1 The **Chairman** invited the Committee to resume its consideration of Resolution 46 on the basis of the draft text proposed in Corrigendum 2 to Document 186.

4.2 The **Chairman of Drafting Group 4B1** drew attention to the addition, at the end of *resolves* 1, of a reference to "Annex 2", the intention being to add an annex dealing specifically with technical criteria. The suggestion was that Annex 2 would set out the threshold values that triggered coordination with terrestrial services, and would update the limit values contained in Articles 28 and 29 to take into account any modifications or additions made by the Conference. Annex 2 would thus indicate the power flux-density limit values under Articles 28 and 29 to be used during the remaining life of Resolution 46, in other words until the simplified Radio Regulations came into force.

4.3 The suggestion of adding a second annex to Resolution 46, along the lines indicated by the Chairman of Drafting Group 4B1, was **approved**.

4.4 The **delegate of Morocco**, referring to the proposed new draft text of Resolution 46, suggested that the text of *considering further* should be retained in square brackets until other related matters had been resolved.

4.5 The **delegate of Australia** said that the Committee had already taken the decision to delete *considering further* and he objected to reversing earlier decisions. The **Chairman** agreed with that view.

4.6 The **delegate of Morocco** said that, in that case, he reserved the right to raise the matter in the Plenary Meeting.

4.7 The **Chairman**, replying to the **delegate of Mexico**, said that the Committee had decided to delete the old *resolves* 1(b) and that the text, which had appeared crossed out in square brackets in Document 186, had therefore been removed.

4.8 The **delegate of Mexico** said that he reserved the right to speak further on the matter in the Plenary Meeting.

4.9 The **Chairman** suggested that the Committee should approve the text of Resolution 46, as set out in Corrigendum 2 to Document 186, noting the reservations expressed by the **delegates of Morocco and Mexico**.

4.10 It was so **agreed**.

4.11 The **Chairman** invited the Committee to consider Annex 1 to Resolution 46, as set out in Corrigendum 2 to Document 186. He noted, for the record, a proposal by the **delegate of Russia** that, in paragraph A.3 ii), the words "if possible" should be inserted before "spectrum mask".

4.12 The **Chairman of Drafting Group 4B1**, referring to Section A of Annex 1, said that the addition to paragraph A.1 shown in Document 186 had been deleted, and its content reflected in the relevant sections. In paragraph A.3, the square brackets around the word "shall" in the first sentence should be retained, pending the conclusions of Committee 5. Provision of some of the information might not be mandatory.

4.13 In reply to a query by the **delegate of Germany**, the **Chairman** said that the reference to "8/1034" referred to a document of the 1995 Radiocommunication Assembly, which contained a text approved by the Assembly that would become Recommendation ITU-R 1187.

4.14 Referring to Section I of Annex 1, the **Chairman of Drafting Group 4B1** said that the text should be aligned with the text approved in Corrigendum 1(Rev.1) to Document 162, simply as an editorial amendment.

4.15 Section I was **approved**, subject to that editorial change.

4.16 Referring to Section II, the **Chairman** pointed out that the changes in paragraph 2.1 were linked with those in paragraph 2.8, since networks might affect as well as be affected by new assignments.

4.17 The **delegate of Morocco** questioned the need for the second indent of paragraph 2.2 of Section II, since coordination of geostationary satellite networks with earth stations was covered by Articles 11 and 13.

4.18 The **Chairman of Working Group 4B1** said that there were two cases involving terrestrial services. The first was coordination between space stations and terrestrial services, which was covered by Section II. The second was coordination between earth stations and terrestrial services, which was covered by Sections III and IV. In the latter case, Article 11 did indeed apply. Paragraph 2.2 dealt with the first case and a number of footnotes in Article 8 indicated where it applied to geostationary-satellite services.

4.19 The **delegate of Morocco** wondered if it would be acceptable, in order to avoid any contradiction with Article 11, to make reference to the footnotes, so as to make it clear that paragraph 2.2 applied to certain cases only.

4.20 The **Chairman** drew attention to the title of the Resolution and the footnote thereto which limited application of the Resolution to certain frequency bands. With regard to the footnote, it was **agreed** that the words "each of" should be added after "shall be applied only to" in the first sentence, and that the second sentence should be deleted entirely.

4.21 The **delegate of Japan**, referring to paragraph 2.5.23 of Section II, asked for clarification of the phrase "notified under Article 13 or under Section V of this Annex". In particular, he wondered whether such cases were limited to those envisaged in RR 1065.

4.22 The **delegate of Morocco** said that, if the text was left as it stood, a satellite network that was not in conformity with the Radio Regulations would be taken into account as soon as an assignment was notified. He therefore suggested that the notion of notification should be deleted.

4.23 The **Chairman of Drafting Group 4B2** said that "notified" meant notified but not yet recorded. Furthermore, conformity with RR 1503, as stipulated in paragraph 2.5.12, referred to conformity with the Convention, the Table of Frequency Allocations and the other provisions of the Radio Regulations. There was, therefore, no cause for concern.

4.24 The **delegate of Japan** proposed that, for clarity, the phrase "notified under Article 13 or under Section V of this Annex" should be replaced by "notified to the Bureau without any coordination in those cases where 2.5.8 applies". Responding to a comment by the **Chairman of Drafting Group 4B1**, he said that paragraph 5.1 of Section V applied to examination by the Bureau, whereas paragraph 2.5.23 of Section II dealt only with notification, prior to examination. The **representative of the Radiocommunication Bureau** endorsed those remarks.

4.25 The **delegate of Morocco**, supported by the **delegate of the United States**, suggested the inclusion, in paragraph 2.5.23, after "recorded", of the phrase "or entitled to be recorded", but the **delegate of Japan**, supported by the **Chairman of Working Group 4B**, preferred to rely on the reference to Article 11.

4.26 Following further observations by the **delegates of the United States and Japan**, the **Chairman** suggested that there should be further informal discussion with a view to drawing up a text, based on the proposal by the delegates of Japan, for submission to the Plenary Meeting.

4.27 It was so **agreed**.

4.28 The **Chairman of Drafting Group 4B1** drew attention to two editorial corrections: in the last sentence of paragraph 2.10, the word "determination" should read "analysis"; and in paragraph 2.12, the term "typical parameters" should read "reference parameters".

4.29 The **delegate of Morocco** thanked the Chairman of Drafting Group 4B1 for his efforts to accommodate the Moroccan delegation's proposals aimed at the protection of terrestrial services of administrations in need of special assistance. He proposed that paragraph 2.8.4 and the corollary provision 2.16 d) should be deleted, since, as had been agreed when drafting Resolution 46 at WARC-92, an administration should not be forced to go through such a costly procedure in order to satisfy the requirements of an administration with a non-geostationary-satellite network. With regard to paragraph 2.12, it was not sufficient to refer to "relevant ITU-R recommendations" in respect of the parameters; an exact recommendation number should be cited. With regard to paragraph 2.16, a case of non-reply to an administration could not be deemed to warrant a loss of rights; therefore, the words "either to the notifying administration or" should be deleted.

4.30 The **Chairman of Drafting Group 4B1**, referring to paragraph 2.12, thought that the addition of the words "in Annex 2" with regard to reference parameters should meet the concerns of the delegate of Morocco. With reference to paragraph 2.8.4, it had been agreed, during informal discussions, that the text implied no obligation to calculate interference but simply that an administration having terrestrial stations should point out that it had services in the relevant band. Finally, the effect of paragraph 2.16 was no different from that of paragraphs 2.14 and 2.15, which were similar to the corresponding text of Article 11 and had been accepted by the Algerian delegation.

4.31 The **delegate of Morocco** said that his delegation could accept paragraph 2.8.4 subject to the text being amended to reflect the comments of the Chairman of Drafting Group 4B1, to the effect that administrations having terrestrial stations that might affect the published satellite network should inform the requesting administration of its terrestrial stations not notified to the Bureau and capable of causing interference. Referring to paragraph 2.12, he welcomed the solution proposed by the Chairman of Drafting Group 4B1. With regard to paragraph 2.16, however, he requested that the words he wished to delete, as well as the subparagraph 2.16 d), should be placed within square brackets.

4.32 The **delegate of Algeria** thanked the Chairman of Drafting Group 4B1 for having taken into account the comments made on paragraphs 2.14 and 2.15. His delegation still felt, however, that subparagraph 2.16 d) was too restrictive, and ran counter to ITU's aim of encouraging administrations to maximize resources and efforts.

4.33 Following brief informal consultations, the **Chairman** suggested that a revised text of paragraph 2.8 should be drawn up on the basis of further informal discussions among the interested delegations, for submission within square brackets to the Plenary Meeting. He further suggested that subparagraph 2.16 d) should refer only to paragraph 2.5.5.

4.34 It was so **agreed**.

4.35 Subject to the foregoing considerations, Resolution 46 and Annex 1, as amended, were **approved**.

Corrigendum 1 to Document 186

4.36 The **Chairman** invited the Committee to consider Annex 1A to Appendix S4, as set out in Corrigendum 1 to Document 186.

4.37 ITEMS B to 9EC were **approved**, the term "(P or N)" in ITEM 1E being amended editorially to read "(P or M)".

4.38 The **delegate of Spain**, referring to ITEM 9F, said that the text should not refer to "electrical degrees" and he suggested that it should be amended accordingly.

4.39 It was so **agreed**.

4.40 ITEM 9F, as amended, and ITEMS 9G to 12B were **approved**.

4.41 Annex 1A, as amended, was **approved**.

4.42 The **Chairman** invited comments on Annex 1B to Appendix S4, as set out in Corrigendum 1 to Document 186.

4.43 The **delegate of Canada** said that the table of characteristics contained in Annex 1B was not intended to restrict the Bureau's ability to adopt the forms of notice it deemed necessary. The

notice type indicated in the table could be changed. He suggested that the square brackets and their contents in the fourth column should be deleted throughout the table as a result of the decisions taken on Articles S1 and S5.

4.44 It was so **agreed**.

4.45 Annex 1B to Appendix S4, as amended, was **approved**.

Document DT/97(Rev.1)

4.46 The **Chairman** invited the Committee to consider Annex 2A to Appendix S4, as set out in Document DT/97(Rev.1).

4.47 ITEMS A.1 to A.3 were **approved**.

4.48 The **representative of the Radiocommunication Bureau**, referring to the reference to Resolution 46 in ITEM A.4, said that Appendix S4 would come into effect when the simplified Radio Regulations came into force, at which time no reference to Resolution 46 would be necessary. The text should be amended accordingly.

4.49 The **Chairman of ad hoc Group 4B4** noted that the deletion of ITEMS A.4b) 5) and A.4b) 6) had not been indicated in the text. With regard to the first ITEM A.4b) 7), he said that the square brackets and their contents should be deleted as they were dealt with under ITEM C.11d).

4.50 The **delegate of the United States** pointed out that the second ITEM A.4b) 7), containing a list of data elements, was being considered in Committee 5 along with Resolution 46 and should therefore be placed in square brackets pending the outcome of those deliberations. If any of the items were to be included, the Committee would then have to determine whether they would be mandatory or optional. The **delegate of France** said that the list of data elements should be aligned with Resolution 46.

4.51 The **Chairman**, noting that Appendix S4 would come into effect when the simplified Radio Regulations came into force, and that the material contained in Resolution 46 would be covered by the new procedures, suggested that there should be no explicit reference to Resolution 46 in the Annex.

4.52 That suggestion was **approved** in principle.

4.53 In response to a question by the **Chairman**, the **Chairman of ad hoc Group 4B4** endorsed the views expressed by the delegate of the United States, and suggested that the list of data elements should be maintained in the text and placed within square brackets.

4.54 It was so **agreed**.

4.55 ITEMS A.5 to A.8 were **approved**.

4.56 The **delegate of France**, referring to ITEM A.9, asked why no reference had been made to Region 2. The **Chairman of ad hoc Group 4B4** said that he would examine the matter after the meeting.

4.57 ITEMS A.9 to A.11 were **approved**.

4.58 The **Chairman of Drafting Group 4B2** suggested the deletion of ITEM A.12.

4.59 It was so **agreed**.

4.60 ITEMS A.13 B.1 to B.3 were **approved**.

4.61 The **delegate of the United States**, referring to ITEM B.4, said that the references to Resolution 46 should remain within square brackets.

4.62 ITEMS B.4 to B.6 and C.1 to C.8 were **approved**.

4.63 The **delegate of India**, responding to a question from the **Chairman of ad hoc Group 4B4** concerning ITEM C.9c), suggested that the text within the second set of square brackets should be replaced by the words "and spectrum mask" and that the square brackets should be removed, to be consistent with the previous decisions on Resolution 46.

4.64 It was so **agreed**.

4.65 ITEMS C.9, as amended, and C.10 were **approved**.

4.66 ITEM C.11 was **approved**, subject to an editorial point with regard to ITEM C.11d), raised by the **delegate of Algeria**.

4.67 Following a suggestion by the **Chairman of ad hoc Group 4B4**, it was **agreed** to delete the square brackets in ITEM C.12.

4.68 ITEMS C.12, C.13, C.14, D.1 and D.2, were **approved**.

4.69 Annex 2A to Appendix S4, as amended was **approved**.

4.70 The **Chairman** invited comments on the table of characteristics contained in Annex 2B to Appendix S4, as set out in Document DT/97(Rev.1). The **representative of the Radiocommunication Bureau** drew attention to an editorial amendment to be made to the fourth column of the table.

4.71 ITEMS A.1 to A.13 were **approved**, subject to the requisite editorial amendments following the deletion of ITEM A.12.

4.72 ITEMS B.1 to B.6, C.1 to C.14 and D.1 to D.2.b were **approved**.

4.73 The **delegate of the United States** said that ITEMS referring to Resolution 46 should be kept in square brackets until Committee 5 had concluded its deliberations.

4.74 The **Chairman**, recalling that Resolution 46 was to be applied between the end of the Conference and the date of entry into force of the simplified Radio Regulations, questioned whether there should be any reference to Resolution 46 in Appendix S4, as the latter was to form part of the simplified Radio Regulations.

4.75 The **Chairman of ad hoc Group 4B4** said that the reference was not to Resolution 46 as such, rather to Article S9.11bis. The need for additional parameters to describe non-geostationary systems was under discussion in Committee 5 within the context of Resolution 46. Once decisions were made, the consequential amendments would be reflected in the table.

4.76 Following a suggestion by the **Chairman of ad hoc Group 4B4**, it was **agreed** to add a brief introduction to Appendix S4.

4.77 The **Chairman** noted that the Committee had concluded its work on Appendix S4.

5 Coordination of NAVTEX services (Document DT/111 and Addendum 1)

5.1 The **Chairman** invited the Committee to consider draft Resolution [COM4-NAVTEX], on coordination of NAVTEX services, as set out in Document DT/111.

5.2 Following a suggestion by the **Chairman of Drafting Group 4B2**, it was **agreed** to place the whole of *resolves* 3 within square brackets for the time being.

5.3 The **delegate of Morocco**, referring to *instructs the Secretary-General*, suggested that the text should also provide for the Secretary-General to report to a CPM. The **delegate of Algeria** wondered how it could be ascertained that IMO would be capable of identifying all the relevant coordination aspects.

5.4 Following a suggestion by the **Chairman**, it was **agreed** that a suitable text would be drawn up on the basis of informal agreement among the delegations concerned, bearing in mind that it would be for a future conference to decide on such matters.

5.5 The **Chairman** invited the Committee to consider the Annex to Document DT/111, on the understanding that the title "ARTICLE 14A" was to be deleted.

5.6 The Annex was **approved**.

5.7 The **Chairman** invited the Committee to consider Addendum 1 to Document DT/111, which contained texts relating to consequential actions in respect of the coordination of NAVTEX services.

5.8 Addendum 1 to Document DT/111 was **approved**.

6 Note from the Chairman of Working Group 4B (Document DT/101(Rev.2))

6.1 The **Chairman** invited the Committee to consider Appendix S5 contained in Document DT/101(Rev.2). The **Chairman of ad hoc Group 4B4** explained that the document had been considered in ad hoc Group 4B4 but, owing to a shortage of time, had not been examined by Working Group 4B.

6.2 In view of the time constraints, the **Chairman** invited the Committee simply to identify areas of concern and suggested that any redrafting should be done informally, following the meeting.

6.3 It was so **agreed**.

6.4 The **Chairman of ad hoc Group 4B4** said that the square brackets could be deleted from MOD 1.

6.5 The **delegate of France**, referring to ADD 2a)ii), proposed that the term "notified" should be qualified in order to avoid any ambiguity and to ensure that the assignments concerned were in accordance with No. S11.31.

6.6 It was so **agreed**.

6.7 The **Chairman of ad hoc Group 4B4**, referring to ADD 5, said that Table S5-2 was being considered by Committee 5 and, upon completion of that consideration, the agreed version of Table S5-2 would be inserted in Appendix S5. He said that the square brackets around MOD 6 should be deleted for consistency with Article S9.

6.8 The **delegate of Germany**, referring to Table S5-1, said that the square brackets around No. S9.20 could be deleted.

6.9 The **Chairman of ad hoc Group 4B4** said that the proposal to delete Table S5-3 had arisen from a concern that the table might be misunderstood. It would, perhaps, be more appropriate for the Bureau to issue such a summary after the Conference, in view of its evident utility.

6.10 The **Chairman of Working Group 4B**, noting that the Bureau had not yet provided clarification of the possible applications of Resolution 46, asked for that information to be provided to the Plenary Meeting.

6.11 The **delegate of Morocco** objected to any clarification by the Bureau that was not within the functions of the Bureau as laid down in the Convention.

7 Closure of the Committee's work

7.1 The **Chairman** expressed regret that the proposals contained in Document 34(Add.1) and Document 214 had not been considered by the Committee. Priority had been given to the Articles and Appendices of the simplified Radio Regulations proposed by the VGE, together with all the relevant Appendices. He had hoped that the Committee would have been able to undertake a comprehensive review of existing resolutions and recommendations, but that had not been within the scope of the Conference agenda. Consequently, there were two sets of resolutions and recommendations; those which had been addressed and updated, and those which had to be carried forward for consideration by a future world radiocommunication conference. He said that any outstanding redrafting, particularly with regard to Resolution 13, would be done outside of the meeting and submitted directly to Plenary. Finally, thanking all those involved for their spirit of cooperation and hard work, he declared closed the last meeting of Committee 4.

The meeting rose at 2145 hours.

The Secretary:
M. GIROUX

The Chairman:
M. GODDARD



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

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COMMITTEE 5

**SUMMARY RECORD
OF THE
FOURTEENTH MEETING OF COMMITTEE 5
(MSS AND OTHER MATTERS)**

Monday, 13 November 1995, at 0930 hours

Chairman: Mr. G.F. JENKINSON (Australia)

Subjects discussed		Documents
1	Approval of the summary record of the eighth meeting of Committee 5	211
2	Second report of Working Group 5A	239
3	Reports of Working Group 5B (continued)	219, 220(Rev.1)
4	Review of Resolution 208 (Mob-87)	DT/39
5	Oral report by the Chairman of ad hoc Group 4 of Committee 5	-

1 Approval of the summary record of the eighth meeting of Committee 5 (Document 211)

1.1 The summary record of the eighth meeting (Document 211) was **approved**.

2 Second report of Working Group 5A (Document 239)

2.1 The **Chairman of Working Group 5A** said that, although time constraints had prevented consideration of specific details, general consensus had been reached in the Working Group in respect of four aspects of new allocations for non-GSO MSS operating below 1 GHz, as set out in Annexes 1-4 to Document 239. Annex 1 contained a draft resolution which reflected the view that, with one exception to be considered under Annex 4, additional worldwide allocations could not be made until sharing studies had been undertaken and that WRC-97 should be invited to consider adopting such allocations. Following the meeting of the Working Group, he had received comments on the draft Resolution from five delegations, which he hoped had been addressed during informal consultations. Annex 2 contained a proposed text to be forwarded from the Chairman of Committee 5 to the Working Group of the Plenary to indicate that the WRC-97 agenda should include an item that would permit WRC-97 to consider adopting such additional allocations. Annex 3 contained a proposal for MSS allocations in Region 2. The concerns expressed by some countries regarding harmful interference to, or claims for protection from, stations of the fixed or mobile services in their countries were reflected in ADD 669B. Discussions were still under way in respect of the proposal for a single worldwide allocation contained in Annex 4.

2.2 The **Chairman** proposed that consideration of Annex 4 be deferred to a subsequent meeting of Committee 5.

2.3 It was so **agreed**.

2.4 The **Chairman** invited the Committee to consider Annexes 1-3 to Document 239.

Annex 1: Draft Resolution COM5-11

2.5 The **delegate of Iran** supported the draft Resolution in principle and commended the efforts of the informal drafting group. He proposed that in *considering* f) the words "to the extent possible" be inserted after "available".

2.6 The **Chairman of Working Group 5A** urged delegates to respect the consensus achieved in the Working Group. He was confident that the concern expressed by the previous speaker was already covered in the draft Resolution, which clearly pointed to the need to take into account the interests of existing and future terrestrial services in any sharing studies undertaken. In the interests of making progress, the **delegate of Iran** agreed to withdraw his proposal.

2.7 The **delegate of Zimbabwe** said that, while he agreed with the draft Resolution in principle, *considering* d), e) and g) required further clarification in respect of the impact and implementation of new technologies. Moreover the draft Resolution did not take into account sufficiently the interests of developing countries, which were striving to improve their telecommunication systems. He had a proposal in that regard which he could submit in writing. The **Chairman** said that the draft Resolution had been drafted after prolonged consultation and it would be preferable to avoid fundamental changes. The aim was to encourage sharing studies rather than to give any directive regarding the adoption of allocations; there would be an opportunity to address specific concerns about the allocations when their adoption was being considered. The **Chairman**

of Working Group 5A said that, in his view, the concerns expressed by the delegate of Zimbabwe were covered by the draft Resolution, since *considering* d) recognized that new technologies might have an impact on sharing possibilities, and *considering further* a) clearly indicated that there was congestion in the bands below 1 GHz. The **delegate of Zimbabwe** said that, regrettably, promises that adequate consideration would be given to concerns expressed by delegates were frequently not fulfilled. However, he would be prepared to join the consensus.

2.8 In reply to a query by the **delegate of Kenya**, the **Chairman** said that *resolves* 2 merely constituted an invitation to WRC-97 to consider the question of adopting additional worldwide allocations on the basis of the results of sharing studies and other inputs. The **Chairman of Working Group 5A** added that, as in the case of the WRC-95 agenda, the appearance of the word "adopt" did not necessarily mean that such allocations would in fact be adopted at WRC-97.

2.9 The **delegate of Kenya** said that the text ought to indicate clearly that the results of sharing studies should be taken into consideration and he therefore proposed that the phrase "on the basis of the results of the studies referred to in *resolves* 1 above" be inserted after "consider" in *resolves* 2. The **Chairman of Working Group 5A** said that, in the Working Group's view, the concerns expressed by the delegate of Kenya were covered by *noting* a) and *resolves* 1. The **delegate of Finland** supported the Kenyan proposal, which was **approved**.

2.10 The **delegate of Japan** suggested that in *resolves* 2 "consider" should be replaced by "be invited to consider".

2.11 It was so **agreed**.

2.12 The **observer for WMO** said that, although WMO played an active part in the work of the Radiocommunication Sector, the draft Resolution before the Committee made no specific reference to meteorological radiocommunication services. The reference to WMO in *resolves* 3 was therefore not appropriate.

2.13 It was **agreed** to delete "the World Meteorological Organization (WMO) and other" from *resolves* 3.

2.14 In response to a suggestion by the **delegate of the United Arab Emirates**, the **Chairman** proposed that in *considering* a) "item 3d)" be deleted, and that in *considering* b) "1995" be inserted after "Meeting" and "on agenda item 3d)" be deleted.

2.15 It was so **agreed**.

2.16 Draft Resolution COM5-11, as amended, was **approved**.

Annex 2: Proposed text for transmittal to the Working Group of the Plenary

2.17 The **Chairman of Working Group 5A** said that the proposed text was a consequence of the draft Resolution in Annex 1 which had just been approved.

2.18 Annex 2 was **approved**.

Annex 3: Proposal for MSS allocation in Region 2

2.19 The **delegates of Cuba, Ecuador and Chile** requested that the names of their countries be included under ADD 669B.

2.20 The **delegate of Germany** suggested that the words "in Regions 1 and 3" be inserted after "mobile services" in ADD 669B, since the proposed allocations might also have an impact on countries in those Regions.

2.21 The **delegate of the United States** observed that RR 346 specifically referred to the equality of right to operate where, in adjacent Regions, a band of frequencies was allocated to different services of the same category. It might therefore be more appropriate to insert in ADD 669B "noting that No. 346 applies" rather than the wording suggested by the delegate of Germany.

2.22 In reply to a request for clarification by the **delegate of Cuba**, the **Chairman** indicated that the German proposal would mean that ADD 669B would be applied in general terms to countries in Regions 1 and 3 and to the specific countries in Region 2 that asked to be listed; the delegate of the United States had suggested that reference should be made to RR 346 rather than to Regions 1 and 3.

2.23 The **delegate of Syria** requested clarification from the Radiocommunication Bureau regarding the interpretation of RR 346. It did not appear to cover claiming protection, which was specifically mentioned in ADD 669B, and he would therefore prefer the wording proposed by the delegate of Germany.

2.24 The **representative of the BR** said that RR 346 clearly stated that operation of a service in one Region must not cause harmful interference to services in the other Regions. That provision would cover both harmful interference and claiming protection. Moreover, the Rules of Procedure indicated that, in the Board's view, the second sentence of RR 346 should be understood as a general rule applicable in all cases, even to stations of the same service.

2.25 The **delegate of Indonesia** made the following statement in respect of ADD 669B:

"Indonesia is aware that at this stage many countries, especially those from Region 1 and Region 3, have difficulties to embrace the new non-GSO mobile-satellite services operating below 1 GHz. However, Indonesia feels it has the duty to express its views in the interests of those countries which need these services, in particular for areas with no communications infrastructure at all, i.e. Indonesia and other developing countries. These services will be very beneficial for coordinating *inter alia* control for floods, earthquakes and other natural disasters, transportations, communications for vehicles, remote measurements, etc. Annex 3 to Document 239 proposes to provide non-GSO MSS below 1 GHz allocation in Region 2, in particular in the bands 455 - 456 MHz and 459 - 460 MHz (Earth-to-space). Indonesia has put forward a plea, that Indonesia and other countries in Region 3 and Region 1 which need these services should be able to utilize mobile-satellite services on a secondary basis, by inserting an additional footnote at the bands 455 - 456 MHz and 459 - 460 MHz (Earth-to-space) allocations."

2.26 The **delegate of Liberia** supported the views expressed by the delegate of Indonesia and also requested a secondary allocation for his country.

2.27 The **Chairman of Working Group 5A** emphasized the difficulty of acceding to such a request and stressed that the texts in Document 239 represented a finely balanced compromise.

2.28 The **Chairman of Committee 5**, noted that there was little support for the request from the countries of Regions 1 and 3.

2.29 The **delegate of Indonesia** made the following statement:

"Indonesia is of the opinion that the secondary service proposed would guarantee no harmful interference to the fixed and mobile services. However, Indonesia honours the position of the majority of the delegations and does not want to insist on its proposal. Indonesia would like to thank the Conference for the time given to express its position on this very important service for the developing countries. It is hoped that the next WRC-97 could give more favourable consideration to this crucial and important service."

2.30 The **delegate of the United Kingdom**, supported by the **delegates of New Zealand and Australia**, advocated a cautious approach to the granting of requests for secondary allocations, since mobile services operating in additional countries would have the potential to cause interference to other existing services. Studies on the interference potential and criteria for the protection of existing services were required before any decision could be taken on such requests.

2.31 Following informal consultations, the **Chairman of Working Group 5A** proposed that the words "in the following countries" should be deleted from the end of ADD 669B, and that a reference to the footnote should be inserted in the allocation tables for Regions 1 and 3 in the bands concerned. In that way, individual countries would no longer need to ask to be associated with the footnote.

2.32 The **delegate of New Zealand** expressed preference for the German proposal, which made specific reference to Regions 1 and 3, but said that he would not press the point.

2.33 The **delegate of Australia** observed that the practical effect of the Chairman of Working Group 5A's proposal seemed to be to make the allocation a secondary one. The **Chairman of Working Group 5A** stressed that one important element of the compromise negotiated was that the Region 2 allocation would remain a primary one. The **delegate of Mexico** emphasized that such was indeed his understanding of the footnote. The **representative of the BR**, referring to the Resolution 46 coordination procedures, drew attention to the risks inherent in downgrading the allocation.

2.34 ADD 669B, as amended on the proposal of the Chairman of Working Group 5A, was **approved**.

2.35 Annex 3 as a whole, as amended, was **approved** subject to any editorial corrections that might be entailed by decisions taken elsewhere.

3 Reports of Working Group 5B (continued) (Documents 219, 220(Rev.1))

3.1 The **Chairman** invited the Committee to take up Document 219 annex by annex.

Annex 1 to Document 219: Article [28] S21

3.2 The **Chairman of Working Group 5B** said that the Working Group had not had sufficient time to resolve the problem of reference bandwidths applicable for the protection of digital FS from geostationary space stations in all bands, including non-geostationary space stations in the band 2 483.5 - 2 500 MHz.

3.3 The **Chairman of ITU-R Study Group 9** suggested a number of changes to the values given in Table [AR28bis].

3.4 The **delegate of France** said that Annex 1 to Document 219 was currently being considered by ad hoc Group 3 of Committee 5 with a view to attaching it to Resolution 46. As the question of coordination thresholds for space stations was included in the work programme of ITU-R Study Groups 8 and 9, it might be premature for the Committee to make any changes to the texts already adopted by ITU-R Study Group 2 and the Radiocommunication Assembly. That view was supported by the **delegates of the United Kingdom, Finland, Germany, New Zealand, India, Italy** and the **Islamic Republic of Iran**.

3.5 The **delegates of Brazil and Canada** supported the changes proposed by the Chairman of ITU-R Study Group 9.

3.6 The **delegate of the United Arab Emirates** suggested that the reference bandwidths should be expressed in terms of Hz rather than MHz, for easier reference.

3.7 The **Chairman** suggested that the figures in Table [AR28bis] should be accepted as they stood, on the understanding that the relevant ITU-R Study Groups would be requested to take up the matter.

3.8 It was so agreed.

3.9 The **delegate of the United Kingdom**, referring to Note 3 to Table [AR28bis], said that the band mentioned was not in fact available in its entirety to all the Regions. For the sake of accuracy, he suggested that "2 160 - 2 200 MHz" should be replaced by "2 160 - 2 170 MHz in Region 2 and 2 170 - 2 200 MHz in all Regions". It should also be specified that the satellite and the terrestrial components were not intended to operate in co-coverage areas. The **Chairman**, referring to the latter proposal, suggested that the words "co-coverage and" should be added after "operate". The **delegate of Canada** suggested, in the light of the first United Kingdom proposal, that the words "this band" should be replaced by "these bands" at the end of the sentence.

3.10 The **Chairman** said that if he heard no objection he would take it that the Committee wished to approve Annex 1 to Document 219 subject to those amendments, on the understanding that the format of the Annex might be altered to take account *inter alia* of the outcome of deliberations in Committee 4 on Resolution 46.

3.11 It was so agreed.

Annex 2 to Document 219: Resolution [COM5-5]

3.12 The **Chairman of Working Group 5B** introduced draft Resolution [COM5-5] relating to a method for calculating the value of fractional degradation in performance (FDP) for determining the need for coordination for non-geostationary space stations in the mobile-satellite service with respect to the fixed service in certain frequency bands in the 1 - 3 GHz range. The text before the Committee had met with the unanimous approval of ad hoc Group 5B1. Referring to *resolves* 2.3, he drew attention to the 1 MHz reference bandwidth as the principle adopted by the Group for the purposes of FDP calculations.

3.13 The **Chairman of ad hoc Group 3 of Committee 5** said that his Group was exploring the possibility of putting forward a much more general method for calculating FDP. The FDP calculations in the draft Resolution were based solely on the general characteristics of an MSS constellation and reference characteristics for the fixed service. However, ad hoc Group 3 was examining more finely-tuned characteristics for MSS constellations which, if adopted, might entail some amendments to the text under consideration. Following requests for further clarification by the

Chairman and the **Chairman of Working Group 5B**, he explained that the more comprehensive method for calculating FDP being developed by his Group would probably be set out as an annex to Resolution 46, so that Resolution [COM5-5] might no longer be necessary. Ad hoc Group 3 was scheduled to hold its last meeting later that day and the results of its work would be submitted to the Committee very shortly.

3.14 The **delegate of Canada** was concerned about the possibility of there being no conference output on the subject, should it be decided not to annex ad hoc Group 3's new calculation method to Resolution 46. The **Chairman** said it was his understanding that Resolution 46 would not contain any technical parameters, which would be covered in an appendix associated with Article 28. The **Chairman of ad hoc Group 3** said that although that had originally been the intention, it was now proposed that the technical criteria in question should be annexed to Resolution 46 instead of appearing in an appendix to the Radio Regulations. As to the Canadian delegate's concern, he stressed that all the reference characteristics pertaining to digital systems in the fixed service would be maintained in the text to be approved by the ad hoc Group. Reference characteristics for analogue systems would also be included for the purposes of other calculations. The **representative of the BR** said it should be borne in mind that if the material in question was not attached to Annex 46, it would not come into force at the end of the Conference.

3.15 The **Chairman** suggested, in order to make headway, that the Committee should defer consideration of draft Resolution [COM5-5] on the understanding that it should be kept informed of relevant developments and that the technical issues at stake would be dealt with in the most appropriate way.

3.16 It was so **agreed**.

3.17 The **Chairman** invited the Committee to resume consideration of Resolution 213 (WRC-95), a revised version of which was set out in Document 220(Rev.1).

Document 220(Rev.1): Resolution 213 (WRC-95)

3.18 The **Chairman of Working Group 5B** introduced the new version of Resolution 213 on sharing studies concerning the possible use of the band 1 675 - 1 710 MHz by the mobile-satellite service prepared by Drafting Group 5Bc, drawing particular attention to the two paragraphs remaining between square brackets, namely, *considering b)* and *invites 1*.

3.19 The **Chairman of Drafting Group 5Bc** said that following the Committee's earlier consideration of the Resolution and subsequent informal consultations with several of the interested parties, agreement had been reached on those two points, so that the square brackets could now be removed. The text of *considering b)* took account of a proposal made by India at the Committee's twelfth meeting. Furthermore, in order to accommodate concerns expressed regarding *invites 1*, it was proposed to invert the order of *invites 1* and 2. Finally, in the paragraph under *resolves to invite the ITU-R*, the words "these bands" should be replaced by "the band".

3.20 Those changes were **approved**.

3.21 At the suggestion of the **delegate of India**, it was **agreed** to delete the words "item 2.1a)" from *considering a)*.

3.22 The **observer for WMO** wondered whether it might be appropriate to include a reference under *considering b)* to footnote 735A, which set out protection criteria for meteorological services. The **Chairman of Drafting Group 5Bc** said that such a reference would not add a great deal to the

Resolution, but would nonetheless require further discussion at drafting group level; he therefore hoped that the meeting could agree to leave the text of *considering* b) as it stood.

3.23 Subject to further editorial changes suggested by the **delegates of India** and the **United Arab Emirates** and the **Chairman of Drafting Group 5Bc**, Resolution 213 (WRC-95), as amended, was **approved**.

4 Review of Resolution 208 (Mob-87) (Document DT/39)

4.1 The **Chairman of Working Group 5B** said that no decision had yet been taken on Resolution 208 by the Working Group, due both to time constraints and to the fact that the Drafting Group assigned the task of considering the Resolution had been unable to reach a consensus.

4.2 The **delegate of Turkey**, speaking as Chairman of the informal Drafting Group set up to consider Resolution 208, said that views in the Drafting Group had been divided from the outset, some participants being in favour of deleting the Resolution whereas others supported its retention and/or revision. The Drafting Group had held four meetings as well as informal consultations. Furthermore, over the last few days, he had pursued consultations with the interested parties in the hope of finding a solution. Initially, it had been proposed that the Resolution should be revised without amending *resolves* 1. Subsequently, as difficulties had emerged regarding that paragraph, four options had been put forward in respect of the bands listed in it, but agreement had not been reached on all of them. It had subsequently been suggested that *resolves* 1 should be reworded, but no proposals had been received in that connection and his own proposal had not met with the Drafting Group's approval. The final, unsuccessful attempt to reach agreement had involved amending *resolves* 1 as well the *considering* section. He had lost all hope of finding a solution at drafting group level and considered that the matter must now be taken up by the Committee.

4.3 The **Chairman** thanked the Chairman of the Drafting Group for his efforts. Clearly there was no time to take up the issue at the present juncture. Pending its consideration at a subsequent meeting of the Committee, he urged the Chairman of Working Group 5B to pursue consultations with the parties concerned in the hope of working out a compromise. Failing that, the existing text of Resolution 208 would have to be retained.

5 Oral report by the Chairman of ad hoc Group 4 of Committee 5

5.1 The **Chairman of ad hoc Group 4** said that the Group had managed to reach consensus on draft Resolution [COM5-7] concerning transitional arrangements in the 2 GHz bands. While the Resolution made no provision for the use of the fixed service on a secondary basis as of a certain date, it did refer to sharing with the fixed service, specifying the different sharing conditions that should be met, and it urged administrations to take steps to facilitate sharing. As to the date of entry into force of the 2 GHz MSS allocations, agreement had been reached on 1 January 2000. In the light of progress made on the Resolution, it had been suggested that a decision might be taken on related issues such as the date to be specified in footnote 746B and the inclusion in the Resolution of a reference to the specific frequency bands. However reservation had been expressed with regard to the latter point, on the grounds that it did not come within the purview of the ad hoc Group. The text of the Resolution would be available shortly.

5.2 The **Chairman** suggested that the mandate of the ad hoc Group should be extended to cover consideration of the date of entry into force given in footnote 746B and other related issues, so that it could continue its consultations with the view to reaching a consensus before the

Committee's next meeting. The **delegate of the United States** having enquired what exactly was meant by "related issues", said that the ad hoc Group should deal also with the proposals made by some delegations for use of a slightly different band.

5.3 The **delegate of Syria** expressed concern regarding the organization of work of the ad hoc Group, without calling in question the results it had achieved thus far. He underlined the difficulties faced by smaller delegations which wished to participate in the Group's work, in view of the number of meetings scheduled for the coming days.

5.4 The **delegate of the United States** suggested that the membership of the ad hoc Group should be enlarged to include those countries which were now submitting proposals for additional allocations.

5.5 The **Chairman of ad hoc Group 4** said that membership of the ad hoc Group had been limited in the interests of efficiency, not with a view to excluding any delegations. He urged all interested parties to coordinate as far as possible with the Group's original members, so that their views would be duly represented. A larger number of participants would lead to practical and logistical difficulties.

5.6 The **Chairman** invited all parties concerned to contact the Chairman of the ad hoc Group with a view to making suitable arrangements for their views to be represented.

The meeting rose at 1240 hours.

The Secretary:
G. KOVACS

The Chairman:
G.F. JENKINSON



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 314-E
5 December 1995
Original: French

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

FIFTH PLENARY MEETING

Monday, 13 November 1995, at 1435 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed

Documents

- | | | |
|---|---|--------------|
| 1 | Message of sympathy to the Director of the Radiocommunication Bureau | - |
| 2 | Second series of texts submitted by the Editorial Committee for first reading (B.2) | 209 + Corr.1 |
| 3 | Third series of texts submitted by the Editorial Committee for first reading (B.3) | 233 |
| 4 | Fifth series of texts submitted by the Editorial Committee for first reading (B.5) | 247 |

1 Message of sympathy to the Director of the Radiocommunication Bureau

1.1 The **Chairman** expressed his sincere condolences, both personally and on behalf of the Conference, to the Director of the Radiocommunication Bureau on the loss of his granddaughter.

2 Second series of texts submitted by the Editorial Committee for first reading (B.2) (Document 209 and Corrigendum 1)

Articles S4 and S7

2.1 **Approved.**

Articles S10 and S10A

2.2 At the proposal of the **Chairman of Committee 4**, it was **agreed** to consider Articles S10 and S10A at the same time as Recommendation COM4-B.

Articles S12 and S12A

2.3 **Approved.**

Article S19

2.4 The **Chairman of Committee 4** proposed that the square brackets around "S20.17" in Nos. NOC S19.34.1 and NOC S19.35.1 be deleted; that the words "see Resolution COM4-4" be inserted in parentheses at the end of No. (MOD) S19.35; and that the words "[Annex AP39]" be replaced by "Recommendation ITU-R M.257-3" in No. (MOD) S19.38. In that connection, he drew attention to Document 241 showing Committee 4's decisions concerning the handling of texts appearing with a "SUP*" symbol in the tables associated with the new articles.

2.5 The above proposals were **approved**.

2.6 Article S19, as amended, was **approved**.

Articles S20 and S25

2.7 **Approved.**

Appendix S25

2.8 At the proposal of the **delegate of Brazil**, it was **agreed** to consider Appendix S25 at the same time as Article S10A and Recommendation COM4-B.

Appendix S42

2.9 **Approved**, subject to allocation of the call sign series S8A to S8Z to the Republic of South Africa.

Resolution 712 (Rev.WRC-95)

2.10 **Approved**, subject to alignment of the French text under *instructs the Secretary-General* on the English version.

Resolution COM4-2

2.11 The **delegate of Syria** proposed that reference be made to the Special Committee to Address the Review of Regulatory/Procedural Matters under *recognizing c)* and *instructs the Director of the Radiocommunication Bureau*.

2.12 The **delegate of Morocco**, while not disagreeing with the above suggestion, proposed that *recognizing c)* be deleted; there was no need to mention in a resolution the various task groups set up by the study groups, and *recognizing c)* was a repetition of *recognizing b)*, where reference was already made to the studies being carried out by ITU-R.

2.13 The **delegate of Italy**, supported by the **delegate of Argentina**, believed that Task Group 10/5 should be cited on account of its very special status, reporting direct to CPM-97.

2.14 The **Chairman of the Working Group of the Plenary** supported the deletion of *recognizing c)* and proposed that the *instructs the Director of the Radiocommunication Bureau* paragraph also be deleted, on the understanding that in the resolution currently being drafted the Working Group of the Plenary would be requesting that consideration of the work of Task Group 10/5 and the Special Committee be placed on the agenda for WRC-97.

2.15 It was so **agreed**.

2.16 In the Annex to Resolution COM4-2, the **delegate of France** proposed that VGE Note 12 be either deleted or reworded, since references to the VGE should be avoided in the Radio Regulations.

2.17 The **delegate of Saudi Arabia**, supported by the **delegate of Morocco** and the **delegate of Italy**, said he was opposed to deletion of VGE Note 12, which had the merit of explaining the reasons why the VGE had proposed Article S12.

2.18 The **Chairman of Committee 4** suggested that a footnote be added stating that the proposed Article and VGE Note were taken directly from the VGE Report.

2.19 It was so **agreed**.

2.20 Resolution COM4-2, as amended, was **approved**.

Recommendation COM4-B

2.21 The **Chairman of Committee 4** said that the proposed text raised the problem of whether or not to incorporate Article 16 in Appendix 25. If the Conference were to approve such incorporation, some consequential editorial amendments might have to be made.

2.22 The **delegate of Syria** was not sure that the statement under *noting e)* to the effect that the current modification procedures for Appendices 30 and 30A had been applied, generally without problems, was a true reflection of the discussions which had taken place in the Working Group of the Plenary.

2.23 The **Chairman of the Working Group of the Plenary** said that the modification procedure set out in the Annex to the recommendation before the meeting might judiciously be included in the resolution his Group was submitting in Document 245. He therefore proposed that consideration of Recommendation COM4-B be deferred so that the matter could be discussed with the Chairman of Committee 4. The **delegate of Syria** endorsed that suggestion.

2.24 The **delegate of Morocco** said it was vital that the Conference should not prejudge what WRC-97 might wish to do. It would thus be preferable to delete the Annex to the Recommendation.

Otherwise, his Administration would not consider itself to be bound by any of the provisions thereof and would not accept Appendices 30 and 30A as authorizing administrations to obtain additional orbital positions.

2.25 The **Chairman of Committee 4** pointed out that the text before the meeting was a recommendation, which in no way bound administrations and was intended solely to ensure that the work accomplished on Article S10 by the VGE, and subsequently the CPM and the Conference itself, was brought forward to future conferences, whether world or regional. The **delegate of France** shared that point of view.

2.26 The **Chairman** proposed that Recommendation COM4-B be placed in square brackets.

2.27 It was so **agreed**.

2.28 With the exception of the parts remaining in square brackets, the second series of texts submitted by the Editorial Committee (B.2) (Documents 209 and Corrigendum 1), as a whole, as amended, was **approved** on first reading.

3 Third series submitted by the Editorial Committee for first reading (B.3) (Document 233)

Articles S30 and S31

3.1 **Approved.**

Article S32

3.2 The **Chairman of Committee 4** said that the ITU-R Recommendation to which No. MOD S32.7 referred was Recommendation M.1172; the square brackets and the text therein could thus be deleted. The resolution referred to in No. MOD S32.64 was Resolution COM4-4, although the square brackets around that reference should be maintained pending final numbering.

3.3 Article S32, as amended, was **approved**.

Article S33

3.4 **Approved..**

Article S34

3.5 The **Chairman of Committee 4** said that the resolution referred to in the two sections in Article S34 was Resolution COM4-4.

3.6 Article S34, as amended, was **approved**.

Articles S35, S36, S37 and S38

3.7 **Approved..**

Article S39

3.8 The **delegate of Morocco** pointed out that new No. ADD S39.8 contained the expression "inspection service", whereas earlier paragraphs in the same Article spoke of administration or government inspectors.

3.9 Article S39 was **approved**, with the point raised by the Moroccan delegate to be settled by the Editorial Committee.

Articles S40 and S41

3.10 **Approved.**

Article S42

3.11 The **delegate of Morocco** said that the wording of new No. ADD S42.4 was different from that of old RR 2664 in a number of respects. The differences raised issues of substance which needed to be considered. The **delegate of Spain** said that No. ADD S42.4 was the text of RR 3603 word for word. The **delegate of Finland** pointed out that RR 2664 referred to by the Moroccan delegate was covered in No. S23.2, to which reference was made in No. S42.4. The change was thus one of simple rearrangement rather than of content.

3.12 The **Chairman of Committee 4** said that his Committee had devoted a lot of time to the new provision, endeavouring to use the formulation adopted in the Radio Regulations as far as possible. No. ADD S42.4 could be placed in square brackets pending appropriate verifications.

3.13 It was so **agreed**.

Articles S43, S44, S45 and S46

3.14 **Approved.**

Article S47

3.15 The **Chairman of Committee 4** said that the expression "[Annex 58 and Appendix 12]" should be replaced by "M.1169" wherever it appeared in Section IV.

3.16 Article S47, as amended, was **approved**.

Articles S48 and S49

3.17 **Approved.**

Article S50

3.18 Article S50 was **approved**, subject to replacing the reference "[Annex 58 and Appendix 12]" by "M.1169".

Article S51

3.19 The **Chairman of Committee 4** said that No. MOD S51.7 was one of the cases where it had been agreed to include the whole of the text concerned in the Regulations rather than just a reference. Accordingly, the words "Recommendation ITU-R [1A/XF]" should be replaced by "Appendix S2". The resolution referred to in No. MOD S51.25 was COM4-4. Finally, in

No. MOD S51.71, the first reference in square brackets should be replaced by "M.1171" and the second by "M.1170", the square brackets being deleted in both cases.

3.20 Article S51, as amended, was **approved**.

Article S52

3.21 The **Chairman of Committee 4** said that all the references to Annex 63 of the Regulations should be replaced by "M.1170". He proposed that all amendments of that type be effected on the basis of the table of correspondence in Document 241. In reply to comments by the **delegates of Syria and Swaziland**, he recalled the principles on which the Committee had agreed in respect of incorporation by reference and said that the principles in question had been duly applied.

3.22 Article S52, as amended, was **approved**.

Articles S53, S54, S55, S56 and S57

3.23 **Approved**.

Resolution COM4-3

3.24 The **Chairman of Committee 4** said that *considering e)* had been left in square brackets pending confirmation from the Working Group of the Plenary that the item in question was to be placed on the agenda of WRC-97.

3.25 Resolution COM4-3 was **approved**.

Recommendation 100 (Rev.WRC-95) and Recommendation COM5-A

3.26 The **Chairman of Committee 5** said that some provisions had been placed in square brackets pending the harmonization of texts in the Final Acts.

3.27 Recommendation 100 (Rev.WRC-95) and Recommendation COM5-A were **approved**.

3.28 The third series of texts submitted by the Editorial Committee (B.3) (Document 233), as a whole, as amended, was **approved** on first reading.

4 Fifth series of texts submitted by the Editorial Committee for first reading (B.5) (Document 247)

Article S11

4.1 The **delegate of Germany** said that the designation of the Master International Frequency Register should be corrected in the English version of No. (MOD) S11.1.

4.2 The **delegate of Morocco** said that, generally speaking, small delegations were unable to follow the work of all groups, with the result that they could not be sure that their administrations' interests were safeguarded by rapid consideration of the texts in Plenary. He wished to know, in particular, why No. S11.6 had been deleted.

4.3 The **Chairman** said that he had always been at pains to give delegations an opportunity to state all their concerns on items of substance, but preferably without reopening the debate on points of detail.

4.4 The **Chairman of Committee 4**, supported by the **delegate of Luxembourg**, said that No. S11.6 had been deleted because many of the items in Article S11 were related to Article S9, which had just been completed and covered the subject dealt with in No. S11.6.

4.5 The **delegate of Morocco** said that the subject was not dealt with elsewhere and that No. S11.6 should thus be retained.

4.6 It was **agreed** to retain No. S11.6.

4.7 The **Chairman of Committee 4** said that the square brackets in No. NOC S11.14 should be retained and those in No. MOD S11.21 deleted.

4.8 The **delegate of Morocco** said that simplification of the Radio Regulations did not mean deregulation of use of the spectrum. The proposed text provided for deletion of Nos. S11.16 and S11.16.1, by which the VGE had wished to ensure international protection of frequency assignments in the HF bands below 28 MHz for the developing countries, who would be relinquishing the protection afforded by the Article 12 examination procedure. The deletion of Nos. S11.16 and S11.16.1 was thus unwarranted. The **delegates of Syria and Mali** subscribed to that analysis.

4.9 The **delegate of Luxembourg** said that the Drafting Group which had worked on the text in question had had the impression that the international protection which the VGE proposal conferred on certain assignments would place the BR in an extremely difficult position, as was clearly shown in practice by the application of existing RR 1218, in so far as other assignments which had been operating for many years only enjoyed international recognition. Reinstating Nos. S11.16 and S11.16.1 would lead to a whole series of other amendments.

4.10 The **delegate of France**, supporting the previous speaker, said that the VGE proposals could not take precedence over the results of the work accomplished by delegates at the Conference itself.

4.11 The **delegates of Australia and Sweden** shared the view expressed by Luxembourg and France. The **delegate of the Netherlands** said that delegations which opposed the deletion of the provisions in question could always enter reservations when signing the Final Acts.

4.12 The **delegate of Papua New Guinea** endorsed the comments made by Morocco and the **delegate of Syria** urged that the provisions be retained.

4.13 The **Chairman** proposed that Nos. SUP S11.16 and SUP S11.61.1 be placed in square brackets to allow consultations with a view to settling the matter.

4.14 It was so **agreed**.

4.15 The **delegate of Morocco** said it would be preferable to retain No. SUP S11.26 in order to avoid any notice communicated to the Bureau after the specified deadline being considered as not in conformity with the Regulations, which would constitute a significant departure from current practice.

4.16 The **Chairman of Committee 4**, while recognizing the validity of the comments made, said that the matter had been discussed in committee, where the deletion of No. S11.26 had been approved without comment.

4.17 The **Chairman of Drafting Group 4B2** said that there was no point in retaining the provision in question, which only related to remarks in the Master Register and was thus superfluous in a regulatory text.

4.18 It was **agreed** to place No. SUP S11.26 in square brackets.

4.19 With regard to No. ADD S11.33.3, the **delegate of Morocco**, pointing out that the current Appendix 3 contained information concerning typical stations, felt that there was no need for administrations to have to provide such information anew. Furthermore, given the separate treatment of Appendices 30 and 30A, No. MOD S11.34 would have to be amended, since it made reference to a world or regional allotment plan.

4.20 The **Chairman of Committee 4** said that the words "where appropriate" had been included in No. MOD S11.34 precisely to take account of the above point and that No. ADD S11.33.3 had been approved by Committee 4 as it stood, without comment.

4.21 The **Chairman of Drafting Group 4B2** recalled that No. ADD S11.33.3 was a note to No. MOD S11.33 and that the Bureau required actual parameters for the purposes of calculating interference between earth stations and terrestrial stations or between earth stations.

4.22 The **delegate of Morocco** said that it should be taken into account that not all administrations might be in a position to communicate the required information.

4.23 It was **agreed** to place Nos. MOD S11.33 and MOD S11.34 in square brackets.

4.24 Following a comment by the **delegate of Syria** concerning No. SUP S11.40, the **Chairman of Committee 4** said that the provision could be deleted because the Bureau did not carry out technical examinations in such cases. In addition, the wording in square brackets in No. MOD S11.41 should be deleted; in No. ADD S11.41bis the words "No. S11.33 or S11.34" should be replaced by "No. S11.32bis or S11.33"; and "in Nos. S11.24, S11.25 and S11.44" should actually read "in Nos. S11.24, S11.25 or S11.44".

4.25 The **Chairman of Committee 6** drew attention to an editorial amendment in the French version of No. MOD S11.44.

4.26 The **delegate of Morocco** said that, on account of the addition of several provisions such as Nos. ADD S11.39A to ADD S11.39D which referred to specific types of assignment, it would be good to use specific subheadings. Furthermore, he was in favour of retaining No. S11.44.1 since the entry of the date of bringing into service of a notified assignment was there for information purposes only, in particular for relations between countries.

4.27 The **Chairman of Committee 4**, while recalling that deletion of the provision had been approved by his committee, said that there would be no problem retaining it if the Plenary so wished.

4.28 The **Chairman of Drafting Group 4B2** said that the date recorded in column 2c was valuable for the actual coordination process.

4.29 The **delegate of France** recalled that the decisions taken by Committee 4 with respect to Article S11 were the fruit of long hours of discussion in an effort to make the whole article consistent. It would be dangerous to revert to specific provisions in Plenary at the risk of undermining the coherence of the whole. He suggested that No. SUP S11.44.1 be placed in square brackets to allow an evaluation of the impact of its retention on Article S11.

4.30 The **delegate of Morocco** said that the administrations which had participated in the work of the VGE had taken over three years to review the Regulations, and, on account of the frequency of meetings at the Conference, small delegations such as his own had not been able to attend all meetings. He could thus not accept that a small number of delegations should take decisions for all

the others. Like the Chairman of Drafting Group 4B2, he acknowledged that the date of bringing into service was of value for the coordination procedure but not for notification under Article S11; that was why his delegation considered that the date of bringing into service notified under Article S11 was for information purposes only.

4.31 The **Chairman** emphasized that it was in Plenary that decisions were taken on proposals submitted by the Committees.

4.32 The **delegate of France** pointed out the Voluntary Group of Experts was made up not of administrations but of independent persons, and that the VGE Report had not always been accepted unanimously by the experts. Furthermore, decisions on the text before the Plenary had not been taken by a minority of delegations and the delegations of the countries which were now challenging those decisions had been party to the work of Committee 4 and Working Group 4B.

4.33 It was **agreed** to place No. SUP S11.44.1 in square brackets.

4.34 Article S11, as amended, was **approved**.

Article S13

4.35 The **delegate of Morocco** said that the comments relating to No. SUP S11.16 were also valid for Nos. SUP S13.5 to SUP S13.8.

4.36 The **Chairman of Committee 4** said that, although the principle of deleting the provisions in question had been approved, a number of reservations had been expressed when the text had been drawn up.

4.37 It was **agreed** to place Nos. SUP S13.5 to SUP S13.8 in square brackets.

4.38 With respect to No. MOD S13.11, the **delegate of Morocco** supported by the **delegate of Syria**, suggested that it be specified that the Master Register was maintained in accordance with the Rules of Procedure.

4.39 The **delegate of France** had difficulty in agreeing to Morocco's proposal without knowing precisely which Rules of Procedure were involved.

4.40 The **Chairman of Committee 4** said that in line with Committee 4's decision, the words "and shall in particular" should be deleted. Furthermore, he suggested that it be stated that the Bureau maintained the Master Register in accordance with the Radio Regulations.

4.41 It was so **agreed**.

4.42 At the suggestion of the **delegate of Morocco**, it was **agreed** to set up a small group of interested delegations and the Chairman of Committee 4 to put forward new text for all the items still in square brackets. It was also **agreed** to defer consideration of the remainder of Article S13 and of Article S14 to a subsequent Plenary Meeting.

Resolution COM4-4

4.43 The **Chairman of Committee 4** said that in *considering c)* the words "that only some of those Recommendations had been incorporated" should be replaced by "that not all those Recommendations had been incorporated". The **delegate of Spain** pointed out that it had previously been decided to delete the word "current" before "Radio Regulations" in *considering f)*.

4.44 The **delegate of Morocco** said that, to his recollection, it had been decided to include ITU-T Recommendations in the title of the resolution. He also wished to know who would study and compare the texts of new Recommendations adopted and sought assurance that Recommendations to which reference was made would only be revised if the matter was included in the agenda of a competent WRC.

4.45 The **Chairman of Committee 4** said that the Committee had found only one single case in which reference might have been made to an ITU-T Recommendation and had not considered it worth dwelling on. With respect to the question of studying and comparing new Recommendations, that would be done, as indicated under *resolves*, by the administrations and the Director of the Radiocommunication Bureau. The question of revision of the Recommendations to which reference was made was considered in detail in Resolution COM4-5. Participants could rest assured that the revision process would in no way be automatic. That having been said, while the decision to update a Recommendation undoubtedly fell within the purview of a WRC, there was nonetheless a need to be able to expedite updating in some cases.

4.46 Resolution COM4-4 and the Annex thereto, as amended were **approved**.

Resolution COM4-5

4.47 The **delegate of Morocco** said that, although it was wise to retain some flexibility, it was nevertheless desirable for Recommendations to which reference was made to be revised only if provided for in the agenda of a WRC. Such revisions, which could not be conducted by a radiocommunication assembly, should be carried out on the basis of proposals by administrations under a standing agenda item for future WRCs.

4.48 The **Chairman of Committee 4** said that the issue had been discussed at length and that the Resolution before the meeting reflected the outcome of the exchanges of views. As indicated in *resolves* 2, it was the WRC which decided whether or not to update Recommendations to which reference was made.

4.49 The **delegate of Syria** did not think it appropriate for a radiocommunication assembly to request a conference to update Recommendations approved during the study period.

4.50 The **Chairman** believed that the operative part of the Resolution was sufficiently explicit in that it stated in *resolves* 2 that the list of Recommendations submitted by the assembly constituted a basis for the WRC. He suggested that the delegations concerned should draw up a compromise text for the Resolution.

4.51 It was **agreed** to revert to consideration of Resolution COM4-5 at a later stage.

4.52 With the exception of the texts remaining in square brackets, the fifth series of texts submitted by the Editorial Committee for first reading (B.5) (Document 247), as a whole, as amended, was **approved** on first reading.

The meeting rose at 1810 hours.

The Secretary-General:
P. TARJANNE

The Chairman:
S. AL-BASHEER



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 315-E
11 December 1995
Original: English

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

COMMITTEE 5

SUMMARY RECORD
OF THE
FIFTEENTH MEETING OF COMMITTEE 5
(MSS AND OTHER MATTERS)

Monday, 13 November 1995, at 1835 hours

Chairman: Mr. G.F. JENKINSON (Australia)

Subjects discussed

Documents

- | | | |
|----------|---|-----------------|
| 1 | First and second reports of Working Group 5C (continued) | 202(Rev.1), 240 |
| 2 | Report of the Informal Group set up to study allocations in the bands 149.9 - 150.05 and 399.9 - 400.05 MHz | 248 |
| 3 | Reports of Working Group 5B (continued) | 187(Rev.1), 210 |

1 First and second reports of Working Group 5C (continued) (Documents 202(Rev.1), 240)

Document 240 (continued)

1.1 The **Chairman** invited the Committee to consider the second report of Working Group 5C (Document 240) annex by annex.

Annex 1: Article S5

1.2 The **Chairman of Working Group 5C** said that certain issues remained outstanding after lengthy discussion in the Working Group. The first was a proposal by Germany to add in square brackets a reference to footnote S5.149 (MOD 533) in the upper part of the table relating to 5 925 - 6 700 MHz.

1.3 The **delegate of Germany** said he had been informed that Committee 4 had agreed to include the band 6 650 - 6 675.2 MHz and a footnote S5.149. Accordingly, the reference to that footnote could be inserted in the table, as his delegation had proposed, but without there being any need to place it between square brackets.

1.4 It was so **agreed**.

1.5 The **Chairman of Working Group 5C**, referring to ADD 809A, which had been discussed at the Committee's thirteenth meeting, reminded delegates that the phrase "in the band 7 025 - 7 075 MHz (space-to-Earth)" should be inserted after "[Resolution 46]".

1.6 It was so **agreed**.

1.7 The **Chairman of Working Group 5C** drew attention to the second sentence of ADD 809A, which had given rise to differences of opinion in the Working Group and had been placed in square brackets at the Committee's thirteenth meeting.

1.8 The **Chairman** asked whether there was any objection to the removal of the square brackets from around that sentence.

1.9 The **delegate of the United States** said it was his understanding that Committee 4 had been discussing the wording of a standard sentence to cover suspension of the application of RR 2613 in the feeder-link bands.

1.10 In response to a proposal by the **delegate of Russia** to delete the second sentence of ADD 809A altogether, the **Chairman** observed that the effect would be to make MSS feeder links systematically subordinate to geostationary FSS systems.

1.11 The **delegate of the United Kingdom** was in favour of removing the square brackets and retaining the second sentence.

1.12 The **Chairman of Working Group 5C** was in favour of keeping square brackets round the sentence until a solution had been found, perhaps by a joint working group of Committees 4 and 5.

1.13 The **delegate of Canada** said that the application of RR 2613 was a generic issue which would apply to all feeder-link systems in different bands. Observing that Resolution 46 and RR 2613 were mutually exclusive, because when one applied the other did not, she stressed the need to clarify the question of when and to which stations Resolution 46 would apply. In her view,

the square brackets should remain around the second sentence and a note should be added to the effect that a common approach to the matter would be worked out before further consideration of the text.

1.14 The **Chairman of ad hoc Group 1 of Working Group 5C** said he did not share that view, observing that the intention in the ad hoc Group had been for RR 2613 to continue to apply in the bands of the Allotment Plan, namely, up to 7 025 MHz. The reference to Resolution 46 was intended to cover coordination between feeder links from two different systems. RR 2613 would be waived only in the upper range of 7 025 - 7 075 MHz. If a uniform solution was to be applied, further discussion would be required.

1.15 The **Chairman** asked whether the following suggestion would be acceptable: bearing in mind that the band 6 700 - 7 025 MHz was subject to the Appendix 30B Allotment Plan and that in accordance with the CPM Report there would be other provisions which would allow feeder links for non-GSO systems to operate without jeopardizing that Plan, the Committee might note that the provisions of RR 2613 could remain applicable in respect of the 6 700 - 7 025 MHz band, on the understanding that the matter would be reviewed after further discussion in ad hoc Group 3 of Committee 5.

1.16 The **delegate of the United States** asked for clarification concerning the date of 17 November 1995, after which he assumed that application of RR 2613 would be suspended even in respect of the Allotment Plan. The **Chairman** said it was his understanding that in order to provide adequate protection for the Appendix 30B Allotment Plan, RR 2613 would remain in force but probably would not impose major technical constraints on MSS feeder links in the band concerned. The **Chairman of Working Group 5C** confirmed that explanation.

1.17 The **delegates of the United States and Canada** reserved the right to revert to the matter pending informal discussions.

1.18 The **Vice-Chairman** suggested inserting the phrase "[in the bands 7 025 - 7 075 MHz]" after "The provisions of No. 2613" at the beginning of the second sentence of ADD 809A.

1.19 The **delegate of Russia** considered that the footnote should reflect the fact that the 6 700 - 6 725 MHz portion of the band did not concern Appendix 30B, as the Allotment Plan started at 6 725 MHz. The **delegate of Canada** considered that the footnote should cover the entire band 6 700 - 7 075 MHz. The **Chairman** said that the point at issue was whether RR 2613 should be retained for the Allotment Plan band, which coincided only partially with the band 6 700 - 7 075 MHz.

1.20 Following informal consultations, the **delegate of Canada** proposed, as a compromise, that the second sentence should be replaced by the following text: "[The use of the band 6 700 - 7 075 MHz (space-to-Earth) by feeder links for non-geostationary satellite systems in the mobile-satellite service is not subject to the provisions of No. [2613] S22.2]".

1.21 The **delegate of Luxembourg** considered that the effect of that proposal would be to suspend the application of RR 2613 in respect of all existing systems, and the **delegate of Germany** said the proposal was not an acceptable compromise. The **delegate of the United Kingdom** said that the proposal needed further consideration, as there was some concern that it might create a precedent for codirectional use in other frequency bands.

1.22 Annex 1, as amended, was **approved** subject to further informal consultations concerning ADD 809A.

Annex 2: 15.35 - 15.7 GHz

Annex 3: Draft Resolution COM5-8 (WRC-95)

1.23 The **Chairman of Working Group 5C**, referring to Annex 2, said that in the third line of ADD 865A and the fourth line of ADD 865C "No. S5.11bis" should read "No. S9.11bis". The annex contained the footnotes for the 15.35 - 15.7 GHz allocation for MSS feeder links. ADD 865A concerned the downlink, for which the power flux-density limit had been agreed upon after lengthy discussion, and ADD [865C] concerned the allocation of spectrum for the uplink which was associated with draft Resolution COM5-8 (WRC-95) in Annex 3.

1.24 The **delegate of the United States** proposed inverting the order of the references to Resolution 46 and No. S9.11bis in the two footnotes in question. Regarding the *also resolves* section of the draft Resolution, he proposed replacing the words "shall enter into force" by the phrase "shall be effective". The **delegate of the United Kingdom** said that for the sake of consistency with other draft resolutions the phrase "Earth-to-space" should be placed after "the fixed-satellite service" in the title of the draft Resolution.

1.25 Annexes 2 and 3, as amended, were **approved**.

Annex 4: Draft Recommendation COM5-B (WRC-95)

1.26 **Approved**.

Annex 5: Draft Resolution COM5-9

1.27 Following an exchange of views between the **delegates of Germany and Canada** and the **Chairman** it was **agreed** to delete *considering c*).

1.28 Annex 5, as amended, was **approved**.

1.29 Document 240 as a whole, was amended, as **approved** subject to further consultations concerning ADD 809A in Annex 1.

Document 202(Rev.1) (continued)

1.30 The **Chairman** observed that Annexes 1-7 of Working Group 5C's first report (Document 202(Rev.1)) had been dealt with at the Committee's twelfth meeting. He drew attention to Annex 8, discussion of which had not been completed on that occasion.

Annex 8: Article S5 (continued)

1.31 **Approved**, with the exception of the references to the specific frequency bands which appeared between square brackets in all the footnotes.

1.32 The **Chairman** having invited comments on the frequency bands, the **delegate of Canada** said that her delegation had originally been in favour of a 500 MHz bandwidth but was now supporting the allocation of 400 MHz. The use of the bands in question by feeder links did not imply a change in allocations, nor would it affect existing services. Nevertheless, coordination between the three major users, namely, non-GSO feeder links, GSO FSS systems and fixed services, was essential. Moreover, a 400 MHz bandwidth was a minimum and indispensable requirement for systems actually being planned. With regard to the concern expressed during earlier discussions about coordination difficulties with fixed services, it should be emphasized that there would be no

change to power flux-density values in the downlink direction. Coordination between earth stations and fixed-service terrestrial stations, as well as between GSO FSS and non-GSO MSS networks, would be a strictly national and bilateral matter. Administrations would decide on their own accord about coordination and the amount of spectrum they wished to use for feeder links; they would not be obliged to use 400 MHz. One part of the non-GSO MSS feeder link allocation in the 19.2 - 19.7 GHz band would be shared on a bidirectional basis, and non-GSO feeder links would in turn share that band with GSO FSS networks and would also coordinate it with the fixed services.

1.33 The **delegate of Australia** supported the allocation of 400 MHz in the bands 19.3 - 19.7 and 29.1 - 29.5 GHz as providing sufficient spectrum to allow several global systems to operate in those bands at competitively low cost, for the benefit of all countries. A number of real systems which needed to operate in the 19 and 29 GHz bands were already at an advanced stage of planning. Australia was not itself considering an allocation, but wished simply to identify spectrum to enable non-GSO MSS systems to operate on an equal basis with GSO systems in shared bands. His Administration, which did not propose giving priority to non-GSO feeder links considered that effective coordination would be extremely difficult to achieve if the bandwidth provided were restricted to 2 x 200 MHz. Finally, he agreed with the previous speaker that the decision on how much spectrum to use should be up to individual administrations.

1.34 The **delegate of the United States** fully agreed with the two previous speakers that 2 x 400 MHz in the 19.3 - 19.7 and 29.1 - 29.5 GHz range was needed to support the systems to be established. The **delegates of Brazil, Mexico, Papua New Guinea, Honduras, Chile, India, Zambia, Benin, Trinidad and Tobago, Ghana, Thailand, Argentina, Indonesia, South Africa, Kenya, Zimbabwe, Israel, Morocco and Uganda** also supported the 400 MHz allocations.

1.35 The **delegate of Italy**, speaking on behalf of the CEPT countries, said that 200 MHz in the bands 19.4 - 19.6 GHz for the downlink and 29.1 - 29.3 GHz for the uplink would meet the minimum requirements for the planned systems. That position was supported by the **delegates of Estonia, Spain, the United Kingdom, Germany, Portugal, France, the Netherlands, Norway, the Czech Republic, Switzerland, Denmark, Malta, Luxembourg, Finland, Ireland and Sweden**.

1.36 The **Chairman**, observing that opinions were clearly divided, suggested that negotiations should continue in the hope of achieving an acceptable solution.

1.37 It was so agreed.

2 Report of the Informal Group set up to study allocations in the bands 149.9 - 150.05 and 399.9 - 400.05 MHz (Document 248)

2.1 The **Chairman of Working Group 5A** drew attention to Document 248 containing the results of work by an Informal Group set up to resolve outstanding issues with regard to the bands 149.9 - 150.05 and 399.9 - 400.05 MHz.

2.2 The **delegate of the United States**, speaking as Chairman of the Informal Group, said that Document 248 could be divided into three parts: a proposed extension of the allocation to the land mobile-satellite service (Earth-to-space) in the band 149.9 - 150.05 MHz, with associated footnotes; a proposed allocation to the same service, also Earth-to-space, in the band 399.9 - 400.05 MHz; and draft Resolution [COM5-12] on studies relating to sharing between the radionavigation-satellite service and the mobile-satellite service in the two bands.

2.3 The **delegate of Mexico** supported the document, which offered a well-balanced solution to the issues addressed.

2.4 Document 248 was **approved** subject to editorial amendments as required.

3 Reports of Working Group 5B (continued) (Documents 187(Rev.1) and 210)

Document 187(Rev.1)

3.1 The **Chairman of Working Group 5B** said that unfortunately the Working Group had not had sufficient time to consider proposal J/187/1(Rev.), submitted by Japan in Document 187(Rev.1).

3.2 The **delegate of Japan** introduced proposal J/187/1(Rev.) which concerned the addition of a new footnote 723D, drawing attention to an editorial amendment to be made to the text. If the footnote was approved, a reference to it would need to be inserted in the appropriate part of the Table of Frequency Allocations (proposal J/187/2(Rev.)).

3.3 ADD 723D, as amended, was **approved**.

3.4 Proposals J/187/1(Rev.) and J/187/2(Rev.) were **approved**.

Document 210 (continued)

Annex 2: Draft Recommendation 717 (Rev.WRC-95) (continued)

3.5 The **Chairman** invited the Committee to resume consideration of the draft Recommendation in Annex 2 to Document 210, deferred from the twelfth meeting, and recalled that the words "below 3 GHz" were to be added at the end of the title.

3.6 The **Chairman of Working Group 5B** said that concern had been expressed that the wording of *considering b)* was not compatible with that of *recommends that the ITU-R*, which called for a study of "the remaining and urgent issues".

3.7 A brief discussion on new wording for *considering b)* ensued, in which the **Chairman of Working Group 5B** and the **delegates of Canada and Finland** participated, and further to which the **Chairman** suggested that the phrase "which require further examination" should be added at the end of the paragraph.

3.8 It was so **agreed**.

3.9 It was further **agreed** that the square brackets appearing twice in the text should be removed and, further to a query raised by the **delegate of Turkey**, that the year "1997" should be added to each of the references to the World Radiocommunication Conference in the *recommends* paragraphs of the Recommendation.

3.10 Annex 2 to Document 210, as amended, was **approved**.

The meeting rose at 2055 hours.

The Secretary:
G. KOVACS

The Chairman:
G.F. JENKINSON



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

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11 December 1995
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GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

COMMITTEE 5

SUMMARY RECORD
OF THE
SIXTEENTH MEETING OF COMMITTEE 5
(MSS AND OTHER MATTERS)

Tuesday, 14 November 1995, at 0940 hours

Chairman: Mr. G.F. JENKINSON (Australia)

Subjects discussed

Documents

1	Report of ad hoc Group 4 of Committee 5	249
2	Review of Resolution 208 (Mob-87) (continued)	-
3	Report of ad hoc Group 3 of Committee 5	219, 271
4	First and second reports of Working Group 5C (continued)	202(Rev.1), 240

1 Report of ad hoc Group 4 of Committee 5 (Document 249)

1.1 The **Chairman of ad hoc Group 4** introduced Document 249 dealing with transitional arrangements in the 2 GHz band, which had already been discussed at the Committee's thirteenth meeting in connection with Document 228. He emphasized that the new version of draft Resolution [COM5-7] in Annex 1 did not contain any change in the allocations to the fixed service. However, sharing in the 2 GHz band from the year 2000 onwards needed to be subject to general rules to ensure smooth running. Draft Resolution [COM5-7] urged administrations to follow a certain policy but did not force them to do so. On the understanding that transportable stations in the FS were considered to be fixed stations, ad hoc Group 4 had concluded that draft Resolution [COM5-7] did not apply to the mobile service, as indicated in the footnote to *considering b*). Ad hoc Group 4 had also made some minor editorial changes to the text to facilitate understanding, and had addressed the financial and economic concerns expressed during the earlier discussions. In both *considering a*) and the footnote to *resolves 1*, the date "1 January 2000" should be inserted at the appropriate place. The frequency band references appearing in square brackets throughout the text would also have to be reviewed.

1.2 The **delegate of Syria**, supported by the **delegate of Saudi Arabia**, expressed astonishment at the fact that the proposed date of entry into force of the MSS allocation was 1 January 2000 instead of 1 January 2005.

1.3 The **delegate of Mexico** suggested that the date 1 January 2000 might be placed in square brackets pending the outcome of further discussions. The **Chairman** said that it might be more practical not to mention any specific date for the time being; he was supported by the **delegate of Turkey**. The **delegate of Brazil** expressed the view that *considering a*) could be deleted altogether, with consequential amendment of *considering b*), since the indication of a date in *considering a*) did not affect the operative part of the draft Resolution. The **delegate of Algeria** said that no date should be mentioned in *considering a*) until the *resolves* section had been studied. The **Chairman of ad hoc Group 4** agreed that study of the *resolves* section would shed light upon the relevance of the date mentioned in *considering a*), and stressed that the main thrust of the draft Resolution was to provide for transitional arrangements which ensured appropriate protection for the fixed service. The **delegate of the United Kingdom** considered that it would be necessary to discuss all the dates mentioned in the *resolves* section.

1.4 Following a preliminary exchange of views between the **Chairman of ad hoc Group 4** and the **delegates of Greece and Syria** on the date "1 January 2000" in *resolves 1*, and after a brief procedural discussion initiated by the **delegates of Tanzania and Algeria**, the **Chairman** requested the Chairman of ad hoc Group 4 to provide further information on the draft Resolution as a whole, after which each of its paragraphs would be taken up in turn.

1.5 The **Chairman of ad hoc Group 4**, responding to the Chairman's request, said that *resolves 2* drew attention to the existence of fixed services other than those specified in *resolves 1*. *Resolves 3* was an important provision, in that it recognized the preferential treatment to be accorded to the services specified in *resolves 1* by requesting administrations to prevent unacceptable interference to them. *Resolves 4* outlined the different measures intended to facilitate the introduction and use of the 2 GHz band. It was worth noting the choice of language in those provisions: administrations were merely "urged" or "encouraged" to implement such measures. The only imperative used was under *resolves 4.2*, in connection with the introduction of new troposcatter systems. *Resolves 7* drew attention to the joint responsibility of network operators and administrations in protecting terrestrial fixed services in the least developed countries. The

Resolution represented a compromise solution, the views of the representatives of all three Regions participating in the ad hoc Group having been taken into account. Every effort was being made to provide the best possible protection for the fixed services, although clearly a number of aspects would remain at the discretion of administrations.

1.6 The **Chairman** suggested, in order to make headway, that detailed consideration of draft Resolution [COM5-7] should be deferred until the Committee's next meeting. In the meantime, delegates who had particular concerns should hold informal consultations with the Chairman of ad hoc Group 4.

1.7 Following comments of a procedural nature by the **delegates of Turkey, Syria and Swaziland**, the **delegate of Sweden** urged those who had expressed concerns to endeavour to read the draft Resolution in a more positive light. There was nothing in the text which prohibited the operation of the fixed services in the 2 GHz band; existing services would be allowed to continue operations after the introduction of the MSS allocations. Perhaps delegates who interpreted the text in a different way might care to draw attention to the provisions which led them to that conclusion. It should also be borne in mind that if the Resolution was not adopted by the Conference, RR 746B - which provided only for coordination between the MSS and the fixed services in accordance with Resolution 46 - would have to be relied on. The text before the Committee would undoubtedly provide a better coordination mechanism. The **delegate of the United Kingdom**, expanding on those comments, said that the draft Resolution would go some way towards meeting the concerns expressed with regard to existing fixed services.

1.8 The **delegate of Algeria** said he would respect the majority view by endorsing the Chairman's suggestion to defer consideration of the Resolution. At the next meeting his delegation would state its views and propose a number of amendments to the text.

1.9 The **Chairman of ad hoc Group 4** said that he would be happy to answer any queries delegates might have regarding the Resolution before its consideration at the Committee's next meeting. Delegates could also contact representatives of the following countries which had participated in the work of ad hoc Group 4: Australia, Brazil, Cameroon, Canada, China, Germany, Israel, Japan, Republic of Korea, Nigeria, South Africa, Senegal, Spain, Sweden, Tanzania and the United States.

1.10 On that understanding, it was **agreed** to defer further consideration of draft Resolution [COM5-7].

2 Review of Resolution 208 (Mob-87) (continued)

2.1 The **Chairman** said that no document had been produced on the subject of Resolution 208, since despite protracted discussions it had not been possible to reach agreement on the various proposals put forward in that connection.

2.2 The **Chairman of Working Group 5B** confirmed that his last-ditch attempt to hold consultations on Resolution 208 had proved unsuccessful.

2.3 The **delegate of Germany**, speaking on behalf of the CEPT countries, said that the proposal to suppress the Resolution on the grounds that it was out of date remained valid.

2.4 The **delegate of Canada** said that the purpose of the Resolution, which had been drafted in 1987 by Canada and Brazil on the latter's proposal, was to ensure that worldwide and regional systems would not deprive countries of adequate spectrum for national systems. Under its

provisions, any sovereign State could ensure that unwanted services would not be allowed to operate over its territory. However, that in itself would not suffice. Adequate spectrum for the introduction of new systems must be guaranteed, which was the purpose of *resolves* 1. *Resolves* 2 allowed for technological progress and the increasing feasibility of smaller spot beams that would create less interference. Although admittedly little progress had been made thus far, the aim of causing the least possible interference to neighbouring countries remained a valid concept and *resolves* 1 and 2 were still relevant, as borne out by the difficulties encountered regarding coordination procedures for the different MSS systems in the 1.5 - 1.6 GHz band. It would therefore be premature to suppress the Resolution, at least until conditions in that band improved.

2.5 In the ensuing discussion, the **delegate of Mexico** stated his preference for retaining Resolution 208 in order to expedite the work of the Committee, for the reasons outlined by the Canadian delegate. The **delegates of Nigeria** and the **Netherlands** expressed support for the proposal by the CEPT countries to suppress the Resolution. The **delegate of Syria** was in favour of retaining it, subject to a few editorial amendments to bring it up to date. The **delegate of Brazil**, supported by the **delegates of Australia** and **Papua New Guinea**, said that although he had originally been in favour of revising the Resolution to take account of technological developments, he now took the view that it should be retained in its present form in order to expedite the work of the Conference.

2.6 The **delegate of the United States** said that the importance of compromise and the need to respect such compromises once they were reached had been a leitmotiv of the Conference. Resolution 208 represented a delicate compromise. It provided for the protection of sovereign rights and safety services in the bands in question. WARC-92 had decided that the Resolution should remain in force pending the completion of relevant studies. Furthermore, the 1995 Conference Preparatory Meeting (CPM) had recognized the need for the Resolution. For those reasons, he was in favour of its retention.

2.7 The **delegate of Ghana** expressed support for the retention of the Resolution, for the reasons given by the delegates of Canada and the United States.

2.8 The **delegate of the United Kingdom** said that, unlike the United States delegate, he considered the Resolution to be detrimental to international services, particularly in the field of distress and safety. The concerns expressed on the subject could be met through coordination between administrations. He supported the CEPT countries' proposal to suppress the Resolution.

2.9 The **delegate of the Islamic Republic of Iran** said that since some parts of the Resolution required further consideration, it should be retained in its present form.

2.10 The **Chairman**, having invited delegates to indicate their views on Resolution 208 by a show of hands, noted that there was more or less equal support for the two main proposals, namely, the retention of the Resolution in its current form or subject to minor amendments, and its suppression. Clearly the Committee had no basis for reaching a decision and the issue would have to be taken up by the Plenary. The results of the show of hands would be communicated to the Plenary in order to facilitate its discussion on the issue.

2.11 It was so **agreed**.

3 Report of ad hoc Group 3 of Committee 5 (Documents 219, 271)

3.1 The **Chairman of ad hoc Group 3** said that his Group had held three meetings, the outcome of which was contained in Document 271, namely, a draft new Annex 2 to Resolution 46 setting out technical criteria necessary for the application of the Resolution, which was supposed to enter into force immediately after the Conference. The document was divided into three parts dealing with three basic issues. Under the first Part (A2.1) it was worth noting the method for calculating the value of fractional degradation in performance (FDP), described in § 2.1, as well as the possible use of Recommendation ITU-R IS.1143 and its Annex on the system-specific methodology (SSM) to be used in determining the need for detailed coordination of non-GSO MSS systems in the space-to-Earth MSS allocations with the fixed service (§ 3.2). The input from Working Group 5C, which had been approved by Committee 5, would be inserted under A.2.1.3 and A.2.2. The mandate of ad hoc Group 3 had also included the preparation of a draft Resolution on future work. At its last meeting, the Group had started work on such a text but had been unable to complete it due to time constraints. However, it appeared that other texts adopted by Committee 5 covered some of the issues intended to be dealt with in that draft Resolution.

3.2 The **Chairman** invited general comments on Document 271.

3.3 The **delegate of Syria** welcomed the proposed Annex 2 to Resolution 46, which would clarify the application of that Resolution, and suggested that such an approach to facilitating coordination might be useful in similar cases in the future.

3.4 During the ensuing exchange of views concerning the status of Document 219 in relation to Document 271, the **Chairman of ad hoc Group 3** confirmed that Annex 1 to Document 219 had been approved for inclusion in Article S21. Annex 2 to that document (draft Resolution [COM5-5]) had been approved in principle but final consideration had been deferred, pending the outcome of discussions in ad hoc Group 3. If Document 271 was approved, the proposed draft Resolution in Annex 2 to Document 219 might not be necessary. However, the two texts were not identical and some amendments might be needed to ensure consistency if Committee 5 still wished to approve the draft Resolution. Resolution 46 was an interim measure supplementing the existing provisions of Articles 28 and 29. It would apply from immediately after WRC-95 until the entry into force of the simplified Radio Regulations in which its provisions were incorporated. Committee 4 had approved Resolution 46 and its Annex 1 on the understanding that Committee 5 would provide the technical criteria to facilitate its application that would form its Annex 2. It was the text for that Annex that the Committee was being invited to consider in Document 271.

3.5 The **delegate of Japan** supported the view that draft Resolution [COM5-5] would not be necessary if Document 271 was approved.

3.6 The **Chairman** invited the Committee to consider Document 271 section by section.

3.7 During the ensuing discussion, amendments suggested to various parts of the text by the **delegates of Canada, Japan, the United Kingdom, Syria, New Zealand, India, Finland and Mexico**, the **Chairman of ad hoc Group 3** and the **Chairman** were **approved**. In view of time constraints, the **Chairman** urged delegates wishing to make further comments to do so by means of informal consultations with the Chairman of ad hoc Group 3 so that the latter could report orally to Committee 5 at its next meeting, when the matter would be considered further.

3.8 It was so **agreed**.

4 First and second reports of Working Group 5C (continued) (Documents 202(Rev.1), 240)

4.1 The **Chairman** announced that informal consultations following the previous meeting of Committee 5 had failed to resolve differences in relation to the allocation of 200 MHz versus 400 MHz for MSS feeder links and that Annex 8 to Document 202(Rev.1) had been transmitted to the Editorial Committee with square brackets around the specific frequency bands concerned. The matter would therefore have to be resolved in Plenary.

4.2 The **delegate of Canada** reported that misunderstandings regarding the text he had proposed for ADD 809A in Annex 1 to Document 240 at the Committee's previous meeting had been resolved during informal consultations and that the text within square brackets would therefore remain as proposed.

The meeting rose at 1250 hours.

The Secretary:
G. KOVACS

The Chairman:
G.F. JENKINSON



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

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11 December 1995
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GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

COMMITTEE 5

SUMMARY RECORD

OF THE

SEVENTEENTH AND LAST MEETING OF COMMITTEE 5

(MSS AND OTHER MATTERS)

Tuesday, 14 November 1995, at 2035 hours

Chairman: Mr. G.F. JENKINSON (Australia)

Subjects discussed

Documents

1	Consideration of draft Resolution 212 (WRC-95)	262
2	Report of ad hoc Group 3 of Committee 5 (continued)	271
3	Report of ad hoc Group 4 of Committee 5 (continued)	Addendum 1 to 7, 249, 260, 278
4	Mobile-satellite service filings with the Radiocommunication Bureau	5, 19, 29
5	Approval of summary records	-
6	Completion of the Committee's work	-

1 Consideration of draft Resolution 212 (WRC-95) (Document 262)

1.1 The **Chairman** said that draft Resolution 212 (WRC-95) on the implementation of future public land mobile telecommunication systems (FPLMTS) was a compromise text reflecting changes since WARC-92. He indicated that in *considering further f)* and *invites the ITU-T b)* the word "intersystem" should be inserted before the words "numbering plan".

1.2 Draft Resolution 212 (WRC-95), as amended, was **approved**.

2 Report of ad hoc Group 3 of Committee 5 (continued) (Document 271)

2.1 The **Chairman of ad hoc Group 3** said that, in accordance with the procedure approved at the previous meeting, proposals both substantial and editorial in nature had been communicated to him by delegations and incorporated in a revised version of Annex 2 to Resolution 46, a copy of which had been transmitted to the Secretariat. There had not, however, been sufficient time to circulate the revised document to all participants.

2.2 The **Chairman** suggested that Document 271 should be approved on the understanding that the requisite amendments would be incorporated in it by the Editorial Committee and that delegates might, if necessary, refer to them in Plenary.

2.3 The **delegate of Syria**, accepting that suggestion, requested the Chairman to inform the Plenary that there had been insufficient time to discuss the proposed amendments, some of which might need to be addressed.

2.4 On that understanding, Document 271 was **approved**.

3 Report of ad hoc Group 4 of Committee 5 (continued) (Addendum 1 to Document 7, Documents 249, 260, 278)

3.1 The **Chairman of ad hoc Group 4**, recalling the Committee's earlier discussions on the subject of transitional arrangements in the 2 GHz band, emphasized that Document 249 reflected a compromise based on the principle that the fixed service would retain its primary status. Draft Resolution [COM5-7] in Annex 1 to the document was in no way mandatory; it merely provided guidance to administrations in dealing with the potential sharing problem. Further work by the ad hoc Group on the date of entry into force for MSS in the 2 GHz range and on specific frequency bands was reflected in Document 278, Annex 1, which contained draft Resolution [COM5-13] relating to a review of allocations to the mobile-satellite service in that frequency range. The two allocation tables in the document proper represented a compromise which had been very difficult to achieve but which nevertheless reflected a positive approach towards meeting the needs of all the administrations represented in the ad hoc Group. Square brackets had been placed around SUP 746C pending clarification by the Radiocommunication Bureau in respect of notifications based on that footnote: that clarification had now been provided. Finally, he drew attention to Addendum 1 to Document 7 submitted by the Russian Administration, and to Document 260 containing proposals by a group of CITEL countries.

3.2 The **delegate of Russia** introduced proposals RUS/7/57A, RUS/7/57B and RUS/7/58, observing that no objections had been raised to them in Working Group 5B.

3.3 The **delegate of the United Kingdom** supported the Russian proposals.

3.4 The **delegates of Syria and Algeria** drew attention to the fact that none of the Arab group of countries had been represented in ad hoc Group 4.

3.5 Following further comments by the **Chairman of ad hoc Group 4** and the **delegates of Russia and Algeria**, the Russian proposals in Addendum 1 to Document 7 were **approved**.

3.6 The **delegate of Mexico**, speaking on behalf of the CITEL countries which had submitted Document 260, said that those countries fully supported the compromise solution set out in Document 278 and its Annex.

3.7 The **delegate of Swaziland** questioned whether the solution put forward in Documents 249 and 278 was in any way a compromise as several of the provisions in draft Resolutions [COM5-7] and [COM5-13] might lead to the exclusion of certain countries.

3.8 The **delegate of Nigeria** said that WRC-95 was expected to support the timely introduction of new technologies for the provision of low-cost MSS services in the 2 GHz range in developing countries, and to provide the necessary regulatory tools to protect existing systems. Stressing that a number of African countries had supported the advancement of the date of entry into force of the 2 GHz MSS allocations to the year 2000 in Regions 1 and 3 (cf. Document 216) and that protection for existing fixed services would be ensured by both the implementation of draft Resolution [COM5-7] and the Resolution 46 coordination procedures, he urged delegations to show a spirit of cooperation in order to achieve consensus on those issues.

3.9 The **delegate of the United Kingdom**, referring to draft Resolution [COM5-7] annexed to Document 249, said that the proposed transitional arrangements gave almost total safeguards to the existing fixed services, especially those to be implemented before the year 2000. After that date the fixed service would be in a similar situation to the MSS, coordination being required between the two. It had been clear from the discussions in ad hoc Group 4 that developing and developed countries alike shared the same concern about the fixed services, and he therefore supported draft Resolution [COM5-7]. Draft Resolution [COM5-13], although not satisfactory to all, had been regarded as the best compromise possible in the time available and should be considered in conjunction with draft Resolution [COM5-7].

3.10 The **delegate of Germany** considered that all requirements were covered by the two documents. A balance had been struck and no country would be excluded from the bands under consideration, in which the fixed service would continue to receive protection.

3.11 The compromise solution put forward in Documents 249 and 278 was supported by the **delegates of Spain, Sweden, Cameroon, Canada, Tanzania, Australia, France, Brazil and Cuba**.

3.12 The **delegate of Zimbabwe** expressed concern at certain apparent contradictions between the two documents, in particular between *resolves* 1 of draft Resolution [COM5-13] and *resolves* 4.1 of which referred to Recommendation ITU-R F.1098. That concern was shared by the **delegate of Kenya**.

3.13 The **delegate of Japan** said that many countries in Region 3 preferred to maintain the worldwide allocations decided at WARC-92. In general his Administration supported the two documents, although it had certain reservations concerning *resolves* 1 of draft Resolution [COM5-13] since any further changes made to the 2 GHz MSS allocations by WRC-97 could cause serious difficulties in implementing the transition plan for fixed stations based on the decisions of WARC-92.

3.14 The **delegate of Syria** said that as he had not been able to attend the meetings of ad hoc Group 4 because they had been held simultaneously with Committee 5 and Plenary Meetings, he had not had sufficient time to examine Document 278. He regretted that for the past week there had been no opportunity to discuss proposals in detail item by item, but only in general terms. While respecting the views of those who were in favour of the compromise solution, he said that his Administration was unable to endorse that position, since it considered the texts in question to be one-sided. The protection of terrestrial services was a right, not a favour to be granted, and those services had to be protected until the year 2005. He reserved the right to revert to the matter in Plenary.

3.15 The **delegate of Algeria** expressed appreciation of the efforts made to find a solution to the problems dealt with in the two documents. At the present juncture, however, his delegation could not make any commitment that would, in effect, prevent Algeria from notifying assignments to terrestrial systems in the coming years. While it would endeavour to do its best, his Administration could not commit itself to transferring a very large part of its terrestrial services to other channels before the year 2000 in order to secure protection for those services. Algeria felt strongly that use of the bands 1 980 - 2 110 MHz and 2 170 - 2 200 MHz by mobile-satellite services should not entail interference to fixed and mobile services or disturb their development. Contrary to the claims made by previous speakers, services and stations notified or established after 1 January 2000 would no longer be protected. That was why his Administration was calling for adequate protection of all the services concerned.

3.16 The **delegate of Egypt** said that his Administration, which had a large number of networks operating in the 2 GHz band, joined those calling for protection in that band.

3.17 The **delegate of Senegal** said that his delegation had no difficulty in accepting the consensus on Document 249. Unfortunately, however, it had received Document 278 only a short time earlier and had not been involved in the discussion of the proposals contained therein. Could the Committee not approve Document 249 and postpone consideration of Document 278?

3.18 The **Chairman**, summing up, said that he would convey to the Plenary that there was a large majority in favour of the compromise represented by Documents 249 and 278 and that a small number of delegations had expressed reservations on certain aspects.

3.19 It was so agreed.

4 Mobile-satellite service filings with the Radiocommunication Bureau (Documents 5, 19, 29)

4.1 The **Chairman** drew attention to proposals EUR/5/55 and AUS/19/21 as well as to § 3.3.1.1 of Document 29 submitted by New Zealand. As it was not clear whether those texts involved any substantive matters requiring action, he suggested that they should not be taken up by the Committee. He would hold discussions with the three delegations concerned and with the BR to determine whether there was a formal issue in need of attention by the Plenary.

4.2 It was so agreed.

5 Approval of summary records

5.1 The **Chairman** suggested, in accordance with normal practice, that he should approve the remaining summary records, and draw the Committee's attention to the procedure for submitting corrections.

5.2 It was so agreed.

6 Completion of the Committee's work

6.1 The **Chairman** thanked all those who had participated, in whatever capacity, in the Committee's work.

6.2 The **delegate of Turkey**, supported by the **delegate of the United Kingdom**, thanked the Chairman and Members of the ITU and BR Secretariats for the excellent job they had done in guiding the work of the Committee to a successful conclusion.

6.3 The **Chairman** declared closed the last meeting of Committee 5.

The meeting rose at 2150 hours.

The Secretary:
G. KOVACS

The Chairman:
G.F. JENKINSON

**WRC-95**WORLD
RADIOCOMMUNICATION
CONFERENCE**Document 318-E**
24 December 1995
Original: English/French

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING**MINUTES****OF THE****SIXTH PLENARY MEETING**

Tuesday, 14 November 1995, at 1440 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed	Documents
1 Report of Committee 2	254
2 Report of Committee 3	259
3 Oral reports by the Chairmen of Committees 4 and 5 and of the Working Group of the Plenary	–
4 Status of the Radio Regulations revised by WRC-95 (continued)	191
5 Licensing of global systems (continued)	193
6 Sixth series of texts submitted by the Editorial Committee for first reading (B.6)	264
7 Resolution [COM5-6]	221
8 Resolution [ZZZ]	243 + Corr.1
9 First series of texts submitted by the Editorial Committee for second reading (R.1)	234
10 Second series of texts submitted by the Editorial Committee for second reading (R.2)	265
11 Third series of texts submitted by the Editorial Committee for second reading (R.3)	266
12 Report of the Radiocommunication Assembly (Geneva, 1995) to the Conference	145
13 Implementation of Resolution 18 (Kyoto, 1994)	27 + Add.1, 49

1 Report of Committee 2 (Document 254)

1.1 The **Chairman of Committee 2**, introducing Document 254, said that since the second and last meeting of Committee 2, the following delegations attending the Conference had deposited their credentials: Brazil, Cape Verde, Cyprus, Djibouti, Hungary, Lebanon, Libya, Lithuania, Mexico, Moldova, Nigeria, Uzbekistan, Philippines, Democratic People's Republic of Korea and Sudan. They would be listed in a Corrigendum to Document 254. If the Plenary Meeting agreed, he would continue, with the assistance of his Vice-Chairman, to verify any credentials which might be deposited by delegations between the approval of the present report and the Final Acts signing ceremony.

1.2 The Report of Committee 2 (Document 254) was **approved**.

2 Report of Committee 3 (Document 259)

2.1 The **Chairman of Committee 3** introduced Document 259.

2.2 The **delegate of Saudi Arabia**, referring to Annex 3 (Note from the BR), asked the Radiocommunication Bureau to do all it could to ensure that no financial obstacles stood in the way of implementation of the measures entrusted to it by the Conference.

2.3 The **Director of the Radiocommunication Bureau** said that the Bureau would do everything possible to see that all the Conference's decisions were carried out. However, after stressing the Bureau's difficult budgetary situation, he drew participants' attention to paragraph 6.4 and Annex 3, § 3, in Document 259. The figures submitted were only approximate and provisional, and decisions which might have financial implications still had to be taken by the Conference. Referring to the provisions of Resolution 17 of the Kyoto Plenipotentiary Conference, which had already imposed a workload in excess of the resources made available, he said that in future priorities would have to be set and resources would have to be found from outside the budget.

2.4 The **delegate of Algeria**, reading out the second paragraph of Article 34 of the Convention (Geneva, 1992), which was reproduced in § 3 of the document under consideration, said that he was surprised by the sums necessary to apply the foreseeable decisions of the Conference, sums which had not been provided for in the budget. He was also surprised to read in Annex 3, § 3, of the backlog accumulated by the BR Space Services Department, and wondered whether the Conference had time to set priorities in the light of the ITU's limited resources. He accordingly drew participants' attention to the provisions which had been made for WRC-97, whose agenda seemed to him to be already overloaded. He was concerned at the speed with which decisions were taken without any attempt to find the resources necessary for their implementation. In conclusion, he requested that steps should be taken to determine the extent of the problem and that recommendations should be submitted to the Council on how to deal with it.

2.5 The **delegate of Morocco** said he did not doubt the Bureau's willingness to do its utmost to carry out the Conference's decisions, but was surprised at some of the figures given in the document under consideration. For example, in the table in Annex 3, for the activity "Review of AP 30/30A", a one-time cost of 1.2 million Swiss francs was shown. It would be recalled that a proposal by his delegation had not been adopted on the grounds that it would be too expensive, but it seemed to him that the figure quoted went well beyond what that proposal would have cost. In his view, the problem was twofold: on the one hand, some delegations which were not at all keen to see Appendices 30 and 30A amended had succeeded in reducing the related activity to a minimum, while on the other hand there were delegations which had asked for much more than was entailed by

his country's proposal. The Conference could not take over the Council's job of assessing the consequences of its decisions. He therefore proposed that the report of Committee 3 should simply be noted and that the Council should be asked to consider it and provide the Bureau with the necessary resources. He also asked the Bureau, when updating the table in Annex 3 for submission to the Council, to include an estimate of the savings that might be expected from simplification of the Radio Regulations. In conclusion, he expressed the view that the Bureau should review the timetable for application of the decisions taken by the Conference in the light of the date set for the simplified Radio Regulations to enter into force.

2.6 The **Chairman** said that Annex 3 had not been submitted to the Plenary Meeting for approval, but merely for information, and that any participants who were interested could obtain further information on the figures given from the Bureau.

2.7 The **delegate of Syria** requested that by the end of the Conference a new version of Annex 3 to the document under consideration should be prepared taking into account the financial implications of all the decisions that would by then have been adopted.

2.8 That request was **noted**.

2.9 The **delegate of Algeria** urged that the Council, when setting priorities, should take due account of the resources the Bureau would need in order to carry out all the activities entrusted to it by the Conference.

2.10 The **Chairman** proposed that the report of Committee 3 (Document 259) should be approved with the exception of Annex 3 and that the Secretariat should be asked to prepare a document for submission to the Council, including the comments that had been made.

2.11 It was so **agreed**.

3 Oral reports by the Chairmen of Committees 4 and 5 and of the Working Group of the Plenary

3.1 The **Chairman of Committee 4** said that Committee 4 had completed consideration of all the articles, appendices and annexes in Part C of the VGE Report. Forty-three articles out of a total of 58 had already been considered on first reading, but parts of the procedural articles S9, S11 and S13 were still controversial. Committee 4 had drafted a number of new resolutions and revised others. Regrettably, due to lack of time, some problems remained unresolved, and Committee 4 was awaiting contributions from elsewhere, particularly Committee 5. While consideration of a number of resolutions and appendices had been completed, the principle of continuing the work informally had been approved, and the corresponding texts could undoubtedly be submitted direct to the Plenary. It had unfortunately not been possible to consider some countries' proposals, a matter to which he would draw the Plenary's attention at the appropriate time. Finally, he referred to the reservations expressed by the delegation of Mexico concerning the proposal to delete Articles 67 and 68 of the Radio Regulations and said that he was now in a position to provide the precise references to the relevant texts.

3.2 The **delegate of Mexico** said that her Administration wished to maintain the reservations it had expressed until it had had an opportunity to consider the texts in question.

3.3 The fact that the delegation of Mexico maintained its reservations was **noted**.

3.4 The **Chairman of Committee 5** said that Committee 5 would hold its last meeting that evening, when among other things it would seek to deal with the important issue of access of

mobile-satellite services to the 2 GHz band and the date on which it would become effective. He also drew attention to two other problems left outstanding. Firstly, although Committee 5 and its competent working groups had spent a great deal of time on Resolution 208, it had not been possible to reconcile the differences of opinion as to whether the Resolution should be maintained or deleted; having asked the delegations participating to take a decision, not by means of a vote, but by raising their country name cards, he had found that the two proposals were supported by a more or less equal number of delegations; he was therefore obliged to submit the matter to the Plenary. Secondly, with regard to the allocation of frequency bands to MSS feeder links in the 20 - 30 GHz range, he pointed out that while the text had been approved, the precise frequency bands and the corresponding bandwidths had been left in square brackets; Committee 5 had decided at its previous meeting to submit the document in that form to the Editorial Committee with a view to placing it before the Plenary.

3.5 The **Chairman** said that while he was aware that Committee 5 was faced with awkward problems, he hoped that as far as possible the remaining difficulties would be settled in the Committee itself and not referred to the Plenary.

3.6 The **Chairman of the Working Group of the Plenary** said that the Working Group of the Plenary had completed its work. Having dealt with agenda items 3a), b) and c), the Group had approved a draft agenda for WRC-97 and a preliminary draft agenda for WRC-99. It had also drawn up a draft Resolution on the urgent studies to be undertaken by ITU-R in preparation for WRC-97. Later in the meeting, the Plenary would be giving a first reading to Document 264, containing two draft resolutions drawn up by the Working Group of the Plenary, on Appendices 30 and 30A and on HF broadcasting, respectively. As far as the first was concerned, the delegations of Morocco and Syria had reserved the right to return to certain problems which had not been resolved to their satisfaction; both of them had in particular expressed objections to the use of steerable antennas in broadcasting-satellite services and their inclusion in the BSS exercises, since the need to use antennas of that type did not seem to them to be sufficiently justified. With regard to the second draft Resolution, two administrations had submitted reservations to him in writing, in particular with regard to *resolves* 1 in the draft, which seemed to them to be contrary to the spirit of *resolves* 2 in Resolution 20 of the Kyoto Plenipotentiary Conference; those two reservations would be annexed to his report.

3.7 The **delegate of Algeria** said that at the last meeting of the Working Group of the Plenary he had entered express reservations concerning the draft agenda approved for WRC-97.

3.8 The **Chairman** took note of the reservations of the Algerian delegation, adding that the delegate of Algeria would be able to state them again when the relevant document was taken up.

4 Status of the Radio Regulations revised by WRC-95 (continued) (Document 191)

4.1 The **Secretary-General** introduced draft Resolution [PL/XXX] contained in the Annex to Document 191. Observing that he had been asked at the second Plenary Meeting to try to find a solution to the problem of the provisional application of the revised Radio Regulations, he said that the draft Resolution under consideration was the result of a consensus among the delegations involved in drafting it. It had emerged from the discussions that provisional application of the Radio Regulations would be possible and legally correct. Under Article 54 of the Constitution, the Conference was authorized to set a date or dates for the provisional application of the revised Radio Regulations. The Article did not require signatory Members to inform other Members if their

domestic law did not authorize them to apply the revised Radio Regulations provisionally; *resolves to invite Members of the Union 2* was designed to meet the concerns of delegations who were afraid that there would be legal uncertainty about the application of the Regulations. Finally, Members of the Union were invited to propose to the next Plenipotentiary Conference appropriate amendments to the relevant provisions of the Constitution. The question of the actual date or dates for the entry into force of the revised Regulations did not fall within the terms of reference given by the Plenary and would be dealt with at a later stage in the Conference.

4.2 The **delegate of Morocco**, speaking on behalf of all the countries which had made proposals to the Conference on the status of the revised Radio Regulations, welcomed the result that had been achieved with the aid of the Secretary-General. He hoped that the next Plenipotentiary Conference would review the relevant provisions of the Constitution. The date or dates for the entry into force of the revised Regulations would partly depend on the work of Committee 4 and could indeed be decided after the draft Resolution had been adopted.

4.3 The **delegate of Spain** supported the draft Resolution subject to two editorial amendments to *resolves to invite Members of the Union 1*.

4.4 The **Secretary-General**, replying to a question from the **delegate of Indonesia**, said that for a proper understanding of *resolves to invite Members of the Union 2*, reference should be made not only to No. 222 of the Constitution, but also to No. 221. Replying to the **delegate of Jordan**, who asked why, in the draft Resolution, the Secretary-General was instructed to inform the next WRC of the Members' responses, he explained that the situation created by simplification of the Radio Regulations was exceptional and complex; the instruction in question was designed to ensure the transparency of the procedure and to guarantee that the next WRC would have all the necessary information so that it could, if it saw fit, submit other recommendations to the 1998 Plenipotentiary Conference.

4.5 The **delegates of Mexico** and **Syria** supported the draft Resolution. The **delegates of Greece** and **Russia** having made comments, the **Chairman** said that at the present stage of its work the Plenary could no longer go into the details of the text. He therefore proposed that the draft Resolution should be approved, on the understanding that it would be considered again as a blue document.

4.6 Draft Resolution [PL/XXX] in the Annex to Document 191, as amended, was **approved**.

5 Licensing of global systems (continued) (Document 193)

5.1 The **delegate of the United Kingdom** said that the draft Resolution in Document 193 had been finalized by a small drafting group consisting of 16 countries and Inmarsat on the basis of a text submitted by a number of delegations (Document 35), which had been approved in principle at the second Plenary Meeting.

5.2 The **delegate of the United Arab Emirates** having raised substantive issues, the **Chairman** said that they could not be admitted at the present stage given that the United Arab Emirates' view had been conveyed to the Drafting Group by the delegate of Syria and had not been accepted.

5.3 The draft Resolution in Document 193 was **approved** with the replacement of the words "Article 24" in the *resolves* by "Articles 23 and 24".

6 Sixth series of texts submitted by the Editorial Committee for first reading (B.6)
(Document 264)

Article S21

6.1 Following an exchange of views on (MOD) S21.2.3, in which the **delegate of Syria**, the **Chairman of the Working Group of the Plenary** and the **Chairman of Committee 4** took part, the **delegate of Morocco**, supported by the **delegate of Sweden**, proposed that the provision should be deleted.

6.2 It was so agreed.

6.3 The **Chairman of Working Group 4A**, supported by the **delegate of Morocco**, proposed that No. S21.2.4 should be amended as follows: the first sentence would end after the words "fixed or mobile service" and a second sentence would be added reading "This matter is being studied in ITU-R".

6.4 It was so agreed.

6.5 The **delegate of Syria** proposed that the second sentence of MOD S21.7 should be deleted as being pointless now that Recommendation 100, to which it referred, had been amended and no longer dealt with the same subject. Following a remark by the **delegate of Algeria** to the effect that the first sentence of the provision was inconsistent, the **Chairman of Committee 6** said that her Committee would improve the text.

6.6 The **delegate of Sweden** proposed that MOD S21.16.2 should be deleted since it merely referred to (MOD) S21.16.1. The note in Table [AR28] referring to No. S21.16.2 should also be amended to refer to No. S21.16.1. The **Chairman** asked the Editorial Committee to take due account of that proposal.

6.7 Following an exchange of views on (MOD) S21.16.4, in which the **delegate of Syria**, the **Chairman of Committee 4** and the **delegate of Morocco** took part, the **delegate of Syria**, supported by the **Chairman of Working Group 4A**, proposed that the second part of the sentence beginning with the words "at which time all systems" should be replaced by the words "and until such time as modified by a competent world radiocommunication conference".

6.8 It was so agreed.

6.9 The **delegate of Morocco** requested that the texts of ADD S21.16.6 and ADD S21.16.7 should be harmonized. The **Chairman of Committee 4** supported that proposal and the **Chairman of Working Group 4A** suggested that in those two provisions the references to WRC-97 should be replaced by references to a future WRC. The **Chairman** said that the texts of the two provisions would be revised by the Editorial Committee.

6.10 The **delegate of Greece** having proposed adding at the end of (MOD) S21.17 the phrase "The agreement shall be communicated to ITU-R", the **Chairman of Committee 4** urged that the discussion should not be reopened on formulations corresponding to texts in the Radio Regulations - accepted thus far without comment - and said that Committee 4 had taken all proposals by the VGE and administrations into account in its work. The **Chairman** supported that comment and requested that all editorial amendments should be referred to the Editorial Committee.

6.11 Article S21, as amended, was **approved**.

SUP Resolution 112

6.12 Approved.

NOC Resolution 113

6.13 Approved.

Resolution GT PLEN-1

6.14 The **delegate of Morocco** said that the Chairman of the Working Group of the Plenary had, in his oral report, referred to the reservations that had been expressed with regard to certain aspects relating to item 3 of the agenda of the Conference. When that item had been proposed in 1993, the intention had been to develop a new plan which would make it possible for a country, whatever its level of development, to launch an economically viable satellite. Unfortunately, in spite of the efforts deployed by the Moroccan Administration, the work of the Conference had resulted in the maintenance of the status quo, which consisted in allocating a minimum of five channels to each country, thereby preventing Morocco from launching an economically viable satellite. The Moroccan Administration had had to go along with the opinion of the majority, but wished to make it clear that it did not accept the prevailing policy of regarding the plan as a *fait accompli*. Consequently, it reserved its position until WRC-97.

6.15 The **delegate of Algeria** said that the Annex to Resolution GT PLEN-1 raised matters of substance which had not been resolved during the discussions. For instance, in § 5.3.1, WRC-95 instructed the RRB to modify the Rules of Procedure for No. 2674 for Regions 1 and 3, although to his knowledge there was not a single Conference resolution or recommendation to that effect. He also expressed reservations with regard to § 2.3 and the whole of section 4. The Algerian Administration reserved its position with regard to Appendices 30 and 30A in general, pending a final decision on the matter by the 1997 Conference.

6.16 The **delegate of Syria** associated himself with the reservations expressed by the delegates of Morocco and Algeria. The **delegates of Saudi Arabia, Kuwait, Jordan, Egypt and Pakistan** supported the reservations expressed by the delegate of Morocco.

6.17 The **delegate of the United Kingdom** wished at that stage to draw attention to the fact that Resolution GT PLEN-1 was the fruit of over three weeks of discussions, efforts and compromise on the part of all delegations.

6.18 In response to a request by the **delegate of Greece**, the **Chairman** proposed that examination of the text be resumed at a later stage.

6.19 It was so **agreed**.

Resolution GT PLEN-2

6.20 The **delegate of Senegal** made the following statement:

"With regard to Document 207, the Administration of Senegal has reservations on the following points (the related proposals, contained in Document 104, were supported by 11 countries):

- 1) the convening of a conference for the planning of HFBC bands, since we consider that APP-92 does not exclude the holding of such a conference;
- 2) the inconsistency between *resolves* 1 of draft Resolution [GT PLEN-AA] and Resolution 20 of the Plenipotentiary Conference (Kyoto, 1994);

- 3) the maintenance of 31 December 2015 as the date for the discontinuance of DSB emissions;
- 4) the maintenance of 2007 as the date of entry into force of HF bands allocated by WARC-92."

6.21 The Chairman of the Working Group of the Plenary recalled that he had mentioned, during his oral report, that two delegations, those of Senegal and Argentina, had difficulty in accepting *resolves* 1, and that the text of their reservations would appear in annex to his report.

6.22 With the above reservations, Resolution GT PLEN-2 was **approved** subject to an editorial amendment in *resolves* 2.

Resolution COM5-1

6.23 The Chairman of Committee 5 said that the square brackets around the frequency bands referred to in the title and the body of the Resolution would only be deleted once Committee 5 had reached an agreement concerning the bandwidth to be allocated to feeder links. For the time being, most of the European countries had expressed a preference for a 200 MHz bandwidth and the other countries for a 400 MHz bandwidth. The bandwidth mentioned in the Resolution was 500 MHz, in other words wider than those proposed.

6.24 The delegate of Israel remarked that *resolves to instruct ITU-R* 1 referred to earth stations operating bidirectionally, which, in his view, was not the case. **The Chairman of Committee 5** recalled that the text in question was a compromise text achieved after lengthy discussions, and that the bands were used in both directions, a view which was shared by the **delegates of Turkey** and the **United Arab Emirates**.

6.25 Resolution COM5-1 was **approved** subject to the maintenance of the square brackets around all references to the 19.2 - 19.7 GHz band.

Resolution COM5-2

6.26 The Chairman of Committee 5 said that the reference to No. S22.5A in square brackets would be retained until the Final Acts were published.

6.27 The Chairman of Committee 6 read out a number of editorial amendments to the French text.

6.28 Resolution COM5-2 was **approved** subject to those amendments.

Resolution COM5-3

6.29 **Approved.**

Resolution COM5-4

6.30 The Chairman of Committee 5 recalled that the references to No. 865A would remain in square brackets until the Final Acts were published.

6.31 Resolution COM5-4 was **approved** subject to an editorial amendment to *considering* b) in the French version.

Resolution COM5-5

6.32 The Chairman of Committee 5 said that, in addition to the reference to No. S9.11bis in *considering* b), it was necessary to include a reference to Resolution 46.

6.33 Resolution COM5-5, thus amended, was **approved**.

Recommendation GT PLEN-A

6.34 The **delegate of Morocco** said that since it had been decided to defer the examination of Resolution GT PLEN-1, it would be wise to defer the examination of Recommendation GT PLEN-A as well, since it too concerned the revision of Appendices 30 and 30A.

6.35 It was so **agreed**.

Recommendation COM5-B

6.36 **Approved**.

6.37 The sixth series of texts submitted by the Editorial Committee (B.6) (Document 264), as amended, was **approved** as a whole on first reading, with the exception of Resolution GT PLEN-1 and Recommendation GT PLEN-A.

7 Resolution COM5-6 (Document 221)

7.1 The **Chairman** was surprised that the document of a working group should be submitted direct to the Plenary. The **Chairmen of Committee 5**, while recognizing that it was unusual to proceed in that manner, explained that the Resolution under consideration, based on Brazilian proposal B/17/166, had been drawn up by ad hoc Group 5B1 and submitted to Working Group 5B, which had been unable to examine it. As he had had doubts as to the competence of Committee 5 on the subject at issue, he had preferred to submit the text to the Plenary.

7.2 The **delegate of Brazil**, after pointing out an number of editorial amendments, stressed that the work of ITU-R Study Groups 7, 8, 9 and 10 would be taken into account in defining the appropriate principles to ensure the most efficient possible use of the spectrum between 1 - 3 GHz, and that the financial implications of the activities of the proposed interim group of experts would be minimal, since it would work mainly by correspondence or with the aid of modern means of communication, applying to its activities the same principles as those that were applied by task groups. His delegation had considered that since several ITU-R Study Groups had examined inter-service sharing issues, it would be useful to have guidelines from a group made up of experts from those Study Groups.

7.3 The **delegate of Sweden** was against approval of the Resolution, since the matter was an extremely complex one. Moreover, establishment of the proposed group would not be in conformity with the provisions of the Convention relating to the work of ITU-R and the Radiocommunication Assembly.

7.4 The **delegate of New Zealand** shared the point of view of the Chairman of Committee 5 regarding the competence of Committee 5 in that respect, pointing out that the creation of the VGE had been decided at a Plenipotentiary Conference. Moreover, he noted that according to estimates by the Bureau, establishment of the group would cost some 250 000 Swiss francs, not to mention the costs incurred by the administrations. It would be wiser to deal with the subject in the framework of a Question entrusted to an ITU-R study group. He was supported by the **delegates of Finland, Germany, Australia and Japan**.

7.5 The **delegate of Mexico** said that the use of frequency bands between 1 and 3 GHz was a matter which, in view of its importance, must be analysed as a matter of great urgency, and stressed that the financial consequences of creating such a group were minimal. He was in favour of Resolution COM5-6. He was supported by the **delegate of the United States**, who acknowledged the merits of the Brazilian proposal, and by the **delegates of Syria, Argentina and Indonesia**.

7.6 The **Chairman**, observing that there was no majority either for or against Resolution COM5-6 but that no delegation had opposed the idea of conducting studies in that area, proposed that the Plenary should, without approving the Resolution itself, approve the underlying principle which, in view of its urgent nature, would be examined by ITU-R.

7.7 It was so agreed.

8 Resolution [ZZZ] (Document 243 and Corrigendum 1)

8.1 The **delegate of France** said that the purpose of the Resolution was to ensure protection of the oxygen absorption band. The numerous inter-satellite links in the band were widely considered to be incompatible with the operation of meteorological passive sensors. The Resolution therefore proposed that administrations should stop implementing inter-satellite systems in the band in question, which was a resource shared by all mankind, pending the designation by WRC-97 of new bands for those systems.

8.2 Resolution [ZZZ] as contained in Document 243 and its Corrigendum was **approved**, subject to a number of editorial amendments proposed by the **delegate of the United States**.

9 First series of texts submitted by the Editorial Committee for second reading (R.1) (Document 234)

9.1 The **Chairman of Committee 6** proposed that consideration of the explanatory note at the beginning of Document 234 be deferred to a subsequent meeting, as the Editorial Committee wished to refine it further.

9.2 It was so agreed.

Articles S0, S1 and S2

9.3 **Approved.**

Article S3

9.4 The **Chairman of Committee 4** proposed certain editorial amendments to MOD S3.5, MOD S3.6 and MOD S3.7, adding that the square brackets in MOD S3.7 should be deleted.

9.5 The **delegate of Morocco** proposed that in the fourth line of MOD S3.7, the word "shall" should be replaced by "should". The **delegate of Germany**, supported by the **Chairman of Committee 4**, saw no need for that amendment, as "shall" was followed by the phrase "to the maximum extent possible". The **delegate of Morocco**, supported by the **delegate of Syria**, said that his proposed amendment was in line with the principles adopted by the Conference with regard to incorporation by reference.

9.6 The proposal by the delegate of Morocco was **approved**.

9.7 Article S3, as amended, was **approved**.

Article S6

9.8 **Approved**.

Article S15

9.9 **Approved**, leaving (MOD) S15.43 in square brackets until the Conference had considered Article S9.

Article S16

9.10 **Approved**, subject to the replacement of "Recommendation ITU-R [1C/XA]" by "Recommendation ITU-R SM.1138" in MOD S16.2 and MOD S16.6.

Articles S17 and S18

9.11 **Approved**.

Resolution COM4-1

9.12 The **Chairman of Committee 4** recalled that at a previous meeting, the delegate of Morocco had proposed the following wording for *resolves* 3b): "b) to protect the relevant allocations in the frame of the Table and in other footnotes in accordance with Section II of Article S5".

9.13 That proposal was **approved**.

9.14 Resolution COM4-1, as amended, was **approved**.

Recommendation COM4-A

9.15 **Approved**.

9.16 The first series of texts submitted by the Editorial Committee (R.1) (Document 234), as amended, was **approved** as a whole on second reading, with the exception of the Editorial Committee's explanatory note.

10 **Second series of texts submitted by the Editorial Committee for second reading (R.2) (Document 265)**

Articles S4 and S7

10.1 **Approved**.

Articles S10 and S10A

10.2 The **Chairman of Committee 4** proposed that consideration of those Articles be deferred until Recommendation COM4-B had been considered.

10.3 It was so **agreed**.

Article S11

10.4 The **Chairman of Committee 4** proposed that consideration of that Article be deferred until Article S9 had been considered.

10.5 It was so **agreed**.

Articles S12 and S12A

10.6 **Approved**.

Article S19

10.7 The **Chairman of Committee 4** said that the square brackets at the end of (MOD) S19.35 should be replaced by ordinary brackets and that the same reference, namely "(see Resolution COM4-4)", should be added at the end of (MOD) S19.99.

10.8 Article S19, as amended, was **approved**.

Articles S20 and S25

10.9 **Approved**.

Appendix S25

10.10 The **Chairman of Committee 4** said that the whole of that text was in square brackets because it was linked to other provisions the consideration of which had been deferred. He proposed that consideration of Appendix S25 should therefore also be deferred.

10.11 It was so **agreed**.

Appendix S42

10.12 **Approved**.

Resolution 712 (Rev.WRC-95)

10.13 **Approved**.

Resolution COM4-2

10.14 **Approved**.

Resolution COM4-4

10.15 The **Chairman of Committee 4**, providing clarification at the request of the **delegate of Saudi Arabia**, explained that in the many cases in which a Resolution referred to a provision of the Radio Regulations, the reference contained both the former number and the new one, the latter being that of the simplified Regulations. For a new regulatory text, therefore, only the new number appeared, as all procedures were to enter into force at the same time. With regard to Resolution COM4-4 and its Annex, two provisions contained in the text might perhaps require review, and its consideration should therefore be deferred.

10.16 It was so **agreed**.

10.17 The second series of texts submitted by the Editorial Committee (R.2) (Document 265), as amended, was **approved** as whole on second reading, with the exception of Articles S10, S10A and S11, Appendix S25 and Resolution COM4-4.

**11 Third series of texts submitted by the Editorial Committee for second reading (R.3)
(Document 266)**

Articles S30 to S38

11.1 Approved.

Article S39

11.2 Further to a comment by the **delegate of Spain**, the **Chairman of Committee 4** said, with regard to ADD S39.8, that the wording submitted to the Plenary Meeting for first reading should be reverted to; thus, the words "the inspectors of governments or appropriate administrations of countries" should be replaced by "the inspection service".

11.3 Article S39, as amended, was **approved**.

Articles S40 and S41

11.4 Approved.

Article S42

11.5 Further to a comment by the **delegate of Sweden**, the **Chairman of Committee 4** said that the intention in ADD S42.4 was to reproduce the text of RR 3603, which referred to other provisions of the existing Regulations. Those references should therefore be updated, RR 36 and RR 2665 becoming Nos. S1.38 and S23.2, respectively.

11.6 Article S42, as amended, was **approved**.

Articles S43 to S48

11.7 Approved.

Article S49

11.8 The **delegate of Spain** recalled that the amendment made to ADD S39.8 should also be made to ADD S49.8.

11.9 Article S49, as amended, was **approved**.

Article S50

11.10 Approved.

Article S51

11.11 The **Chairman of Committee 4** said that RR 4103, the text of which was to be reproduced in ADD S51.5A, contained the same references as RR 3603, reproduced in ADD S42.4. Those references should be therefore updated in the same way.

11.12 Article S51, as amended, was **approved**.

Article S52

11.13 The **Chairman of Committee 4** said that the reference in parentheses at the end of MOD S52.83 should be replaced by: "see Appendix S2".

11.14 Article S52, as amended, was **approved**.

Articles S53 to S57

11.15 **Approved**.

Resolution COM4-3

11.16 The **Chairman of Committee 4** said that *considering e)* should remain in square brackets until the Plenary had decided whether that item would be included in the agenda of WRC-97.

11.17 Resolution COM4-3 was **approved**.

Recommendation 100 (Rev.WRC-95)

11.18 **Approved**.

Recommendation COM5-A

11.19 The **Chairman of Committee 6** having pointed out that *considering a)* had been redrafted by Committee 5 and should therefore be considered on first reading, the **Chairman of Committee 5** said that the redrafting had been purely editorial, to distinguish the band which the radio astronomy service shared with the mobile-satellite service from the band which it shared with the land mobile-satellite service.

11.20 Recommendation COM5-A was **approved**.

11.21 The third series of texts submitted by the Editorial Committee (R.3) (Document 266), as amended, was **approved** as a whole on second reading.

The meeting was suspended at 2015 hours and resumed at 2210 hours.

12 Report of the Radiocommunication Assembly (Geneva, 1995) to the Conference (Document 145)

12.1 The **Director of the Radiocommunication Bureau** introduced Document 145 which presented the list of ITU-R Recommendations in force after the Radiocommunication Assembly.

12.2 The **Chairman** congratulated the Chairman of the Assembly on the success of that meeting.

12.3 Document 145 was **noted**.

13 Implementation of Resolution 18 (Kyoto, 1994) (Documents 27 and Addendum 1, 49)

13.1 The **Director of the Radiocommunication Bureau** introduced Document 27 and its Addendum. Satellite coordination and planning was at the core of the ITU's work and the Kyoto

Plenipotentiary Conference had highlighted certain shortcomings. After considerable discussion at Kyoto it had been decided, in Resolution 18, to conduct a review of the frequency coordination and planning framework. The Resolution instructed him to hold consultations with the Radiocommunication Advisory Group (RAG) and to take into account inputs from the Radio Regulations Board (RRB) and the work of the Radiocommunication Sector. Work was already under way, and his final report would be submitted to WRC-97. Resolution 18 also called on the Secretary-General to encourage the participation of all interested parties, including satellite-system operators. There were two major aspects to the matter, namely, the issues to be studied in the review and the work plan to be pursued. Document 27 gave details on the issues which had already been identified and confirmed by the RAG at its September 1995 meeting. While the handling of tasks for the Study Groups was fairly straightforward, the way of tackling the policy and regulatory issues associated with the review was less clear. It had been suggested in Kyoto that meetings should be held in the three Regions to allow a useful exchange of information between satellite-system operators, Member administrations and the staff of the Union. Most of the work involved in the review was scheduled to be carried out in 1996 and early 1997. Addendum 1 to Document 27 provided a brief update reflecting the decisions taken and developments at the 1995 Radiocommunication Assembly (RA). The Plenary might wish to consider the report, offer guidance on how the review should be conducted, particularly with reference to the regulatory and policy issues, and approve or suggest changes to the proposed work plan.

13.2 The **Chairman** invited the meeting to consider the document, while noting that it was an interim report and that work on various aspects was continuing.

13.3 The **delegate of Saudi Arabia** said that Document 27 dealt with issues of paramount importance. Referring to Addendum 1, he suggested that the appropriate place for the review and study of policy and regulatory issues was the Special Committee set up by RA-95. The **delegate of Syria** agreed that the Special Committee was the most appropriate body to perform that task; however there was no reason why the RAG should not also study the related problems and provide the Bureau with advice.

13.4 The **delegate of Malaysia** introduced Document 49, commenting on each of the seven proposals it contained (MLA/49/1 - 7) for solution of the satellite frequency coordination problems raised at the Kyoto Plenipotentiary Conference.

13.5 The **Chairman** acknowledged the importance of the Malaysian proposals and suggested that they should be referred by the Director to whatever bodies in the ITU-R Sector were designated to handle such matters.

13.6 It was so agreed.

13.7 The **delegate of India** looked forward, with cautious optimism, to the review of the ITU's frequency coordination and planning framework under Resolution 18. The review would have far-reaching consequences on the satellite-system coordination framework for the 21st century. His Administration commended the Director of the BR for organizing a preliminary review through the RAG and its Working Group. Their reports had identified the basic guidelines for further work and had effectively focused on the diversity and complexity of the issues at stake. The nine elected members of the RRB should be effectively involved in the exercise and their activities should not be restricted to purely regulatory functions such as the consideration of the Rules of Procedure. Reliance should not be placed solely on the traditional ITU approach of basing the regulatory framework on technical parameters and standards. The Malaysian proposals appropriately addressed the problematical aspects of coordination and his delegation fully supported that document. New

approaches to financial and policy matters would have to be developed and presented both to WRC-97 for decisions within its purview and, if required, to the Plenipotentiary Conference in 1998. His delegation endorsed the Director of the BR's conclusion that the review exercise should be much broader and more complex than originally envisaged at the Kyoto Conference. It also endorsed the proposed work plan and considered that the most appropriate forum for further action would be the Special Committee, which would enjoy wider participation, the appropriate official status and interaction with study groups.

13.8 The delegate of Morocco said that he fully understood the difficulty and complexity of the task facing the Director of the BR. In recent months the ITU membership had become more and more concerned about global systems. The difficulties encountered in discussing non-GSO systems and in dealing with the revision of Appendix 30 demonstrated that the ITU needed to frame a new policy for regulating space radiocommunications. Negotiations had already begun to produce results, but the problem of ITU policy and the choice of a forum in which to study the related issues still remained. The Conference had to find the right tool to enable operators of satellite systems, administrations, industry and regulators to address the problems. The document submitted by Malaysia highlighted only some aspects of the issues at stake. He agreed with the delegate of India on the importance of input from the RRB, and joined with those speakers who had expressed the view that the Special Committee for regulatory/procedural matters was the best focal point.

13.9 The delegate of Russia said that, given the importance and the political, administrative, economic and international legal implications of the matter addressed by Resolution 18, it should be handled by a separate body rather than by the Special Committee, which already had a heavy workload. The recent RA had specifically agreed not to advise that the Special Committee should take up Resolution 18.

13.10 The **delegate of Canada**, speaking as Chairman of Committee 4 of RA-95, said that the establishment of the Special Committee had been discussed at considerable length and, following informal discussions, clear agreement had been reached to the effect that Resolution 18 and matters related to the VGE Report should be excluded from its terms of reference. The relevant summary records nevertheless made it clear that the Special Committee's mandate could be reviewed by the present Conference. Resolution 18 itself was quite explicit on the potential sources to be taken into account by the Director for the purpose of his review, including the Working Party of the CPM and the ITU-R Study Groups; on the need, when identifying the tasks required for the review, to bear in mind other relevant work in the ITU-R Sector, with a view to making savings; and on the fact that a final report on the review had to be submitted to WRC-97. In reply to the **delegate of Morocco**, who sought confirmation that Resolution 18 had been excluded from the Special Committee's terms of reference solely in order not to prejudge any decision of WRC-95, he said that the Assembly's intention had been to allow the WRC to review those terms of reference if it saw fit; however, the compromise reached on that occasion had been based on the exclusion of Resolution 18 from the Special Committee's mandate.

13.11 The **delegate of Australia** welcomed the Director's report, which comprehensively identified the numerous elements to be taken into account in the review and placed due emphasis on the extent and complexity of the work involved. Much had already been achieved by the RAG and its Working Group, and a number of tasks had been allocated to various components of the ITU-R Sector; the document set out a work plan proposing tasks for the Study Groups and the RRB; and there would certainly be work for some kind of policy body to do. There was considerable support for the idea that the Resolution 18 studies should be assigned to a special body. As the nature and volume of the work to be undertaken by the Special Committee were such that it could not

reasonably be expected to take on Resolution 18 as well, a special body should be established for the purpose, preferably as part of the RAG.

13.12 The **delegate of the United States**, endorsing the comments by the delegate of Canada, said it was his understanding that two options existed for the Resolution 18 studies: the new Special Committee set up as part of the ITU-R, or a working group of the RAG. His country favoured the second option; indeed, such a working group would enjoy a close working relationship with the ITU-R and its Study Groups, ensuring efficiency for the Sector and its members, and would provide the most direct means of communication with the Director, who was responsible for the Resolution 18 review. The Special Committee, on the other hand, reported to the CPM, which provided neither direct advice to the Director, nor input on ongoing technical work within the ITU-R; furthermore, the terms of reference constituted a delicate compromise based on exclusion of the Resolution 18 studies.

13.13 The **delegate of Senegal**, stressing that Resolution 18 addressed matters of considerable importance to the developing countries, said that as the work already carried out by the Working Group of the RAG had not yet been assessed comprehensively, it should be continued under the same type of arrangement.

13.14 The **Chairman of the 1995 Radiocommunication Assembly** said that Addendum 1 to Document 27 accurately reflected the decisions of the Assembly. Opinions had been very divided on how Resolution 18 matters should be studied, the basic understanding being that the Assembly should not prejudge the WRC's decision and that the studies in question should not specifically form part of the Special Committee's terms of reference. The compromise resulting in the establishment of the Special Committee had been reached on that basis.

13.15 The **delegate of the United Kingdom** regretted that since the Kyoto Plenipotentiary Conference, rather more had been said than done in respect of the Resolution 18 studies. As stated in § 3.2.2 of Document 27, contributions to the review were expected from the Study Groups, the RRB and the Bureau as well as from a group covering policy-type questions and some regulatory issues (§ 3.2.2c)). The Special Committee met the requirements of such a group, at least in so far as regulatory issues were concerned; it would be open to all members of the ITU-R, and its conclusions and advice on Resolution 18 could be submitted directly to the Director. The Working Group of the RAG no longer existed, but the RAG itself would be able to provide advice on the review, and the Director should also take account of discussions at, and any relevant output from, the World Telecommunication Policy Forum scheduled for 1996. A compromise solution would therefore be for contributions to be submitted to the Director by all the bodies thus identified: ITU-R Study Groups, Special Committee, Bureau, RRB, RAG and next year's Policy Forum on GMPCS.

13.16 The **delegate of Germany**, while agreeing that the Director should receive advice from the broadest possible range of sources, said that policy issues, a number of which were identified in the Director's excellent report, should be given the highest priority in the Resolution 18 studies. However, such issues went beyond the terms of reference of both the Study Groups and the Special Committee, and the most suitable forum for the studies would therefore be the RAG, or a working group thereof.

13.17 The **delegate of Morocco** questioned the reasons given by previous speakers for the exclusion of Resolution 18 work from the Special Committee's terms of reference, pointing out that there was nothing in Resolution 3 (Geneva, 1992), which established the advisory groups, to indicate that policy issues came within their purview. The RAG had played a useful role in the

coordination of ITU-R activities and the management of some of them, but it was not an ITU-R management unit as such. The compromise solution proposed by the United Kingdom might therefore constitute the best way forward.

13.18 The **delegate of Syria** drew attention to the importance of the World Telecommunication Policy Forum and agreed that its output should be taken into account for purposes of the Resolution 18 review. He fully supported the United Kingdom's compromise solution.

13.19 The **delegate of Cuba** said that the matter was of considerable interest to the developing countries, whose participation in the increasingly complex and numerous activities of the ITU-R Sector should be facilitated by every means possible. A basic objective of the Special Committee set up by the RA should be to provide a forum in which experts on regulatory and policy issues from the developing countries would have the opportunity to study highly important matters such as those relating to Resolution 18, an opportunity of which they would probably be deprived if the studies concerned were spread among other bodies. He too saw much merit in the United Kingdom's proposed compromise.

13.20 The **delegate of France** said that some of the work required under Resolution 18 must inevitably pass through the Special Committee as part of the preparations for WRC-97. The present Conference should therefore not exclude Resolution 18 from the Special Committee's terms of reference. However, the RAG's role was to provide the Director with advice, including on the review for which he was responsible. Both bodies should therefore be involved in the Resolution 18 studies.

13.21 The **delegate of Brazil** having urged delegates to accept the United Kingdom's compromise proposal, the **Chairman** said that if he heard no objection he would take it that that proposal was acceptable to the meeting.

13.22 It was so **agreed**.

13.23 The **delegate of Papua New Guinea** said that his Administration, which was unable to participate in the RAG, applauded the decision just taken. The **delegate of Japan** suggested that the bodies to which the Resolution 18 studies had been entrusted should coordinate their work programmes and meeting schedules in order to facilitate participation by all countries, including those furthest from Geneva. The **delegate of Syria** said that the Chairmen of all those bodies should be encouraged to consult one another with a view to coordinating their work on Resolution 18.

13.24 The **Chairman** observed that participation in all the bodies concerned, except the RRB, was open to all administrations. It would be up to the Director to coordinate the meeting schedule as far as possible. He was optimistic that positive results would be achieved as a result of contributions from all if he heard no objection he would take it that the work plan contained in § 4 of Document 27 was acceptable to the meeting.

13.25 It was so **agreed**.

The meeting rose at 2340 hours.

The Secretary-General:
Pekka TARJANNE

The Chairman:
S. AL-BASHEER



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

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GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

SEVENTH PLENARY MEETING

Wednesday, 15 November 1995, at 0940 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed

Documents

1	Second series of texts submitted by the Editorial Committee for first reading (B.2) (continued)	209 + Corr.1 and 2
2	Additional frequency allocations	68(Add.2)
3	Note by the Chairman of the VGE	253
4	Seventh series of texts submitted by the Editorial Committee for first reading (B.7)	283

**1 Second series of texts submitted by the Editorial Committee for first reading (B.2)
(continued) (Documents 209 and Corr.1 and 2)**

Appendix S25

1.1 The **Chairman** invited comments on Appendix S25 as contained in Corrigendum 2 to Document 209.

1.2 The **Chairman of Committee 4**, said that the text contained in Corrigendum 2 to Document 209 was the proposed Appendix S25, which embodied the existing Article 16, editorially updated but with no amendments of substance; attached to it, if it was adopted, would be the allotment plan of the current Appendix 25 of the Radio Regulations. He drew attention to a number of editorial amendments: in No. S25.4 "S4" should be placed within square brackets; in No. S25.11.1 "IFRB" should be deleted; and in No. S25.19 "S25.11.2" should read "S25.11.3".

1.3 Appendix S25 was **approved**.

Recommendation COM4-B

1.4 The **Chairman** invited the meeting to resume consideration of Recommendation COM 4-B and its Annex, as set out in Document 209.

1.5 The **Chairman of Committee 4** said that Committee 4 had deemed the text of Recommendation COM 4-B consistent with the text of Appendix S25 in Corrigendum 2 to Document 209. Nevertheless, to meet concerns voiced in the Plenary about a number of references to Appendices 30 and 30A, he and the Chairman of the Working Group of the Plenary had agreed to suggest the following amendments of substance: in *noting a*), the words "world plans of" should be deleted; *noting c*) and *noting e*) should be deleted entirely; in *noting i*), the word "should" was to be replaced by "could", and "the world plans of" should be deleted; and the entire texts of *further noting* and *requests ITU-R* should be deleted. He reminded the meeting that the purpose of Recommendation COM 4-B was to preserve the text of the modified Article S10 of the VGE Report so that it could be considered by a future conference. The Recommendation did not insert the procedures of the modified Article in any part of the Radio Regulations or impose those procedures on administrations. Replying to a question by the **delegate of the United Kingdom**, he confirmed that the lettering of the subparagraphs of *noting* would be adjusted. In reply to an observation by the **delegate of Syria**, he said that the text of *recommends* would be amended editorially in the light of the deletion of *requests ITU-R*. In his view, references to the VGE Report were useful; but if it was felt preferable to dispense with them, that could be done by means of editorial amendments.

1.6 Following a suggestion by the **Chairman**, it was **agreed** to hold informal consultations to consider any necessary editorial amendments.

1.7 The **Chairman of Committee 4**, referring to Corrigendum 1 to Document 209, said that Article S10 should be deleted. Furthermore, the text relating to Article S10A could now be dispensed with, that Article no longer existing since the text of the former Article 16 had been incorporated in the simplified Radio Regulations in its place.

1.8 The **delegate of Israel** said that, with the deletion of Article S10, subparagraph a) of *considering in particular* should be amended. The **Chairman of Committee 4** said that he thought it preferable to retain that text.

1.9 The **delegate of Germany** observed that the meeting had not yet considered the Annex to Recommendation COM 4-B.

1.10 The **Chairman of Committee 4** said that the Annex to Recommendation COM 4-B, as set out in Document 209, would serve to preserve the VGE's proposed text of Article S10, as amended by the Conference Preparatory Meeting and further amended at the current Conference, the modified Article S10 being designated "Article T10" to distinguish it from the VGE's proposal. The Annex had no binding force, but could be useful as a basis for discussion in the future; for that reason, and because a great deal of work had been undertaken in preparing it, it should be preserved.

1.11 The **delegate of Syria** sought clarification of the Recommendation's implications with regard to the substantive subject matter that a future conference was expected to consider. He thought that the Annex should merely be noted, not approved.

1.12 The **delegate of Morocco** said that he wished to have his delegation's previous general reservation recorded again with regard to the Annex, in the minutes of the current meeting.

1.13 The **delegate of France** said that there was nothing in the Recommendation to oblige WRC-97 to consider the Annex. The text of the Annex was simply being preserved so that it could be taken into account in any future discussion of procedures for the modification of plans. His delegation was in favour of the approval of the Recommendation and its Annex.

1.14 The **delegates of Spain, the United Kingdom and Brazil** also supported the approval of the Recommendation and its Annex.

1.15 In reply to a request for clarification from the **delegate of the United Arab Emirates**, the **Chairman of Committee 4** said that Committee 4 had decided not to incorporate Article S10 in the simplified Radio Regulations but to incorporate it as an Annex to Recommendation COM4-B. In his view, just noting the text was not sufficient to carry it forward; rather, the Plenary should approve the Annex. He reiterated that approval would not imply adoption of any regulatory procedures; the text would simply remain available for possible consideration at future conferences.

1.16 The **delegate of Saudi Arabia** said that the *recommends* section of the Recommendation would seem to indicate that the modification procedure contained in the Annex was to be considered by a future conference. The Annex should, however, be submitted for information only. The **delegate of the United Arab Emirates** endorsed that comment and said that reference should be made to the fact that Article S10 had been suppressed by WRC-95.

1.17 The **delegate of Syria**, noting that the Conference had not approved Article S10, expressed his Administration's reservations concerning the Annex, with particular reference to the text of No. T10.17.

1.18 The **delegate of Morocco** said that No. T10.17 was particularly problematic and recalled the view of the Arab group, stated in Document 34, that the absence of comment or reply should in no way be considered as an agreement or approval. It should therefore be noted that Article T10 had not been adopted unanimously by the Conference and its inclusion in the Annex should in no way prejudice the decisions of WRC-97 concerning the revision of Appendix 30.

1.19 For the purposes of clarification, the **delegate of Swaziland** suggested an editorial amendment to *noting f)* of Recommendation COM4-B, indicating that consideration of Article T10 had been deferred to WRC-97. The **delegate of Lebanon** endorsed that suggestion and shared the reservations expressed by the Arab countries regarding the Annex.

1.20 The **Chairman of Committee 4**, emphasizing that the Annex was not to be incorporated in the simplified Radio Regulations, suggested deletion of the words "Article T10" both in the Annex and in the Recommendation. In order to clarify the situation further, he suggested rewording the title

of the Annex to read "A possible procedure for modification of a frequency allotment or assignment plan".

1.21 The **delegate of Israel**, referring to paragraph T10.2.2 of the Annex, said that the procedures in Appendices 30 and 30A had not been deleted. He therefore questioned the need for the Recommendation.

1.22 The **delegate of Morocco**, recalling the difficulties expressed regarding Appendices 30 and 30A, said that although the Conference had concluded that Article S10 should be modified, nothing concerning that Article had been included in the text of the simplified Radio Regulations. He endorsed the comments made by the delegate of Israel and suggested that, if the Recommendation were to be approved, Article S10 of the VGE Report should also be annexed and there should be an indication that Article T10 was a proposal of some administrations only. Furthermore, the text dealing with non-response, as set out in the final paragraph of the draft Resolution contained in Addendum 1 to Document 34, should also be attached.

1.23 The **Chairman** wondered whether the meeting would be prepared to take note of the Annex.

1.24 The **delegate of Spain** was reluctant simply to take note of the Annex and expressed his support for the suggestions put forward by the Chairman of Committee 4.

1.25 The **delegate of Syria** said that he had several reservations regarding a text which had not been proposed by the VGE but which some administrations were trying to approve in the name of the VGE.

1.26 The **delegate of France** said that the suggestion by the Chairman of Committee 4 to amend the title of the Annex was acceptable. He suggested that note should be taken of the reservations expressed.

1.27 The **delegate of Zimbabwe** said that he could along with the Recommendation and the Annex, provided that the suggestion made by the delegate of Swaziland was taken into account and the title of the Annex was amended.

1.28 The **delegate of the United Kingdom** supported the suggestion to reword the title of the Annex.

1.29 The **delegate of Bahrain** shared the reservations expressed by some delegations.

1.30 The **Chairman** suggested that the meeting should take note of the reservations expressed and approve the amendment to the title of the Annex as suggested by the Chairman of Committee 4.

1.31 It was so agreed.

1.32 In reply to a question by the **delegate of Algeria**, the **Chairman** said that the necessary consequential editorial amendments would be made to the text and a summary of the proposals contained in Document 34 and its Addendum 1 would be attached.

1.33 The **delegate of Morocco**, supported by the **delegate of Algeria**, requested that the names of those countries which had expressed reservations should be included in a footnote to the published text.

1.34 The **delegate of Germany** said that a very dangerous precedent would be set if a list of countries which had expressed reservations was to be attached to the Recommendation and he urged those countries to think of the consequences of that request.

1.35 The **delegate of Morocco** explained that the reservations concerned the adoption of the Recommendation, not what was being recommended. It was important for WRC-97 to be made aware of the conditions under which the Recommendation had been adopted.

1.36 The **delegate of Syria** recalled that Recommendations were customarily adopted by consensus in the ITU. As that was not so in the present case, countries should have the right to indicate their reservations.

1.37 The **delegate of Germany** suggested that the desire to express reservations might be alleviated by the insertion of a new paragraph in the Recommendation to the effect that adoption did not imply acceptance of the modification procedure set out in the Annex. He further suggested that, under *recommends*, mention should be made of the fact that the procedure contained in the Annex was for information only.

1.38 The **Chairman of Committee 4** recalled that the Recommendation had emanated from Working Group 4B and had been agreed in Committee 4. The **delegate of Mali** remarked that, nevertheless, some delegates to the Conference did not agree to its approval.

1.39 The **delegate of Morocco** said that he wished to make a reservation to the Recommendation. He requested that his reservation along with any other reservations should be mentioned in documentation accompanying the Recommendation.

1.40 The **Chairman**, in response to a question by the **delegate of France**, invited the Legal Adviser to give an opinion on whether it would be permissible to make a reservation to the Recommendation. The **Legal Adviser** said that No. 446 of the Convention provided for making reservations only with respect to texts which had treaty status. In the main, ITU Resolutions and Recommendations were adopted by consensus. There had been several occasions, however, when the texts of Recommendations and Resolutions had not been adopted by consensus and, in those cases, formal reservations had been included in the minutes.

1.41 The **delegate of Syria**, said that it was up to the Members of the Union to decide on the admissibility of indicating reservations. The fact that no consensus had been reached on the Annex to the Recommendation under discussion would have significant implications for the work of future conferences.

1.42 Having requested an informal indication of views, the **Chairman** noted that there was a large majority in favour of the Recommendation. He therefore suggested that the Recommendation, including its Annex, should be approved and that note should be taken of the various reservations. He would consult with the Secretary-General as to how the reservations could be included in the documentation, in conformity with the rules and regulations of the ITU.

1.43 Recommendation COM4-B and its Annex, as amended, was **approved**.

1.44 The second series of texts submitted by the Editorial Committee (B.2) (Document 209), as amended, was **approved** as a whole on first reading.

2 Additional frequency allocations (Addendum 2 to Document 68)

2.1 The **Chairman of Working Group 4A** said that Addendum 2 to Document 68 concerned proposed additions to two footnotes. He suggested that the matter should be taken up, along with consideration of Article 8 and the footnotes to Article 8, in conjunction with the report of Committee 4.

2.2 It was so **agreed**.

3 Note by the Chairman of the VGE (Document 253)

3.1 The **Vice-Chairman of the VGE** said that Document 253 contained suggestions for the alignment of footnotes, in accordance with the spirit of the suggestions of the VGE.

3.2 The **Chairman of Committee 4** said that, ideally, footnotes should be aligned in order to standardize the text and principles adopted in Committee 4. Given the time constraints and the sensitivity of some of the changes to be made, however, he suggested that the Conference should simply take note of the document.

3.3 The **delegate of Morocco** said that it should be emphasized in the minutes that Document 253 had been submitted for information only. The **delegate of Sweden** agreed and suggested that the document should be transmitted to the Special Committee on regulatory matters, so that it could be taken into account in preparing for future radiocommunication conferences.

3.4 Document 253 was **noted**.

4 Seventh series of texts submitted by the Editorial Committee for first reading (B.7) (Document 283)

Resolution 213 (Rev.WRC-95)

4.1 **Approved**.

Resolution PLEN-2

4.2 The **delegate of Spain** recalled that it had been decided to insert the word "ordinary" before Plenipotentiary Conference in *resolves to invite Members of the Union 1*.

4.3 The **Chairman** confirmed that the correction would be made.

4.4 The **delegate of China** asked for clarification of the implications of *resolves to invite Members of the Union 2*. Would Nos. 221 and 222 of the Constitution continue to apply after WRC-97?

4.5 The **delegate of Morocco** assumed that WRC-97 would adopt a date of provisional application for its revision of the Radio Regulations, probably 1 January 1999, by which time the Plenipotentiary Conference would have revised the Constitution and indicated how it would apply to the Final Acts of WRC-97.

4.6 The **delegate of China** said that, as No. 222 of the present Constitution would continue to apply until a Plenipotentiary Conference decided otherwise, *resolves to invite Members of the Union 2* should not imply any compulsion to advise the Secretary-General. The **Chairman** observed that the text was merely an invitation to administrations.

4.7 Resolution PLEN-2 was **approved**.

4.8 The **delegate of Morocco** suggested that an informal working group should be set up to discuss implementation dates for the revisions to the Radio Regulations adopted by WRC-95.

4.9 It was so **agreed**.

Resolution PLEN-3

4.10 **Approved.**

Resolution COM5-6

4.11 The **Chairman of the Editorial Committee** said that, in *also resolves*, the phrase "shall enter into force" should be replaced by "shall take effect".

4.12 The **delegate of Morocco** said that, in *also resolves*, the entry into force did not relate to the Radio Regulations, but to their provisional application.

4.13 The **Chairman** said that the square brackets around the dates in *also resolves* should be retained. He suggested that Resolution COM5-6 should be adopted, subject to the comments made.

4.14 It was so **agreed**.

Resolution COM5-7

4.15 The **Chairman of Committee 5**, replying to the **delegate of the Netherlands**, explained that the numbers of the Resolutions differed from those used in earlier documents for editorial reasons. The **Chairman** added that cross-references would be aligned accordingly. He said that the square brackets around the frequency bands should be maintained, pending confirmation of the decisions.

4.16 Resolution COM5-7 was **approved** on that understanding.

Resolution COM5-8

4.17 In response to a request for clarification by the **delegate of Syria**, the **Chairman of Committee 4** confirmed that *resolves* 2 placed no obligation on WRC-97, since the text was framed as an invitation.

4.18 Resolution COM5-8 was **approved**.

Resolution COM5-9

4.19 **Approved.**

Recommendation 717 (Rev.WRC-95)

4.20 **Approved.**

Recommendation COM5-C

4.21 **Approved.**

4.22 The seventh series of texts submitted by the Editorial Committee (B.7) (Document 283) as amended, was approved as a whole on first reading.

The meeting rose at 1245 hours.

The Secretary-General:
Pekka TARJANNE

The Chairman:
S. AL-BASHEER



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 320-E
5 December 1995
**Original: English/
French**

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

EIGHTH PLENARY MEETING

Wednesday, 15 November 1995, at 1440 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed

Documents

- | | | |
|---|--|-----|
| 1 | Eighth series of texts submitted by the Editorial Committee for first reading (B.8) | 284 |
| 2 | Texts submitted by the Editorial Committee for second reading | 284 |
| 3 | Sixth series of texts submitted by the Editorial Committee for first reading (B.6) (continued) | 264 |

1 Eighth series of texts submitted by the Editorial Committee for first reading (B.8) (Document 284)

Article S58 and Appendix S1

1.1 Approved.

Appendix S4

1.2 At the suggestion of the **delegate of Sweden**, it was **agreed** to place between square brackets the reference to No. S13.5 in item 1C of Annex 1A, pending the outcome of discussions on No. S11.16.

1.3 On that understanding, and subject to editorial amendment of the Spanish text of Annex 1A, Appendix S4 was **approved**.

Appendices S9-S12

1.4 Approved.

Appendix S13

1.5 Approved, subject to the replacement of "general knowledge" by "elementary knowledge" in two boxes of Table [AP S13].

Appendices S14 and S16-S18

1.6 Approved.

1.7 The eighth series of texts submitted by the Editorial Committee (B.8) (Document 284) as a whole, as amended, was **approved** on first reading.

2 Texts submitted by the Editorial Committee for second reading (Document 284)

2.1 At the suggestion of the **Chairman of Committee 6**, the texts in Document 284 were submitted for second reading.

2.2 The **Chairman** drew attention to the amendments that had been approved during the first reading.

Article S58 and Appendix S1

2.3 Approved.

Appendix S4

2.4 The **delegate of France** having expressed concern that square brackets still remained in item 1C of Annex 1A, the **Chairman** said that the requisite action would be taken at a later stage.

2.5 The **delegate of Spain** drew attention to editorial changes to be made in the Spanish text of items 9EB and 9EC of Annex 1A in order to align it with the other language versions.

2.6 The **Chairman of Committee 4** said that it might be necessary for the BR to make changes to the notice types and item numbers in the table of characteristics in Annex 1B in order to bring them

into line with the new Radio Regulations. Furthermore, a number of editorial marks should be removed from the table and the cross-references to the provisions of Article S9 in the various footnotes should be verified.

2.7 The **delegate of Canada** drew attention to an editorial correction required in footnote 5 to the table of characteristics in Annex 1B.

2.8 Appendix S4, as amended, was **approved**.

Appendices S9-S14 and S16-S18

2.9 **Approved**.

2.10 The texts submitted by the Editorial Committee in Document 284 as a whole, as amended, were **approved** on second reading.

3 Sixth series of texts submitted by the Editorial Committee for first reading (B.6) (continued) (Document 264)

Recommendation GT PLEN-A (continued)

3.1 The **Chairman of the Working Group of the Plenary** suggested, in view of the consensus reached in the Working Group on Recommendation GT PLEN-A, that it might be advisable to deal with the Recommendation before taking up Resolution GT PLEN-1 and its annex.

3.2 The **delegate of Morocco**, supported by the **delegate of Syria**, said that since the three *recommends* paragraphs of Recommendation GT PLEN-A were already contained in the Annex to Resolution GT PLEN-1, there seemed little point in considering the two texts separately.

3.3 The **delegate of Australia** considered that Recommendation GT PLEN-A should be approved separately since it had been the subject of a consensus in the Working Group of the Plenary and since it would provide useful guidance for the studies to be undertaken prior to WRC-97. The **delegate of France** supported that view, emphasizing that unanimous agreement had been reached on the technical parameters set out under *recommends* 1. The **delegate of the United Kingdom** said that Recommendation GT PLEN-A was a very important text which had commanded wide support at both the CPM and the present Conference; the European countries took the view that the improved technical parameters developed should be available in the form of a separate recommendation to those planning for WRC-97.

3.4 The **delegate of Morocco** emphasized that there was no substantive difference between Recommendation GT PLEN-A and § 3 of the Annex to Resolution GT PLEN-1, and expressed surprise at the importance attached to the matter by the European countries. He further requested clarification on the reference, in *recommends* 1.2 of the Recommendation, to Document 10-11/1009 which was not an official document of WRC-95.

3.5 The **delegates of India** and **the Netherlands** supported the views expressed by the delegates of Australia, France and the United Kingdom, as did the **delegate of the Republic of Korea** who added that the Recommendation would be very important for the ITU-R study group which might be involved in planning for WRC-97.

3.6 The **delegate of Syria** queried the claim that the Recommendation had been unanimously approved by the Working Group of the Plenary. His delegation did not agree that it should be

treated separately or, indeed, that any ITU-R study group should be involved in the planning exercise to be conducted in preparation for WRC-97.

3.7 The **delegate of Italy**, responding to the delegate of Morocco's request for clarification, explained that the reference placed between square brackets in *recommends* 1.2 had been included pending the availability of definitive numbering for ITU-R Recommendations. The Recommendation in question had now been given a number, subject to the insertion of which the reference in square brackets could be deleted. The **delegates of Sweden** and **Spain** endorsed those remarks.

3.8 Subject to that editorial amendment and to the reservation expressed by the delegate of Syria, Recommendation GT PLEN-A was **approved** on first reading.

Resolution GT PLEN-1 (continued)

3.9 The **Chairman of the Working Group of the Plenary** said that the Resolution on the review of Appendices 30 and 30A of the Radio Regulations and its Annex containing the Conference's report on the subject were the result of a delicate compromise. The Resolution had been the subject of numerous reservations, which was hardly surprising in view of the widely diverging positions held on what had been an issue of paramount importance since the very outset of the Conference. The fact that agreement had finally been reached was indicative of the spirit of cooperation prevailing among delegates. He regretted that it had not been possible to accommodate all the views expressed, and emphasized that the text before the Plenary by no means fully satisfied either one side or the other.

3.10 The **delegate of Pakistan**, clarifying his delegation's position regarding the Resolution, said that his Administration was aware of the importance and usefulness of a more flexible frequency plan as well as the problems involved in devising an effective coordination system for Region 3. It also recognized the limitations of developing countries in implementing the complicated procedures of the Radio Regulations due to the shortage of expertise and appropriate infrastructures. It therefore considered that administrations who so requested should be allowed to retain the current assignments in Appendices 30 and 30A.

3.11 The **delegate of Morocco**, explaining the reasons for his country's reservations regarding the Resolution, recalled that when an ITU Radiocommunication Conference had first made allocations to the broadcasting-satellite service, there had been two conditions attached: compliance with RR 2674 and recourse to planning for the bands in question, which was deemed the only means of providing developing countries with portions of the spectrum without the need for them to specify any dates. Many statements made thus far had referred to inefficient use of the spectrum on account of the Plan and the fact that planned bands should be occupied by those who had the means to do so. Thus the second condition seemed to be gradually disappearing. However, there was a need to safeguard national coverage for reasons other than technical ones. In 1977 the technology available had not allowed for the planning of satellite networks with more than five channels, but that situation had changed considerably in the light of technological progress, as borne out by the forty or so systems notified to the Bureau, each of which occupied nearly 800 MHz of the planned bands.

3.12 The approach to the review of Appendices 30 and 30A differed for the countries to the north of and to the south of the Mediterranean Basin respectively. The use of more precise parameters would allow countries in the latter category to develop economically viable satellites for their own purposes. An attempt had been made to convince delegates at the Conference that in order to comply with the conditions laid down by previous conferences and allow for the development of

economically viable satellites, a larger portion of the spectrum and greater flexibility in the use of the orbit were required. That had been countered by the response that only five channels and current orbital locations must be maintained. In the meantime, the Bureau was receiving notifications for dozens of subregional systems which would occupy the whole band in several orbital positions that did not coincide with nominal orbital positions. For those reasons the countries concerned were sceptical about the outcome of WRC-97. Over and above technical considerations, however, there were other aspects to be taken into account that did not normally come within the purview of the ITU. However, as Government representatives, delegates could not always separate technical from non-technical issues. The European countries should be aware that the increasing number of their transmissions over the territory of Morocco and other countries could adversely affect the basic values of those societies, and the European administrations were requested to exercise greater restraint in making such broadcasts, in order to avoid creating social and political problems in the countries concerned.

3.13 The **Chairman** said he took it that the views expressed by the delegate of Morocco were shared by other countries, including the Arab States.

3.14 The **delegate of Australia** said that the delegations of Australia and other countries in Region 3 had arrived at the Conference with relatively simple expectations regarding the review of Appendices 30 and 30A, namely: to take into account Resolution 524 (WARC-92) in its entirety; to adopt modern parameters; to accommodate the needs of new countries by providing full protection for existing assignments. It had been made quite clear during the discussions on the Resolution that every effort should be made to accommodate the needs of Region 1 countries, in view of their common borders with Region 3. That presented certain difficulties, and the Region 3 countries had gone as far as could reasonably be expected. The issue had proved to be a sensitive one and some of the countries in his Region had found it difficult to make concessions. It should be borne in mind that the report contained in the Annex to the Resolution was in no way conclusive but was merely intended to provide WRC-97 with information on progress made. As positions had converged to a certain extent and all the main factors had been taken into account, he called for the cooperation of all delegates so that WRC-97 could start its work on a sound basis.

3.15 The **delegate of France** observed that the most important part of the report in the Annex to the Resolution was Section II entitled "Planning principles", which covered virtually all the principles and proposals regarding the review of Appendices 30 and 30A set out in Document 38 submitted to the Conference by a number of Arab States. That bore witness to the extent of the compromise reached on the issue. As to the Moroccan delegate's comments regarding orbital positions, surely the current positions provided sufficient flexibility for the implementation of regional systems. In conclusion, he expressed his delegation's support for the Resolution and its Annex as set out in Document 264.

3.16 The **delegate of Algeria** said that his Administration had entered a reservation regarding the Resolution, since it recognized the need for mankind to take full advantage of technological progress as well as for the ITU to take account of the interests of all Member States, especially those placed at a technological disadvantage. On other occasions it had been possible to achieve compromises which reconciled those needs and satisfied the entire membership of the Union. However, the Resolution now before the Plenary did not maintain such a balance. There were many aspects of the Annex which raised problems for a number of delegations, and Algeria was therefore compelled to maintain its reservation regarding both the Resolution and its Annex.

3.17 The **delegates of Tunisia and Libya** also entered reservations in respect of the Resolution and its Annex.

3.18 The **delegate of India** said that his delegation continued to support the consensus reached with regard to review of the planning principles contained in Appendices 30 and 30A, on the understanding that the report annexed to the Resolution would merely form a working basis for further study of the issue at WRC-97.

3.19 The **Chairman** invited the meeting to consider Resolution GT PLEN-1 without its Annex.

3.20 On a proposal by the **delegate of Syria**, supported by the **delegates of Lebanon and Morocco**, it was **agreed** to replace the word "should" by "may" in the *resolves* paragraph.

3.21 Subject to the reservations expressed, Resolution GT PLEN-1, as amended, was **approved**.

3.22 The **Chairman** invited the Plenary to take up the Annex to Resolution GT PLEN-1 section by section.

Section 1: Introduction

3.23 Following remarks by the **delegates of Syria, Italy** and the **Chairman of Committee 6**, the **delegate of Morocco** suggested that the words "taken by WRC-97" in the fourth paragraph should be deleted.

3.24 The **delegates of Turkey and Syria** suggested editorial changes to the sixth paragraph.

3.25 Responding to a query by the **delegate of Morocco** concerning the reference to Document 21 in the ninth paragraph and elsewhere in the report, the **Chairman of the Working Group of the Plenary** suggested in the interests of clarity that Section 2.6 of Document 21 should be annexed to the report for information purposes.

3.26 Section 1, as amended, was **approved**.

Section 2: Planning principles

3.27 **Approved**.

Section 3: Planning parameters

3.28 Following a proposal by the **delegate of New Zealand** to delete the part of the text which merely reproduced the wording of Recommendation GT PLEN-A and an exchange of views in which the **Chairman of the Working Group of the Plenary** and the **delegates of Syria, Lebanon, India and Israel** took part, it was **agreed**, for the sake of clarity, to retain the text as it stood, subject only to an editorial correction in § 1.2.

3.29 The **delegate of Spain** stated that for any planning parameters not mentioned in the report annexed to Resolution GT PLEN-1, in particular the type of polarization, the data currently contained in the Appendix 30 and 30A technical bases should be used.

3.30 Section 3, as amended, was **approved**.

Section 4: Procedural matters requiring preparatory work and consideration by WRC-97

3.31 The **Chairman of Committee 6** and the **delegate of Sweden** proposed editorial amendments to §§ 4.3.3, 4.3.5, 4.3.6 and 4.4.

3.32 In relation to the application of RR 2674, the **delegates of Syria, Jordan, Algeria, Saudi Arabia, Morocco and Greece** expressed strong objections to § 4.3.5, especially regarding the interpretation to the effect that if no response was received by the Bureau within a determined period, the non-commenting administration was to be considered as not having a major objection. In particular, they pointed out that the ITU's mandate related to technical matters and that, once administrations had been adequately informed about such matters, continuing disagreements should be resolved at the diplomatic level. They therefore considered the course of action proposed for the Bureau in § 4.3.5 to be inappropriate; furthermore, it was not clear when any modification to the Rules of Procedure for RR 2674 would enter into force.

3.33 The **delegate of Greece** proposed the insertion at the end of the first sentence of § 4.3.5 of either the phrase "and explicitly in a separate message dealing only with this matter" or the phrase "which includes, as mentioned in the Rules of Procedure on Article 4 of Appendices 30 and 30A (under provision 4.3.12), an explicit telegram from the Bureau to the administrations concerned one month before the end of a determined period". The **delegate of France** supported that approach. In his view, the procedure outlined in § 4.3.5 was the only way to facilitate the development of multi-administration and subregional systems.

3.34 The **Chairman** agreed that it was important not to restrict development and pointed out that the provisions themselves would be developed at WRC-97. He suggested that interested delegates should meet informally to resolve differences regarding § 4.3.5.

3.35 Following informal consultations, the **delegate of Morocco** reported that consensus had been reached on paragraph 4.3.5, although more time was required to draft an amended text. It had been proposed that in the first sentence "should" should be replaced by "shall as appropriate" and that the first amendment proposed by the delegate of Greece should be inserted at the end of the sentence. It would also be necessary to add an instruction to the Bureau that, when informed of a disagreement, it was to request the communicating administration to modify the beam of its satellite using all technical means available. Finally, when recording such a modification in the Master Register, the Bureau should indicate the respective situations of all the countries concerned. If those amendments were agreeable in principle, he would prepare an appropriate draft.

3.36 The **delegate of Luxembourg** pointed out that in drafting the report considerable efforts had been made to arrive at a compromise, which had been accepted in the Working Group of the Plenary despite the reservations of some delegations. He too had concerns about paragraph 4.3.5 since RR 2674 did not require an agreement. Any moves to re-open the discussion with a view to amending the text could give rise to serious problems, and he urged the Plenary to accept the text as it appeared in Document 264. Further, he wished to place on record his view that in modifying the Rules of Procedure for RR 2674 the RRB should act in accordance with No. 95 of the Constitution.

3.37 The **Chairman**, supported by the **delegate of the Netherlands**, suggested that square brackets should be placed round § 4.3.5 pending submission to the Plenary of an amended text along the lines suggested by the delegate of Morocco.

3.38 It was so **agreed**.

3.39 Section 4, as amended, was **approved**.

Section 5: Advice and instructions to ITU-R

3.40 On a proposal by the **delegate of Morocco**, it was agreed to delete the note in square brackets under § 5.2.4.

3.41 Following comments by the **delegate of Morocco** concerning § 5.2.10, the **Chairman** suggested that Committee 6 should be asked to redraft § 5.2.10.

3.42 It was so **agreed**.

3.43 The **delegate of Luxembourg** expressed the same reservation to § 5.3.1 as under § 4.3.5, namely, that the RRB should act in accordance with No. 95 of the Constitution.

3.44 The **delegate of Algeria** proposed that § 5.3.1 should be placed within square brackets pending approval of § 4.3.5.

3.45 The **Director of the Radiocommunication Bureau** drew attention to No. 95 of the Constitution which stated that the Rules of Procedure were to be approved by the RRB and used by the Director and the Bureau in the application of the Radio Regulations. Following publication of the Rules of Procedure, administrations were entitled to comment; any comments received were submitted to the RRB and in the case of a continuing disagreement the next WRC would be notified. The current rules had been published in December 1994 and, to date, no comments had been received from administrations. It was his understanding that once the RRB had approved a rule of procedure the Director and the Bureau would apply it immediately.

3.46 The **delegate of Luxembourg**, supported by the **delegate of Malaysia**, expressed the view that when a new rule of procedure entered into force it should be applied only to systems that had not been communicated to the Radiocommunication Bureau.

3.47 Following a further exchange of views regarding the interpretation of RR 2674, the **delegate of Algeria** said that provided it was clear that any modification of the Rules of Procedure was undertaken in conformity with the Radio Regulations he could accept § 5.3.1. The compromise text to replace § 4.3.5, as outlined earlier by the delegate of Morocco, would cover the problem of the date of entry into effect of any modification.

3.48 The **delegate of Syria** queried the meaning of the words in parentheses after the title of § 5.1, namely "which imply agreement for action taken by the BR". The **Chairman of the Working Group of the Plenary** explained that in taking note of the measures the WRC was expressing neither a positive nor a negative opinion on them, and that there was a difference between approval and agreement. The **delegate of Morocco** proposed that the words in parentheses simply be deleted.

3.49 It was so **agreed**.

3.50 The **delegate of Morocco** said that § 5.3.5 concerning service area contours and steerable beams should be deleted. He was supported by the **delegate of Malaysia**.

3.51 The **Chairman of the Working Group of the Plenary** said that most delegations in the Working Group had been opposed to such a deletion. The **delegate of France** expressed the view that deleting the paragraph would not cause the genuine problem to which it referred to disappear. The last sentence of the paragraph stated clearly, moreover, that the effect of steerable beams on other networks or on a future plan required further study. WRC-97 would have to decide on the matter; nobody disputed that. The **delegate of Australia** shared that opinion, emphasizing that the paragraph did not express a view for or against steerable beams, but was intended merely to help the BR to tackle the issue before WRC-97.

3.52 The **delegate of Morocco** proposed, by way of a compromise, that the subject of the paragraph be included under § 5.2, which grouped together matters on which WRC-95 considered there to be a need for further study by ITU-R.

3.53 It was so **agreed**.

3.54 With respect to § 5.4, Step 1, the **delegate of Morocco** proposed that the words "on the basis of the planning principles contained in Section 2 above" be inserted.

3.55 The **delegate of Australia** was of the view that the Conference was not in a position to dictate the decisions to be taken at WRC-97; it could merely state that the planning principles were to be taken into consideration. The important thing in the first instance was the consensus that existed with respect to the new parameters applicable to amendments to the Plan.

3.56 Following an exchange of views between the **delegate of Morocco**, the **delegate of Syria** and the **Chairman of the Working Group of the Plenary**, the **delegate of France** proposed that the words which the delegate of Morocco wished to add should be inserted in the first paragraph of § 5.4.

3.57 It was so **agreed**.

3.58 Section 5, as amended, was **approved**.

3.59 The **Chairman** said that consideration on first reading of the report to WRC-97 (the Annex to Resolution GT PLEN-1) was completed.

The meeting rose at 1815 hours.

The Secretary:
Pekka TARJANNE

The Chairman:
S. AL-BASHEER



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 321-E
5 December 1995
Original: English

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

NINTH PLENARY MEETING

Thursday, 16 November 1995, at 0940 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed

Documents

- | | | |
|---|--|-------------------------|
| 1 | Organization of work | - |
| 2 | Approval of the minutes of the fourth Plenary Meeting | 257 + Corr.1 |
| 3 | Fourth series of texts submitted by the Editorial Committee for first reading (B.4(Rev.2)) | 235(Rev.2), 295 |
| 4 | Ninth series of texts submitted by the Editorial Committee for first reading (B.9) | 292(A) + Corr.1, 292(B) |

1 Organization of work

1.1 The **Chairman** noted the request by the **delegate of Morocco** for a consolidated list of outstanding matters for discussion.

2 Approval of the minutes of the fourth Plenary Meeting (Document 257 and Corrigendum 1)

2.1 The minutes of the fourth Plenary Meeting (Document 257 and Corrigendum 1) were **approved**, subject to editorial corrections to be submitted in writing by the **delegates of France** (paragraph 6.12) and **Germany** (paragraph 5.18).

3 Fourth series of texts submitted by the Editorial Committee for first reading (B.4(Rev.2)) (Documents 235(Rev.2), 295)

Resolution PLEN-1, Resolution [PLEN-x] and Article S5

3.1 The **Chairman** said that Documents 235(Rev.2) and 295 should be considered as a package, since the former contained draft Resolution PLEN-1 on the use of the bands 18.8 - 19.3 GHz and 28.6 - 29.1 GHz by non-geostationary fixed-satellite service systems, while the latter set out draft Resolution [PLEN-x] on the use of the bands 19.3 - 19.7 GHz and 29.1 - 29.5 GHz by feeder links for non-GSO MSS networks, as well as certain provisions of Article S5. He recalled that there had already been lengthy debate on the subject and noted with satisfaction that a compromise had been reached, as reflected in the documents. He said that two further amendments should be made to Resolution PLEN-1. First, the square brackets should be deleted; secondly, the date referred to in *instructs the Radiocommunication Bureau* should read 17 February 1996.

3.2 The **delegate of Germany** said that the first sentence below the title of Resolution PLEN-1 should be deleted since it appeared in ADD S5.523D, as a footnote to the Table of Frequency Allocations.

3.3 The **delegate of the United States**, welcoming Resolution PLEN-1, said that it was important for the Conference to be aware of the spirit of cooperation shown by countries in Europe and in other parts of the world, which had made it possible to reach agreement. The compromise reflected the interest in new technologies, and was indicative of the ability of the ITU membership to work together in a cooperative and constructive manner.

3.4 The **delegate of the United Kingdom**, speaking of behalf of the European countries, endorsed Documents 235(Rev.2) and 295, as amended. He thanked the Chairman for his efforts to resolve the two difficult issues and welcomed the spirit of cooperation shown by other delegations involved in the discussions, particularly the delegation of the United States.

3.5 The **delegate of Morocco** said that, having made every effort to find a solution, he was pleased to note that mutual cooperation had prevailed and a compromise had been reached.

3.6 The **delegate of Luxembourg** said that, despite its reservations, his delegation would go along with the compromise on the understanding that it was to be interpreted in accordance with paragraph 3 of Document DT/42.

3.7 The **delegate of Mexico** expressed support for Documents 235(Rev.2) and 295, as amended, and thanked all those who had worked so hard to find a solution that would further the development of telecommunications.

3.8 The **delegate of Bangladesh** said that, although the task of simplifying the Radio Regulations was long and difficult, he was confident that it would be completed successfully. Despite differences of opinion, a solution had been reached based on mutual cooperation. He continued to hope that the interests of developing countries would be accommodated in the Final Acts of the Conference.

3.9 The **delegate of Canada** welcomed Documents 235(Rev.2) and 295, as amended, and said that two editorial corrections should be made to Document 295. First, parentheses should be inserted around the words "except S9.11bis" in the final line of ADD S5.523A; secondly, the words "(see Resolution COM5-7)" should be added at the end of ADD S5.535B.

3.10 The **delegate of Saudi Arabia**, endorsed the compromise reflected in Documents 235(Rev.2) and 295, as amended. He thanked all those who had worked to reach a solution which recognized the interests of all administrations. While the way should be opened for new technology, it was important to bear in mind that many countries still needed existing services.

3.11 The **delegate of Syria** said that he was proud to have participated in the process to reach a compromise and noted the will of the European countries and the United States to reach an agreement. Commending the efforts of the delegate of Morocco, he said that Documents 235(Rev.2) and 295, as amended, represented a significant step forward.

3.12 In reply to a question by the **delegate of the Republic of Korea** regarding the clarity of the paragraph *instructs the Radiocommunication Bureau* in Document 235(Rev.2), the **Chairman** said that the wording, although general, had been chosen extremely carefully and he hoped that it could be accepted as it stood.

3.13 Following observations from the **delegate of Spain** concerning Document 235(Rev.2), the **Chairman** confirmed that the square brackets, and not their contents, had been deleted. He added that the Spanish version of *further resolves* 1 would be aligned with the English text. Other necessary editorial amendments would also be made, including correcting the references to certain resolutions, as requested by the **delegate of Germany**.

3.14 The **delegate of Jordan** endorsed Documents 235(Rev.2) and 295, as amended. He was pleased that a solution had been found and hoped that it would serve to promote technological development in the developing countries.

3.15 The **delegates of the United Arab Emirates, Uganda and Lebanon** supported Documents 235(Rev.2) and 295, as amended.

3.16 The fourth series of texts submitted by the Editorial Committee (B.4(Rev.2)) (Documents 235(Rev.2) and 295), as amended, were **approved** as a whole on first reading.

3.17 The **Chairman of the Editorial Committee** suggested that, given the consensus, the two documents might be submitted immediately for a second reading in order to speed up the work of the Plenary. The **delegates of France and Spain**, however, objected to that proposal, stressing that it was essential to carry out the second reading on the basis of parallel texts in the three languages of the Conference.

3.18 The **delegate of Morocco** recalled that the Plenary Meeting had sought the opinion of the Radio Regulations Board on several occasions. He wished it to be explicitly stated in the minutes that none of the documents submitted or opinions expressed by the Board should in any way be considered as giving an interpretation of the Radio Regulations or the decisions of the present Conference.

**4 Ninth series of texts submitted by the Editorial Committee for first reading (B.9)
(Documents 292(A) and Corrigendum 1, 292(B))**

4.1 The **Chairman of Committee 4**, introducing Document 292, which was presented in two parts, said that it contained the consolidated decisions of Committees 4 and 5 with respect to Article S5. Committee 4 had applied a number of principles in its review of proposals relating to footnotes to the Table of Frequency Allocations. Some of the proposals, listed in the Annex at the end of Document 292(B), did not seem to relate directly to any specific item of the agenda of the Conference and it had been left to the Plenary Meeting to take a decision as to whether those changes could be accepted. He suggested that it might be worth making such a decision at the outset in order to facilitate the consideration of the remaining issues.

4.2 The **delegate of Algeria**, referring to Document 281, asked when the proposal would be considered. The **delegates of Mali and Syria** indicated that the names of their countries should be added to the proposal, along with those listed in Corrigendum 1 to Document 281, and called for the matter to be dealt with in the Plenary.

4.3 The **Chairman of Working Group 4A** said that the Algerian proposal, contained in Document 281, was clearly within the scope of the work of Committee 5 and was therefore open for discussion in the Plenary in due course.

4.4 The **Chairman of Committee 5** endorsed that remark and suggested that proposal ALG/281/1 should be taken up later, in the appropriate context.

4.5 It was so agreed.

4.6 The **Chairman of Committee 4** said that, if the Plenary Meeting decided to endorse the principles applied by Committee 4, it would be a straightforward task to deal with any proposals that might have been overlooked or to make any necessary editorial amendments.

4.7 The **Chairman of Working Group 4A** said that, having discussed the matter, Working Group 4A had decided that it did not have the mandate to add country names unless the changes were related to the simplification of the Radio Regulations, consequential amendments resulting from political adjustments, or modifications arising from the work of Committee 5. It was up to the Plenary to confirm or change that decision.

4.8 The **delegate of Brazil** recalled that his delegation had made a proposal in Addendum 1 to Document 17, requesting inclusion of his country in footnote MOD S5.318. The **Chairman of Working Group 4A** confirmed that S5.318 was one of the footnotes awaiting the decision of the Plenary Meeting. He added that other proposals were also to be included in the Annex to Document 292(B), including: S5.204 (Peru), S5.277 (Benin and Jordan) and S5.283/S5.275 (Austria).

4.9 The **delegate of Germany** recalled that the Plenary Meeting had already approved a resolution providing for the inclusion, in every WRC agenda, of a special item to allow for the

deletion of country names and country footnotes. In discussing that resolution, the delegate of Morocco had stated as a principle that, in general, no additions would be allowed, except for those within the scope of the agenda of the conference concerned. His delegation wished to endorse that principle.

4.10 The **delegate of Spain** believed that it was not prudent to engage in the deletion or addition of country names or the addition of footnotes without the consensus of all parties potentially affected by such action.

4.11 Following informal consultations, the **Chairman** suggested that discussion of footnotes and country names that went beyond the principles applied by Committee 4 should be considered to be outside the purview of the Conference.

4.12 It was so **agreed**.

4.13 The **delegate of Syria**, recalling the Moroccan request for a consolidated list of matters still to be addressed, requested assurance that the footnote proposed by Algeria, and some other outstanding proposals relating to footnotes, including Syria's, would be dealt with at a later meeting.

4.14 The **Chairman** confirmed that, as decided earlier, proposals for footnotes which were within the purview of the Conference would be taken up at a forthcoming Plenary Meeting. The Plenary Meeting could thus now move on to consider the texts relating to Article S5, as contained in Document 292, beginning with Part (A) of that document, on the understanding that square brackets throughout the text would be deleted editorially where appropriate.

NOC S5.1 to NOC S5.13

4.15 **Approved**.

MOD S5.14

4.16 **Approved** on the understanding that, if necessary, "Syria" would be added to Turkey and Ukraine in the penultimate line.

NOC S5.15 to SUP S5.95

4.17 **Approved**.

MOD S5.96

4.18 The **Chairman of Working Group 4A** said that it had been decided to delete the reference to Austria, and the surrounding square brackets, from the text of MOD S5.96. Replying to a question by the **delegate of Syria**, he observed that to do so was within the mandate of the current Conference, since Austria had not been among the original entries. The **delegate of Austria** confirmed his Administration's acceptance of the deletion.

4.19 The **Chairman of Committee 4**, responding to a question by the **delegate of Zimbabwe**, said that when a country requested the addition of its name to a footnote, a decision could only be taken in cases which fell within the mandate of the current Conference; such cases had been dealt with mainly in Committee 5. The case of Austria, dealt with in Committee 4, would have involved a change of allocation - a matter outside the scope of the agenda for the current Conference. As he saw it, the case of Zimbabwe was similarly outside the mandate of the Conference.

4.20 MOD S5.96, as amended, was **approved**.

NOC S5.97 to NOC S5.147

4.21 **Approved**, subject to minor editorial changes.

NOC S5.148, MOD S5.48 and SUP Resolution 8

4.22 The **Chairman of Committee 4** drew attention to the two alternative texts for footnote S5.148; the first represented no change, and the second proposed a modification.

4.23 The **delegate of the United Kingdom** said that Resolution GT PLEN-2, already approved on first reading, identified the spectrum shown as being available for broadcasting on an interim basis. The Plenary Meeting could perhaps take a decision on the basis of that Resolution.

4.24 The **Chairman of Working Group 4A** suggested that, accordingly, the second alternative text should be adopted, replacing "[GT PLEN-B]" by "GT PLEN-2", and the first alternative should be deleted, with the consequential deletion of Resolution 8.

4.25 The **delegate of Argentina** said that *resolves* 1 of Resolution GT PLEN-2, on the allocation of bands to the broadcasting service, called for observance of the provisions of RR 531, which included protection for the fixed services until the transfer of frequencies had been completed. But the second alternative contained no such provision. Since the text of the first alternative was out of date, his delegation could accept the second alternative if the words "shall be subject to" were followed by "causing no harmful interference to stations of the fixed service which are registered in the International Master Frequency Register and have not been transferred, until the 1997 World Radiocommunication Conference has taken the appropriate decisions".

4.26 The **delegate of Italy** said that he understood the concern voiced by the delegate of Argentina, but felt that the matter was covered by Resolution GT PLEN-2. Italy supported the second proposed alternative text.

4.27 The **delegate of Syria** said that it was not within the mandate of the current Conference to adopt Resolution GT PLEN-2. The **delegate of Senegal** added that Resolution GT PLEN-2 contradicted *resolves* 2 of Resolution 20 adopted at the Plenipotentiary Conference (Kyoto, 1994). The **delegate of Mali** shared those views.

4.28 The **Chairman of the Working Group of the Plenary** said that the majority view in that Group had been that it was appropriate to try to resolve the matter at the current Conference. There had been convincing arguments on the need to protect fixed services in the bands concerned; but the date by which those services were to have been removed was already past. If no reference was made to them, the broadcasting service, by applying RR 342, might continue to implement systems in the band without hindrance until 1997. The position reflected in *resolves* 1 of Resolution GT PLEN-2 was that, on an interim basis, HF broadcasting should be allowed to operate in the band; RR 531, which provided protection for fixed services in the band, was also invoked. That approach was reflected in the second alternative text.

4.29 The **delegate of the United Kingdom** said that to maintain the existing text of footnote S5.148 would be inconsistent with Resolution GT PLEN-2 which provided that, on an interim basis, the HF broadcasting service could use the 1979 extension bands from 1 January 1996, whereas, according to the second sentence of the existing S5.148, the use of those bands by the broadcasting service was subject to provisions established by the WARC-HFBC-87.

4.30 The **delegate of Morocco** said that the Working Group of the Plenary had never considered modifying the footnote. The possible contradiction mentioned by the previous speaker was taken care of in the *noting* and *considering* of Resolution GT PLEN-2, and he saw no difficulty in that regard. He proposed that the matter should be left to WRC-97, without any amendment to footnote S5.148.

4.31 The **delegate of the United Kingdom** said that he would not press his point, subject to an assurance that the bands referred to in *resolves* 1 of Resolution GT PLEN-2 would be available from 1 January 1996 onwards and that the Radiocommunication Bureau would not reject any assignments which fell within those bands. The **Chairman** said he took it that the Bureau would provide such an assurance.

4.32 The **delegate of Mali** said that he did not see how a world radiocommunication conference could take a decision at variance with a resolution adopted at a Plenipotentiary Conference. He supported the proposal by the delegate of Morocco that consideration of the matter should be deferred until WRC-97.

4.33 The **Chairman of the Working Group of the Plenary** said that the Working Group's view had been that Resolution 20 of the Kyoto Plenipotentiary Conference, in urging administrations to comply with all the provisions of the Radio Regulations, simply told all broadcasting services that they must operate under RR 342. That Resolution also called for no action until the completion of the planning, which was unlikely to be before 1997. The problem was that, in the meantime, systems would be introduced in the band under RR 342 and the fixed services would have to be protected. Resolution GT PLEN-2 had been drafted with that in mind, and had been approved with two reservations, by Senegal and Argentina. As the delegate of Morocco had pointed out, footnote S5.148 had not been considered, but the intention had been that it should remain unchanged.

4.34 The **delegate of Germany** agreed with the delegate of the United Kingdom that the text of S5.148 as it stood was inconsistent with Resolution GT PLEN-2, which had been adopted; but it could perhaps be retained with the addition of a sentence: "However, the above-mentioned bands may be used on an interim basis by that service from 1 January 1996".

4.35 The **Chairman**, noting that there seemed to be no support for the latter suggestion and that no progress was being made, said that the discussion would be resumed at the next Plenary Meeting, following informal consultations.

The meeting rose at 1240 hours.

The Secretary:
Pekka TARJANNE

The Chairman:
S. AL-BASHEER



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 322-E
24 December 1995
Original: French

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

TENTH PLENARY MEETING

Thursday, 16 November 1995, at 1440 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subject discussed

- 1 Ninth series of texts submitted by the Editorial Committee for first reading (B.9) (continued)

Documents

292(A) + Corr.1,
292(B)

**1 Ninth series of texts submitted by the Editorial Committee for first reading (B.9)
(continued) (Documents 292(A) and Corrigendum 1, 292(B))**

1.1 The **Chairman** invited the delegates to resume consideration of Article S5 in Document 292(A) and its Corrigendum.

NOC S5.148 (continued)

1.2 The **delegate of Morocco**, reporting on the informal consultations he had held following the previous meeting, said that the delegations consulted had expressed a preference for alternative 1, stressing that *resolves* 1 of Resolution GT PLEN-2 indicated that Article 17 would be applied by the Bureau until WRC-97, which would take appropriate steps in respect of the frequency bands under consideration.

1.3 The **delegate of France** pointed out that, should alternative 1 be chosen, Resolution 8 should not be deleted.

1.4 The **delegate of Senegal**, although willing to accept alternative 1, drew attention to the contradiction between it and *resolves* 1 of Resolution GT PLEN-2; furthermore, he had received no answer to his question on the legality of that Resolution in relation to Resolution 20 of the Kyoto Plenipotentiary Conference.

1.5 The **Chairman** proposed that the Plenary should approve NOC S5.148 and decide to retain Resolution 8.

1.6 It was so **agreed**.

Table 10 003 - 13 410 kHz to MOD S5.163

1.7 **Approved**.

MOD S5.164 and [MOD S5.165]

1.8 The **Chairman of Working Group 4A** said that, in line with the principles which had been adopted, the Czech Republic and Zimbabwe, which appeared in square brackets in MOD S5.164 and [MOD S5.165], respectively, should be deleted.

1.9 The **delegate of the Czech Republic** urged that his country should be retained, without square brackets, in MOD S5.164. His request, which had been covered by a document submitted to the Conference and sought to achieve harmonious use of the spectrum, had the agreement of neighbouring countries.

1.10 The **delegate of Zimbabwe** strongly requested that his country should be retained, without square brackets, in [MOD S5.165]; his Administration had formulated its request at the outset of the Conference, which was to his understanding empowered to add countries to footnotes. The **delegate of Swaziland** supported the request by the delegate of Zimbabwe, stressing the difficulties facing that country since the decision, taken in 1989, not to use the band 47 - 58 MHz for television.

1.11 The **Chairman** said that the Plenary must respect the principles it had adopted, and that the decision it had taken at its previous meeting applied to all countries.

1.12 MOD S5.164 and [MOD S5.165], amended as proposed by the Chairman of Working Group 4A, were **approved**.

NOC S5.166 to NOC S5.172

1.13 Approved.

Table 68 - 75.2 MHz

1.14 The **Chairman of Working Group 4A** commented on the layout of the Table, which would be altered accordingly in the final document, and said that the reference to No. S5.175A (Region 1) should be deleted.

MOD S5.173 and MOD S5.174

1.15 Approved.

MOD S5.175 and [ADD S5.175A]

1.16 The **Chairman of Working Group 4A** said that, in the light of the principles adopted previously, Estonia should remain in MOD S5.175 and [ADD S5.175A] should be deleted.

1.17 The **delegate of Estonia**, declaring that the effects of the political changes in Estonia were within the competence of the Conference, urged that [ADD S5.175A] should be retained. The **delegate of Sweden** considered that Estonia was a special case, and supported the request of that country's delegation.

1.18 The **Chairman** said that the Conference could not accede to the request, and the **Chairman of Working Group 4A** stressed that Estonia could continue to use the frequencies allocated to it on the basis of cooperation with neighbouring countries, which were in agreement. The **delegate of Singapore** asked which conference would be able to give satisfaction to those countries which could not be added to particular footnotes now. The **Chairman of Working Group 4A** said that the items in question would be placed on the agenda of the next competent conference.

1.19 In the light of the discussion, it was **agreed** that MOD S5.175 should be approved, with Estonia retained, and that [ADD S5.175A] should be deleted.

NOC S5.176 to Table 137 - 138 MHz

1.20 Approved.

MOD S5.204

1.21 The **Chairman of Working Group 4A** proposed that, in accordance with the principles adopted, Peru should be deleted from MOD S5.204, which would thus become a NOC.

1.22 It was so **agreed**.

NOC S5.205 to NOC S5.207

1.23 Approved.

MOD S5.208

1.24 The **delegate of the United States** observed that there had been some confusion in Committee 5 between the reference to Resolution 46, which had appeared in the provision adopted by WARC-92, and the reference to No. S9.11bis. Both the references should be retained until it was known on what date they would apply.

1.25 It was so **agreed**.

ADD S5.208A and MOD S5.209

1.26 The **Chairman of Committee 5** read out amendments to the frequency bands referred to in the two provisions, in order to reflect decisions taken by Committees 4 and 5.

1.27 In reply to a query by the **delegate of Russia**, the **Chairman of Working Group 4A** explained that the addition of two more frequency bands in MOD S5.209 brought the latter into line with the table in Corrigendum 1 to Document 292(A), and concerned Region 2 only. The **delegate of Russia** reserved the right, when the Plenary considered the provisions on second reading, to return to the amendments introduced orally.

Table 138 - 148 MHz and MOD S5.210

1.28 **Approved**.

MOD S5.211

1.29 The **Chairman of Working Group 4A** proposed that "[Estonia]" should be deleted from MOD S5.211, which would thus become a NOC.

1.30 It was so **agreed**.

NOC S5.212 to MOD S5.220

1.31 **Approved**.

MOD S5.221

1.32 The **Chairman of Working Group 4A** proposed that all the square brackets should be deleted, retaining all the country names contained therein.

1.33 It was so **agreed**.

NOC S5.222 and NOC S5.223

1.34 **Approved**.

MOD S5.224

1.35 The **Chairman of Committee 5** proposed that the square brackets around the date 1 January 1997 should be deleted.

1.36 It was so **agreed**.

NOC S5.225 to (MOD) S5.235

1.37 Approved.

Table 156.8375 - 235 MHz

1.38 The delegate of Brazil drew attention to a mistake in the Region 2 column.

1.39 With that comment, the table was **approved**.

MOD S5.236

1.40 The Chairman of Working Group 4A proposed that alternative 2 should be retained, with all the remaining square brackets deleted.

1.41 The delegates of Malta and Belgium asked for their countries to be deleted. The **delegates of Israel and Monaco** asked for their countries to be included.

1.42 Alternative 2 of MOD S5.236, as amended, was **approved**.

MOD S5.237 to ADD S5.271A

1.43 Approved.

Table 430 - 470 MHz

1.44 The delegate of Indonesia, recalling on the one hand the consensus reached on the new allocations below 1 GHz, and on the other the acknowledged need for additional studies on the bands in question, stated that the proposed allocations resulted in an imbalance between the Regions: for example, in the bands 455 - 456 MHz and 459 - 460 MHz, only Region 2 had an MSS allocation. His Administration was very concerned at the fact that the Conference had not managed even to consider including, in those bands, a footnote allowing a large number of developing countries in Regions 1 and 3 to benefit from an equivalent allocation, which was essential to the handling of relief in case of floods, transport and research on tropical forests. His Administration therefore requested that the resolutions coming out of Committee 5 be studied urgently, with a view to an adequate, balanced MSS allocation in the bands below 1 GHz.

1.45 With the above statement, the table was **approved**.

NOC S5.272 to NOC S5.274

1.46 Approved.

MOD S5.275

1.47 The Chairman of Working Group 4A said that Benin, Jordan, Latvia and Uganda should be deleted. Austria should also be deleted, which meant that No. S5.283 should be retained.

1.48 MOD S5.275, as amended, was **approved**.

MOD S5.276

1.49 The **Chairman of Working Group 4A** said that Albania should be deleted, along with the square brackets.

1.50 It was so agreed.

1.51 The **delegate of Albania** said that the Plenary appeared to be torn between two principles. The first, for which he reiterated his support, consisted in adopting proposals imposed by political changes in a given country if those proposals posed no problem to its neighbouring countries. In that respect, he failed to see any reason not to adopt the Albanian proposal, as no problem had been raised by the neighbouring countries. The second principle consisted in not considering any proposals which were not related to an agenda item. He nevertheless requested that the fourteen proposals set out in the annex to Document 292(B) be considered one by one.

MOD S5.277

1.52 The **Chairman of Working Group 4A** said that Benin and Jordan should be deleted.

1.53 MOD S5.277, as amended, was **approved**.

NOC S5.278 to NOC S5.282

1.54 **Approved**.

SUP S5.283

1.55 In the light of the decision taken on MOD S5.275, it was **agreed** to retain No. S5.283.

MOD S5.284 to ADD S5.286A

1.56 **Approved**.

ADD S5.286B

1.57 The **delegate of Mexico** regretted that the wording of ADD S5.286B gave no indication that the bands 455 - 456 MHz and 459 - 460 MHz, allocated to stations in the mobile-satellite service, had in many cases been allocated on a primary basis. The Mexican Administration did not accept that the provision be interpreted as in any way allocating those bands on a secondary basis. The **delegate of Spain** supported the delegate of Mexico. The **Chairman** said that those comments would be duly noted.

1.58 Further to comments by the **delegates of France and Morocco**, the **Chairman of Committee 5** proposed that "in Regions 1 and 3" be inserted after "... stations of the fixed or mobile services". The **delegate of the United Kingdom** was puzzled why the provision should pose any problem, since No. S5.221, worded similarly, had just been approved. The **delegate of Argentina** agreed, and opposed the suggested amendment, which would imply that only Regions 1 and 3 would be protected from harmful interference caused by stations in the mobile-satellite service to stations in the fixed or mobile services.

1.59 At the proposal of the **Chairman of Committee 5**, it was **agreed** to leave ADD S5.286B unchanged.

MOD S5.287 to MOD S5.290

1.60 **Approved.**

Table 470 - 890 MHz

1.61 The **Chairman of Working Group 4A** said that the square brackets around No. S5.303 in the Region 1 column should be deleted.

1.62 The table, as amended, was **approved.**

MOD S5.291

1.63 **Approved.**

MOD S5.292

1.64 The **delegate of Argentina** having asked for his country to appear alongside Mexico and Venezuela in MOD S5.292, the **Chairman of Working Group 4A** said that the text should be aligned on No. 674 of the Radio Regulations.

1.65 It was so **agreed.**

MOD S5.293 to SUP S5.295

1.66 **Approved.**

MOD S5.296

1.67 The **Chairman of Working Group 4A** said that Albania and Liechtenstein should be deleted along with the corresponding square brackets.

1.68 MOD S5.296, as amended, was **approved.**

MOD S5.297 to MOD S5.317

1.69 **Approved.**

[MOD S5.318]

1.70 The **Chairman of Working Group 4A** said that Argentina should be deleted.

1.71 The **delegate of Brazil** asked for his country to be included.

1.72 [MOD S5.318], as amended, was **approved.**

NOC S5.319 to Table 1 240 - 1 452 MHz

1.73 **Approved.**

Table 1 452 - 1 530 MHz

1.74 The **delegate of Japan** asked that No. S5.345 be added for the band 1 492 - 1 525 MHz in the Region 3 column. The **Chairman of Working Group 4A** said that to his understanding, footnote S5.345 was now relevant to Region 2 only; he would nevertheless check.

1.75 On that understanding, the table was **approved**.

Table 1 530 - 1 545 MHz to NOC S5.341

1.76 **Approved**.

NOC S5.342

1.77 The **delegate of Japan** said that as No. S5.342 referred to Resolution 528 (WARC-92), which in turn referred to Resolution 33, it should be checked whether either of the Resolutions had been altered during the Conference. The **Chairman** said that he would do so.

1.78 NOC S5.342 was **approved**.

MOD S5.343 to SUP S5.346

1.79 **Approved**.

[MOD S5.347]

1.80 The **Chairman of Working Group 4A** said that Uzbekistan should be deleted, along with the corresponding square brackets.

1.81 [MOD S5.347], as amended, was **approved**.

MOD S5.348 to MOD S5.353

1.82 **Approved**.

MOD S5.354

1.83 The **delegate of the United States** asked for the words "..., except No. S9.13" to be inserted at the end of that provision. The **delegates of Brazil and Mexico** supported that request. The **Chairman of Working Group 4A** pointed out that the proposal would modify somewhat the substance of the provision. The **delegates of Japan, Sweden, France, Germany and the Islamic Republic of Iran** said that they needed time to give the proposal some thought.

1.84 It was **agreed** to defer consideration of MOD S5.354.

ADD S5.354A to NOC S5.358

1.85 **Approved**.

MOD S5.359

1.86 At the proposal of the **Chairman of Working Group 4A**, it was **agreed** to delete "Guinée-Bissau", the last sentence, and the square brackets around the entire provision.

1.87 The **delegate of France**, supported by the **delegate of Sweden**, encouraged administrations which had asked to be listed in the provision, or were considering doing so, to reconsider their position, since the provision urged administrations to avoid implementing new fixed-service stations in the bands 1 550 - 1 555 MHz, 1 610 - 1 645.5 MHz and 1 646.5 - 1 660 MHz.

1.88 The **delegate of Nepal** asked for his country to be deleted from the list.

1.89 MOD S5.359, as amended, was **approved**.

NOC S5.360 to NOC S5.363

1.90 **Approved**.

MOD S5.364

1.91 At the request of the **Chairman of Working Group 4A**, it was **agreed** to delete the references to the provisions of the current Radio Regulations.

MOD S5.365 to MOD S5.368

1.92 **Approved**.

MOD S5.369

1.93 **Approved**, subject to the deletion of "[China]".

NOC S5.370 to Table 1 675 - 1 930 MHz

1.94 **Approved**.

MOD S5.377

1.95 **Approved**, subject to deletion of the square brackets, and to replacement of "WARC-92" by "WRC-95" should Resolution 213 be amended.

SUP S5.378 to MOD S5.387

1.96 **Approved**.

NOC S5.388

1.97 **Approved**, subject to replacement of "WARC-92" by "WRC-95" and "NOC" by "MOD", should Resolution 212 be amended.

1.98 At the proposal of the **Chairman of Committee 5**, it was **agreed** to defer consideration of the remainder of Document 292(A) until the next meeting.

1.99 The **Chairman** invited delegates to take up the provisions of Article S5 in Document 292(B).

NOC S5.393 to MOD S5.402

1.100 **Approved**.

MOD S5.403

1.101 Approved, subject to deletion of the square brackets around the entire text and to placing the reference to Resolution 46 in square brackets.

Table 2 500 - 2 655 MHz to MOD S5.409

1.102 Approved.

MOD S5.410

1.103 Approved, subject to the deletion of "[Uzbekistan]".

(MOD) S5.411 to MOD S5.419

1.104 Approved.

MOD S5.420

1.105 Approved, subject to deletion of the square brackets around the entire text.

Table 2 690 - 3 400 MHz to MOD S5.441

1.106 Approved.

Table 4 800 - 5 725 MHz

1.107 Approved, subject to replacement of "S5.444A" by "S5.447A" under the band 5 150 - 5 250 MHz and alignment of the French on the English version for that band.

NOC S5.442 to MOD S5.455

1.108 Approved.

Table 5 725 - 7 300 MHz

1.109 Approved, subject to deletion of the reference to "S5.441" under the band 5 925 - 6 700 MHz.

(MOD) S5.456 to ADD S5.458C

1.110 Approved.

ADD S5.458D

1.111 Approved, subject to deletion of the square brackets around the last sentence.

MOD S5.459 to MOD S5.496

1.112 Approved.

Table 12.75 - 14.3 GHz

1.113 Approved, subject to the addition, at the request of the **delegate of Japan**, of footnote "S5.503A" under the band 13.75 - 14 GHz.

NOC S5.497 to MOD S5.502

1.114 Approved.

MOD S5.503

1.115 Approved, subject to the insertion of "service" between "fixed-satellite" and "space station" in the third last line of the English version.

NOC S5.504 to SUP S5.507

1.116 Approved.

MOD S5.508

1.117 Approved, subject to deletion of "[Albania]".

MOD S5.509 to NOC S5.510

1.118 Approved.

Table 15.35 - 17.7 GHz

1.119 Approved, subject to a possible editorial amendment, at the request of the **delegate of the United States**, under the band 15.4 - 15.7 GHz.

MOD S5.511 to ADD S5.511B

1.120 Approved.

ADD S5.511C

1.121 Approved, subject to replacement, at the request of the **delegate of Japan**, of "Resolution COM5-8" by "Resolution COM5-6".

MOD S5.512

1.122 Approved, subject to the addition of "Lebanon".

NOC S5.513

1.123 Approved.

MOD S5.514

1.124 Approved, subject to the deletion of "[Italy]" and the addition of "Lebanon".

NOC S5.515 to NOC S5.523

1.125 Approved.

Table 18.8 - 22.21 GHz

1.126 Approved, as amended in Document 295, approved at the previous meeting.

ADD S5.523A, ADD S5.523B and ADD S5.523C

1.127 The Chairman of Committee 6 recalled that those provisions had been replaced by ADD S5.523A, ADD S5.523B, ADD S5.523C and ADD S5.523D as contained in Document 295.

1.128 The new provisions were **approved**.

MOD S5.524 to Table 24.05 - 25.5 GHz

1.129 Approved.

Table 25.5 - 29.9 GHz

1.130 Approved, as amended in Document 295.

Table 29.9 - 31.8 GHz to NOC S5.535

1.131 Approved.

ADD S5.535A, ADD S5.535B and ADD S5.535C

1.132 The Chairman of Committee 6 recalled that those provisions had been replaced by ADD S5.535A and ADD S5.535B, as contained in Document 295. Also, the words "(see Resolution COM5-7)" should be added at the end of new ADD S5.535B.

1.133 The new provisions, as amended, were **approved**.

NOC S5.536 to NOC S5.565

1.134 Approved.

1.135 Part B of the ninth series of texts submitted by the Editorial Committee (Document 292(B)), as amended, was **approved** as a whole on first reading.

1.136 At the request of the **delegate of the Czech Republic**, the annex at the end of Document 292(B) was **noted**.

The meeting rose at 1805 hours.

The Secretary:
Pekka TARJANNE

The Chairman:
S. AL-BASHEER



GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

ELEVENTH PLENARY MEETING

Thursday, 16 November 1995, at 1920 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed

Documents

1	Ninth series of texts submitted by the Editorial Committee for first reading (B.9) (continued)	292, 303
2	Draft new Resolution on provisions applicable to frequency assignments in the non-planned bands below 28 000 kHz	285(Rev.2)
3	Tenth series of texts submitted by the Editorial Committee for first reading (B.10)	296
4	Eleventh series of texts submitted by the Editorial Committee for first reading (B.11)	297
5	Twelfth series of texts submitted by the Editorial Committee for first reading (B.12)	301
6	Thirteenth series of texts submitted by the Editorial Committee for first reading (B.13)	302
7	Fourteenth series of texts submitted by the Editorial Committee for first reading (B.14)	303
8	Fifteenth series of texts submitted by the Editorial Committee for first reading (B.15)	304
9	Note by the Chairman of Committee 6	305 + Add.1
10	Fourth series of texts submitted by the Editorial Committee for second reading (R.4)	298
11	Fifth series of texts submitted by the Editorial Committee for second reading (R.5)	299

12	Sixth series of texts submitted by the Editorial Committee for second reading (R.6)	300
13	Date of provisional application of the revised Radio Regulations	308
14	Second reading of Article S5	292A + Corr.1, 292B
15	Proposals for the work of the Conference (not examined)	Add. 1 to 34
16	Note by the Chairman of Committee 5	309

**1 Ninth series of texts submitted by the Editorial Committee for first reading (B.9)
(continued) (Documents 292, 303)**

1.1 The **Chairman** invited participants to resume consideration of the Table of Frequency Allocations (1 930 - 2 290 MHz) contained in Document 292(A), together with the relevant provisions, and also of draft Resolutions COM5-10 and COM5-11, submitted for first reading in Document 303. Following comments by the **delegates of Syria, Morocco and Algeria**, it was **agreed** to take proposals SYR/218/2, MRC/214/1 and ALG/281/1 into consideration.

1.2 The **Chairman of Committee 5** said that, since there was no disagreement on ADD S5.392A, it could be approved without debate. The remainder of the Table for those bands, the corresponding footnotes, and draft Resolutions COM5-10 and COM5-11 constituted a package prepared after lengthy discussions in Committee 5, Working Group 5B and the latter's ad hoc Group, where it had been the subject of broad agreement. Reminding participants that, at the preparation stage, only four or five delegations had expressed concerns, he called on the Plenary not to separate out the components of the package, which met the expectations of a very large number of countries.

1.3 The **Chairman** requested participants not to re-open the debate but to refer to the work of Committee 5 in order to resolve the issue, which was a delicate one for all countries as well as for the Conference itself.

1.4 The **delegate of the United Kingdom** fully endorsed the comments made by the Chairman of Committee 5. The objective, which was to protect the fixed and mobile services, was met by the package of texts prepared by Committee 5, which he approved, and in particular by draft Resolution COM5-10.

1.5 The **delegate of Mexico** said there was an urgent need to arrive at a consensus on the subject, which had already been debated at some length. In an endeavour to reach a constructive compromise, he proposed first that, in the final sentence of ADD S5.389A the phrase "and the use of the band 2 170 - 2 180 MHz in some countries of Region 2" be deleted, and second that the package of proposals set out in the Table and in draft Resolutions COM5-10 and COM5-11 be approved. He was supported by the **delegates of Honduras and Ecuador**. The latter, recalling the initial proposals EQA/69/14 and EQA/69/15 submitted by his country, said that his delegation had subsequently endorsed the proposals of the CITEL countries (Document 260). He concluded by stressing the importance his country attached to fair competition between different systems.

1.6 The **delegate of Spain** said that the package of proposals had secured broad consensus in Committee 5. Recalling the concerns voiced by her delegation, she said that the proposals represented a satisfactory compromise which should lay to rest the doubts expressed by certain delegations.

1.7 The **delegate of Syria** said that the issue of use of the 2 GHz band was the most complex one facing the Conference. Although the proposals under consideration had been tabled at committee level, they had never been properly discussed. He himself had tried without success to raise the matter in Working Group 5B, with the result that he had felt obliged to request the Chairman of Committee 5 to add his delegation to the list of those wishing to speak in Plenary. The so-called compromise could in no way be said to protect the fixed service; it merely allowed the mobile-satellite service to use the 2 GHz band. It was not so much a compromise as a deal which had been struck without regard for any opposition, to the extent that the proposal submitted by his country in Addendum 1 to Document 218 had not even been studied. As a result, he could not approve the proposals submitted to the Plenary in the documents in question.

1.8 The **delegate of Sweden** said that that position had already been stated in Committee 5, where all the arguments both for and against had been presented in detail. A large majority had already accepted the proposals, and the time had now come to close the debate.

1.9 The **delegate of Algeria** said that the issue was a very thorny one. Although the majority of developing countries had endorsed draft Resolution COM5-7 in Document 249, most of the African countries had felt, when that document had been associated with the proposals in Document 278, that what they had been given with one hand was being taken away with the other. The supposed compromise was not a satisfactory solution, which was why a large number of delegations were insisting that the Table of Allocations for the 2 GHz band should be accompanied by footnotes. He personally could not approve the terms of *resolves* 5 and 7 of draft Resolution COM5-10 (Document 303), as he had no faith in the philanthropy of operators and knew that the aid which was portrayed in glowing colours to the developing countries was inevitably tied. He hoped that the Conference could be made to realize what was the actual room for manoeuvre of all the parties to the discussion, and that the developing countries would receive greater assistance from the ITU and, in particular, the BDT, whose limited resources were unfortunately inadequate to help fund their networks and systems. While he could make an undertaking in respect, for example, of *resolves* 4.1, 4.2 and 4.3 of draft Resolution COM5-10, he could not agree to *resolves* 3 as his delegation wished to see the date of entry into service of the notified fixed service stations deferred until 1 January 2005. Otherwise, it would be compelled to request the inclusion of footnotes in the Table of Frequency Allocations concerning the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz.

1.10 The **delegate of Cuba** considered that the compromise referred to by the Chairman of Committee 5, while not wholly satisfactory, nonetheless provided the basis for establishing a common criterion. The package of proposals offered sufficient guarantee that the fixed and mobile services would be protected, even beyond the year 2005, particularly bearing in mind the provisions of Resolution 46. He therefore endorsed the proposals which, while they did not provide an ideal solution, were the best that could be achieved.

1.11 The **delegate of Nigeria** endorsed the delicate compromise reached by Committee 5, as the package of proposals seemed to him to guarantee full protection for the fixed and mobile services. The concerns expressed by his country, which had a large number of fixed service links in the 2 GHz band, had been met by the proposals in Documents 292(A) and 303, and he called on all participants to support the compromise solution.

1.12 The **delegate of Egypt**, with a view to protecting his country's fixed and mobile services in the 2 GHz band, requested that the following footnote be inserted in respect of the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz of the Table: "In Egypt, the use of the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz by the mobile-satellite service shall not cause harmful interference to the fixed and mobile services, constrain the development of those services or alter their technical status."

1.13 The **delegate of Germany**, recalling the protracted discussions in the course of which all views had been aired, said that the proposed compromise solution guaranteed the protection of fixed service systems throughout their operational life. Urging participants not to make excessive use of footnotes, he approved the proposed compromise. The **delegate of the United States**, mindful of the urgent need to protect existing systems, also supported the compromise, subject to a number of editorial amendments which she would propose to Resolution COM5-11 in Document 303.

1.14 The **delegate of Swaziland**, having studied closely draft Resolution COM5-7 in Annex 1 to Document 249, questioned the feasibility of implementing the provisions of *resolves* 2. He would nonetheless have been willing to accept the draft Resolution, had not the proposals in Document 278 re-opened the entire issue. As those proposals amounted to excluding from the band concerned all systems other than those of the first occupant, he could not approve the contents of draft Resolution COM5-11.

1.15 The **delegate of Tanzania** said that, while the proposals under consideration might not provide the perfect solution, they nonetheless constituted an indissociable whole. His country, which was one of the least developed countries, took its commitments seriously. Those advocating compromise were undertaking to adhere to the principle of protection for existing fixed and mobile services, and it was with that in mind that he was supporting the package of proposals, in the mutual interests of the negotiating parties, and subject to two editorial corrections which he wished to see made to draft Resolutions COM5-10 and COM5-11 as set out in Document 303.

1.16 The **delegate of France** supported the proposed compromise, which would protect the investments made in systems whose operational life extended well beyond the year 2005.

1.17 The **delegate of Kenya** said that he was willing to approve Resolution COM5-10, but considered that the development of mobile-satellite services must not be allowed to harm terrestrial services. Resolution COM5-11 needed to be discussed in greater detail and called for some degree of amendment.

1.18 The **Chairman** recalled that a large majority of the delegations in Committee 5 had approved the latter's conclusions. He noted that, while some delegations regarded the protection offered to existing services as adequate, others did not. The former would have no difficulty in accepting the compromise; those wishing to make amendments could do so, provided the changes were only minor. He called on those delegations which could not agree to the compromise to state their reasons.

1.19 The **delegate of Saudi Arabia** said he saw no justification for inserting footnotes in the Table. Resolution COM5-11 ran counter to Resolution COM5-10 to some extent and should be brought into line with it. His delegation was willing to accept the proposed compromise in the interests of all the participants.

1.20 The **Chairman** proposed that the meeting should approve the compromise in principle and that the delegations concerned should endeavour, through informal consultations, to resolve the points in dispute and draw up a new text aligning Resolution COM5-11 with Resolution COM5-10. The **delegate of Algeria** said that if the inclusion of footnotes was accepted, his delegation would agree to the proposed compromise. The **Chairman** expressed the hope that once the wording of the Resolutions had been improved it would no longer be necessary to use footnotes.

1.21 The **delegate of Syria** said that any compromise, to be acceptable, had to be balanced. That was not the case of the one under discussion, which overlooked certain services.

1.22 Following informal consultations, the **Chairman of Committee 5**, with reference to Resolution COM5-11, proposed deleting from *considering* d) the words "including in those bands allocated to the MSS", spelling out the abbreviation PCS in *recognizing* c) and amending the final part of the *resolves* paragraph to read: "with a view to harmonizing in the long term, if necessary, common, primary worldwide MSS allocations in the 2 GHz range, having due regard for the continuing protection of existing terrestrial services". It would also be necessary to amend the

instructs the Director of the Radiocommunication Bureau paragraph, as it was not for the Director to place such issues on the agenda of WRC-97.

1.23 Resolution COM5-11, as amended, was **approved**.

1.24 With reference to Resolution COM5-10, the **delegate of the United Kingdom** proposed a new *considering* a), to read: "that WARC-92 allocated the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz for the mobile-satellite service with a date of entry into force of 1 January 2005, these allocations being co-primary with existing fixed and mobile service allocations;".

1.25 The **Chairman of Committee 5** added that the new *considering* a) would replace the old text, which would become *considering* a)bis and to which the words "or 1 January 2005, in accordance with the provisions of Nos. S5.389A, S5.389C and S5.389D of the Radio Regulations, as adopted by this Conference" should be added after "of 1 January 2000". In addition, in *resolves* 5, the words "and address" should be added after "should take into account". Finally, as proposed by the delegate of Mexico, the words "and the use of the band 2 170 - 2 180 MHz in some countries of Region 2" in the final part of the last sentence of footnote ADD S5.389A should be deleted.

1.26 It was so **agreed**.

1.27 The **delegate of Syria** having observed that the adjective "existing" could mean that the rights of countries like Syria would no longer be safeguarded after the year 2005, the **Chairman of Committee 5** proposed specifying that the reference was to existing allocations rather than existing services. The **delegate of Saudi Arabia** considered such clarification to be important, but proposed deleting the adjective "existing" altogether, in order to remove any ambiguity.

1.28 It was so **agreed**.

1.29 Resolution COM5-10, as amended, was **approved**.

1.30 The **delegate of Algeria**, after expressing the view that the amendments to the *considering* section of Resolution COM5-10 did nothing to alter the provisions of the *resolves* section, and therefore left the services in his country unprotected, reiterated his request for his country's proposed footnote (ALG/281/1) to be included as new provision ADD S5.389F and with reference to the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz of the Table.

1.31 The **delegates of Syria, Egypt, Mali and Benin** endorsed the proposal and requested that their countries be included in the footnote, which already mentioned Cape Verde and Tunisia.

1.32 The **delegate of Spain** considered that the footnote proposed by Algeria fell outside the scope of the overall compromise that had been negotiated and was, moreover, superfluous. The **delegate of the United Kingdom** added that it ran counter to the decision taken in respect of ADD S5.389A.

1.33 The **Chairman** said that proposal ALG/281/1 should be considered, since the adoption of an overall compromise did not mean that points of major concern to some delegations should be overlooked. The amendments to Resolutions COM5-10 and COM5-11 had been motivated by a desire to keep the number of footnotes as small as possible, and the results achieved in that regard were far from negligible since the compromise was acceptable to the overwhelming majority of delegations. Given that Algeria and the six countries which endorsed its proposal were maintaining their position and that the protection of national services was a sovereign right of countries, the Conference might wish to approve the amendment in question, consisting of including the proposed footnote in Article S5.

1.34 It was so **agreed**.

1.35 The **delegate of Brazil** said that he would forward to the secretariat a text concerning use of the bands 2 170 - 2 180 MHz and 2 020 - 2 025 MHz. The **delegate of Argentina** requested that his country be included in footnote S5.389B.

1.36 The ninth series of texts submitted by the Editorial Committee as a whole, as amended, was **approved** on first reading.

2 **Draft new Resolution on provisions applicable to frequency assignments in the non-planned bands below 28 000 kHz (Document 285(Rev.2))**

2.1 The **Chairman of Committee 4** drew attention to the draft new Resolution on provisions applicable to the frequency assignments in the non-planned bands below 28 000 kHz set out in Document 285(Rev.2). The aim of the draft Resolution was to facilitate the work of the Radiocommunication Bureau and he suggested that the text should be noted, pending detailed examination of Article S11. The new draft incorporated a revised text; it was not the text extracted from Document 21, as erroneously stated in Document 285(Rev.2).

2.2 Document 295(Rev.2) was **noted**, with an editorial correction indicated by the **delegate of the United States**.

3 **Tenth series of texts submitted by the Editorial Committee for first reading (B.10) (Document 296)**

Appendix S2

3.1 **Approved**.

Appendix S3

3.2 **Approved**.

Appendix S4

3.3 The **delegate of Canada** suggested that the square brackets around the list of new data elements in item A.4 b) 5) of Annex 2A should be maintained, pending discussion of Resolution 46.

3.4 It was so **agreed**.

3.5 Responding to a question by the **delegate of France**, the **Chairman of Committee 4** explained that there was no mention of Region 2 under item A.9 in Annex 2A because that item related to Appendix 30 in which, in his understanding, the frequency Plan for the broadcasting-satellite service only concerned service areas in Regions 1 and 3.

3.6 Replying to a point raised by the **delegate of Germany**, the **Chairman of Committee 4** said that the square brackets around item B.4 b) in Annex 2A should be maintained pending consideration of Resolution 46, as the reference to No. S9.11bis concerned a text that would be established in parallel with Resolution 46.

3.7 The **delegate of France** understood the need to retain the square brackets until decisions had been taken on Resolution 46 but considered that item B.4 as a whole referred to all space

stations, not only non-geostationary ones. The **delegate of the United States** having suggested the deletion of the entire text shown in square brackets, the **delegate of India** recalled that the text in question had been drawn up following discussions in the CPM, as well as in Committees 4 and 5, to deal specifically with non-geostationary space stations. He therefore wished to retain the text as it stood.

3.8 The **Chairman of Committee 4** confirmed that, according to his information, the text emanating originally from the CPM was applicable specifically to non-geostationary space stations. As the wording depended on the decisions to be taken on Article S9, in particular No. S9.11 bis, and Resolution 46, he suggested that it should be left as it stood, in square brackets, until decisions had been taken on Article S9 and Resolution 46, when the text in Document 296 could be amended as a consequence.

3.9 It was so **agreed**.

3.10 The **delegate of Syria** requested clarification of the footnote to item C.8 a) in Annex 2A, concerning maximum power density. In his view, the phrases "most recent version" and "to the extent applicable" were imprecise. The **delegate of Morocco** added that administrations receiving such information would not know on what basis the calculations had been made.

3.11 The **Chairman of Committee 4** stressed that the footnote would not form part of the regulatory text of the Radio Regulations but simply provided information for reference. In the past, administrations had been obliged to rely on CCIR reports as a basis for calculating maximum power density; the footnote drew attention to a Recommendation that could be used instead. Any dispute arising over the way in which the calculation should be carried out could be discussed during the coordination process. He suggested that the footnote should be maintained as it stood.

3.12 It was so **agreed**.

3.13 The **delegate of Israel** pointed out that item C.8 i) in Annex 2A should refer to the case of an "earth" station submitted in accordance with Appendix S30A, not a "space" station. Following a similar comment by the **delegate of Malaysia**, the **delegate of Luxembourg** said that the reference to "space" station was however correct in item C.9 b).

3.14 The **delegate of Israel**, pointing out that section C.12 in Annex 2A was concerned with the "wanted" signal, suggested that the second sentence should be amended accordingly. The **delegate of Germany** supported that comment, but the **delegate of the United States** considered that the text was correct as it stood. The **delegate of Syria** said that the text about which doubts had been expressed should be placed in square brackets, and agreed with the **Chairman of Committee 4** that making changes in haste might result in mistakes.

3.15 The **Chairman of Committee 4** further observed that it was not within the scope of the present Conference to change the regulatory provisions of Appendices 30, 30A and 30B. The Annexes to those Appendices listed the information to be provided for the notification of satellite networks. In his opinion it would be preferable to follow the guidance of the existing Radio Regulations, in particular with respect to the text to be included in Annex 2A.

3.16 The **delegate of Israel** stressed that the text of Annex 2A was not regulatory in character and should be technically correct.

3.17 The **Chairman** said that hasty technical changes should be avoided, and thus suggested that the text should be maintained as it stood in Document 296.

3.18 It was so **agreed**.

3.19 The tenth series of texts submitted by the Editorial Committee (B.10) (Document 296), as amended, was **approved** as a whole on first reading.

4 Eleventh series of texts submitted by the Editorial Committee for first reading (B.11) (Document 297)

Article S8

4.1 The **delegate of Morocco** said that the VGE had worked very hard for three years to develop the standard procedures in Articles S8, S9 and S11 without, as far as was practicable, introducing any changes into the existing procedures. The existing procedures were numerous and complex. As the work of the VGE had shown, simplifying them was equally complex. He therefore wished to place on record his serious concern at attempts by the Conference to modify the text proposed by the VGE and reserved his right with regard to any such modifications.

4.2 The **delegate of Saudi Arabia** recalled the discussion in Committee 4, where several administrations had expressed their reservations concerning a proposal to delete No. S8.2. Despite the explanation given in Committee 4, he was not convinced that the provisions of No. S8.2 were fully preserved elsewhere in the text of the simplified Radio Regulations, and therefore proposed that No. S8.2 should be maintained.

4.3 The **delegate of Morocco** stressed that the task of the Conference was the simplification of the Radio Regulations, not their modification. The proposal to suppress No. S8.2 was just one example of an action that went beyond that mandate. What was at stake was not simply the suppression or addition of a provision, but the whole ITU system of international management of the spectrum and orbit. At present, assignments in conformity with the Radio Regulations enjoyed international recognition; coordinated assignments - agreed essentially on a bilateral basis - did not have to be recognized by the international community; and plans, being approved by the whole membership, enjoyed the right to international protection. The effect of deleting No. S8.2 would be to give all those three categories of assignments international recognition under No. S8.3, depriving plan assignments of the international protection to which they were legally entitled. Such an outcome was tantamount to the destruction of the international system of frequency assignment. He therefore opposed the deletion of No. S8.2 and proposed that the following text should be retained as No. S8.2: "A frequency assignment shall have the right to international protection from harmful interference when it is recorded in the Master Register with the indication that it is in accordance with a frequency allotment or assignment plan adopted by a conference or as modified following successful application of the procedure for modification of the relevant plan. This protection shall be afforded to allotments or assignments appearing in a world or a regional plan, to the extent provided by these Regulations and the relevant agreement. In the case of a regional plan, such protection shall be limited to the countries which are parties to the relevant regional agreement; relations between parties and non-parties are governed by the provisions of these Regulations."

4.4 The **delegates of Mali, Oman, and Kenya** agreed with the delegate of Morocco that No. S8.2 should be maintained.

4.5 The **Chairman of Committee 4** recalled that SUP S8.2 and MOD S8.3 had been the subject of considerable debate in Committee 4 and that, while agreement had been reached on the deletion of No. S8.2, he had undertaken to bring to the attention of the Plenary Meeting the fact that some dozen delegations had expressed formal reservations in that regard. He observed that the Conference agenda permitted not only consideration of the VGE Report but also of related

proposals from administrations. The question was not simply one of reinstating No. S8.2 but also of considering all the significant consequences.

4.6 The **Chairman of Drafting Group 4B2** said that the Drafting Group had had problems with the text proposed by the VGE, in particular in ensuring consistency between Articles S8, S9, S11 and S13, and that the deletion of No. S8.2 had been a compromise solution to overcome those difficulties.

4.7 The **delegate of Russia** recalled that the status of frequency assignments had been debated at length by the VGE without reaching unanimity; indeed, the text of Article S8, as proposed by the VGE, had been finalized after the last meeting of the VGE. Drafting Group 4B2 had done excellent work in grouping provisions in order to produce a clear and simple text which overcame the inconsistencies created by the existence in the VGE text of both international protection and international recognition. He therefore called for approval of Article S8 as it stood in Document 297 (B.11). The **delegate of France** fully endorsed those remarks.

4.8 Having called for an informal indication of views, the **Chairman** said that the majority appeared to be in favour of the deletion of No. S8.2.

4.9 The **delegates of Saudi Arabia and Kuwait** wished to place on record that they strongly opposed the deletion of No. S8.2.

4.10 The **delegate of Morocco** said that the deletion of No. S8.2 would not only undermine the value of plans but would change the role of the ITU, discarding its responsibility for regulating a common resource and turning it into an administrative office for recording assignments. Those who had the power to use space would have full authority over the spectrum. All delegations should have the opportunity to express their views on such an important matter. He therefore called for a roll-call vote in accordance with the Convention.

4.11 The **delegates of Algeria, Saudi Arabia, Zimbabwe, Tanzania, Senegal, the Islamic Republic of Iran, Lebanon and Mexico** supported the delegate of Morocco.

4.12 The **delegate of China** said that SUP S8.2 constituted a change in the substance of the Radio Regulations, not merely a simplification, and thus exceeded the competence of the Conference. He wished that view to be placed on record.

4.13 The **Chairman of Committee 4** said that reinstating No. S8.2 would not, as some delegations appeared to assume, mean simply reverting to the current Radio Regulations. Under the existing Regulations, the right to international protection was limited to very few cases, particularly specific high-frequency bands, following technical examinations carried out by the Radiocommunication Bureau. For space plans, assignments and allotments were only afforded international recognition. The text of No. S8.2, as proposed by the VGE, had broadened the scope of international protection, well beyond the letter of the existing Radio Regulations. Furthermore, the content of No. S8.2 would have a bearing on at least two other articles of the simplified Radio Regulations, which had yet to be considered by the Plenary Meeting.

4.14 The **Chairman** said that he had hoped to resolve the matter without resorting to a formal vote. However, having regard to the Convention and noting that at least two delegations had requested a roll-call vote, he invited the Secretary of the Plenary Meeting to call the roll in the alphabetical order of the French names of the Members present and entitled to vote. A vote in favour would denote acceptance of the text as it stood in Document 297 (B.11) and thus the suppression of No. S8.2, while a vote against would indicate opposition to SUP S8.2 and a wish to retain the text read out by the delegate of Morocco.

4.15 The vote was taken by roll-call. The results were as follows:

In favour: Germany, Armenia, Australia, Austria, Belarus, Belgium, Brazil, Bulgaria, Canada, Cyprus, Republic of Korea, Croatia, Denmark, Spain, Estonia, United States, Finland, France, Greece, Hungary, Ireland, Iceland, Israel, Italy, Japan, Latvia, The Former Yugoslav Republic of Macedonia, Liechtenstein, Luxembourg, Micronesia, Norway, New Zealand, Netherlands, Poland, Portugal, Slovakia, Romania, United Kingdom, Russia, Slovenia, South Africa, Sweden, Switzerland, Thailand, Tonga and Ukraine.

Against: Algeria, Saudi Arabia, Argentina, Bahrain, Brunei Darussalam, Chile, China, Cuba, Djibouti, Egypt, United Arab Emirates, Ecuador, Ethiopia, Ghana, India, Indonesia, Islamic Republic of Iran, Jordan, Kenya, Kuwait, Lesotho, Lebanon, Malaysia, Morocco, Mexico, Moldova, Oman, Uganda, Pakistan, Papua New Guinea, Philippines, Qatar, Syria, Democratic People's Republic of Korea, Senegal, Singapore, Swaziland, Tanzania, Tunisia, Viet Nam, Zambia and Zimbabwe.

Abstention: Turkey.

4.16 The **Secretary of the Plenary Meeting** announced that, of 126 administrations with the right to vote, 37 were absent.

4.17 The proposal to suppress No. S8.2 was **approved** by 46 votes to 42, with one abstention.

4.18 The **delegate of Saudi Arabia** said that the results of the vote indicated a clear division of opinion. The technologically advanced countries were evidently unwilling to take account of the concerns of the developing countries. Many of the absentees were delegations of developing countries; if those delegations had taken part in the vote, the results might well have been different. He asked for those remarks to be recorded in the minutes of the meeting.

4.19 The **delegate of Lebanon** wished it to be placed on record that he supported the remarks made by the delegate of Saudi Arabia and accordingly considered that the results of the vote should be set aside.

4.20 The **Chairman** observed that voting had been in accordance with the Convention and confirmed that the majority had been in favour of retaining the text as it appeared in Document 297 (B.11).

4.21 The **delegate of Algeria** wished it to be recorded in the minutes that, in the space of a few minutes, ITU had gone through a highly delicate phase in its existence. He regretted the fact that, as at WARC-92, important and sensitive issues had been left until the very end of the Conference. While bowing to the decision of the Plenary, he wished to stress that small delegations had, materially and humanly, been unable to cover the whole of the Conference, being at a disadvantage vis-à-vis the larger delegations. He observed that when the developed countries sought the support of the developing countries they generally obtained it, as reflected by the debates on at least two important issues: unfortunately the contrary did not apply, which ran counter to ITU's mission to promote international cooperation. He voiced strong reservations concerning Article S8 and reserved the right to return to that issue at WRC-97.

4.22 The **delegate of Morocco** supported the statement by the delegation of Algeria. His delegation would make a declaration to be included in the Final Acts of the Conference. The **delegates of Lebanon, Bahrain, Syria, Saudi Arabia, Kuwait, Oman and Jordan** supported the Algerian statement and expressed reservations concerning the deletion of No. S8.2.

4.23 The **delegate of Senegal**, regretting that the effect of the vote had been to create a psychological cleavage in the assembly, observed that had it taken place earlier in the evening, the results would have been different.

4.24 The **delegate of Cameroon** expressed regret that, having been obliged to be absent for consultations, his delegation had been unable to take part in the vote.

4.25 Referring to MOD S8.3, the **delegate of Morocco**, supported by the **delegates of Lebanon, Kuwait, Oman, Jordan, Algeria and Saudi Arabia**, observed that it was indicated in the second sentence of the provision that the assignments in question would merely be taken into account by administrations when making their own assignments, in order to avoid harmful interference. However, assignments under Nos. S11.34 and S11.41 were entitled to a higher degree of protection under the Allotment Plan. He therefore proposed to retain only the reference to No. S11.31 and to delete the references to Nos. S11.34 and S11.41, in order to avoid contradiction between No. S8.3 and other provisions of the Radio Regulations.

4.26 The **delegate of France** expressed regret that a vote on No. S8.2 had been necessary, as it left a feeling of unease and division, which he felt gave a false picture of the situation. The suppression of No. S8.2 had not been intended to deprive certain administrations of their rights, but to ensure consistency throughout the simplified Regulations. If the result of the vote had been different, all the work done to achieve harmonization of procedures for the benefit of all Members of the Union would have been jeopardized. Nos. S8.2 and S8.3 were general provisions which did not have any special impact on the rights and obligations of Members, which depended on the application of specific procedures. Regarding No. S8.3, he was unable to support the Moroccan proposal as it would affect the overall coherence of the Articles in question.

4.27 The **delegate of the United States** was unable to support the Moroccan amendment. His Administration also had operations in conformity with the Allotment Plan and wished them to have recognition through the application of No. S8.3. He was thus in favour of maintaining the text of No. S8.3 as it stood, with removal of the square brackets.

4.28 The **delegate of Russia**, recalling the excellent work done by Drafting Group 4B2 towards resolving inconsistencies between the nature of assignments and their status in terms of protection from harmful interference, pointed out that the text as a whole had been drafted on the assumption that No. S8.2 was deleted. He was therefore in favour of maintaining of No. S8.3 as it stood. The **delegates of Spain and Israel** endorsed that view.

4.29 The **delegate of Zimbabwe** said that he was unclear as to the exact nature of the inconsistency referred to by those who opposed the Moroccan amendment.

4.30 The **delegate of Algeria** pointed out that No. S11.41 concerned cases of assignments entered provisionally in the Master Register but nevertheless causing interference. The deletion of No. S8.2 meant the removal of protection of many assignments which were in conformity with the Radio Regulations and thereby had a right to protection. It was now proposed to give recognition to assignments entered provisionally, thereby conferring on them the same status as those covered by the Allotment Plan, despite possible harmful interference. He therefore supported the Moroccan proposal to limit the references in square brackets to No. S11.31. He also considered that the distinction between international recognition and international protection should be clearly defined.

4.31 The **Chairman of Drafting Group 4B2** said that if the reference to No. S11.34 was deleted, it would seem that plans and assignments in conformity with the plans would have no status, because they would not be covered by No. S8.3. He suggested replacing the phrase

"international recognition" by the phrase "protection from harmful interference", to link up with the references to Nos. S4.2 and S4.3 in the second sentence.

4.32 The **delegate of Russia** considered that that proposal might be a compromise solution, whereas the **delegate of Morocco** did not agree with the proposal, as all cases would be covered by a single reference to No. S11.31.

4.33 The **delegate of Syria** recalled that it had been suggested in Committee 4 that, owing to the lack of time and divergence of opinions, certain controversial issues should be taken up again at WRC-97.

4.34 The **Chairman of Committee 4** said that Committee 4, with able assistance from working and drafting groups, had produced texts of every article of the simplified Radio Regulations and all relevant appendices and annexes. Any reference to incomplete work had related to a small number of outstanding resolutions on which decisions of principle had been taken, pending final drafting of the texts, and a few areas of cross-referencing and consequential changes. Much dedicated work had been undertaken to draft texts in an open and democratic manner. Committees and working group meetings had been well attended, also by representatives of some of the countries which were now raising objections. If the present slow rate of progress continued, the Conference would fail. There was a great deal of interaction between the texts and if one brick was removed, the whole edifice would crumble. It was possible that if agreement could be reached concerning the date of provisional application of those procedures, certain issues could be reconsidered at a future date, but if the work was to be fundamentally reviewed, WRC-97 would not succeed either. The **delegate of Spain** endorsed the views of the Chairman of Committee 4.

4.35 The **delegate of Morocco** said that it had been impossible to avoid certain issues being raised in Plenary. Countries like his own had lost part of their rights by the deletion of No. S8.2 and were now being asked to lose all their rights. His delegation considered that the failure of the Conference was preferable to the loss of those rights.

4.36 The **delegate of Turkey** said that the credibility of ITU would be jeopardized by the failure of the Conference. Speaking as a member of the only delegation which had abstained in the vote, he appealed to delegations to consider approving the vast amount of work already done by Committee 4 and to bring the issue back to WRC-97 for review, if the need to retain those provisions in the Radio Regulations became evident.

4.37 The **delegate of Australia** said that he could not support the Moroccan proposal because all remaining provisions would have to be changed in consequence and the whole structure of the document pulled apart. As the best experts, not only of Member administrations but also of the Radiocommunication Bureau, had put in a great deal of effort to produce the texts, a piecemeal approach was unacceptable to his delegation.

4.38 The **Chairman** said that the only way to progress was to take account of administrations' views, and he could not accept that texts submitted to the Plenary had to be adopted as a whole, without amendment.

4.39 The **Chairman of the Radio Regulations Board** suggested a compromise wording, namely to insert the phrase "in accordance with the respective provisions" after the words "international recognition" and to replace the last part of the second sentence by the words "shall see to it to avoid harmful interference when making their own assignments".

4.40 The **delegate of the United States** said that, if it would help progress, he would not insist on maintaining his position regarding No. S8.3.

4.41 The **delegate of Morocco**, stressing the vital importance for countries' rights not only of No. S8.3, but also of many other provisions in Articles S8 and S11, agreed with the delegate of Turkey that that part of the Radio Regulations should be reviewed in 1997. The **delegate of Algeria** suggested the insertion of a note to that effect.

4.42 In the light of the discussion, the **Chairman** took it that No. S8.3 could be approved as it stood, on the understanding that Articles S8 and S11 as a whole should be reviewed at WRC-97.

4.43 It was so **agreed**.

4.44 The **Chairman of Committee 6**, in view of the time constraints in relation to preparation of the Final Acts, sought guidance on the procedure for first and second reading of the documents before the Plenary.

4.45 The **Chairman** said that with regard to the documents which had not yet received their first reading the only practical solution was to treat the first reading as also the second reading. Documents which had already been read in first reading would receive a second reading, which would of necessity have to be very rapid.

Article S9

4.46 The **Chairman of Committee 4** said that the square brackets around the footnote reference 4 in the title, MOD S9.1 and (MOD) S9.1.1 should be removed; the reference at the end of MOD S9.2 should read COM4-6; and the square brackets around ADD S9.3.1bis and SUP S9.3.1 should be removed. The **delegate of Japan** said that there should be a reference number "1" in ADD S9.3.1bis, to indicate that it referred to "terrestrial stations" in MOD S9.3.

4.47 The **delegate of Morocco** said that the deletion of No. S9.6.2 meant that systems which were brought into operation prior to coordination would no longer have a defined status, unless the matter was covered elsewhere. The **Chairman of Drafting Group 4B2** said that the point was covered in Article S7, under ADD S7.5 bis.

4.48 The **Chairman of Committee 4**, replying to the **delegates of Zimbabwe and New Zealand**, said that the square brackets around NOC S9.49 and in MOD S9.52 should be removed. Replying to the **delegate of Israel**, he said that the language in MOD S9.52 "does not agree to the request for coordination" was a standard formulation similar to that in the existing Article 11, RR 1084.

4.49 The **delegate of Morocco** wished it to be placed on record that a number of important elements were detrimental to the interests of the developing countries. Firstly, in respect of No. S9.36.1, only the Bureau was in a position to identify administrations which might be affected. Secondly, prior to its deletion No. S9.39 had provided that the BR should send a telegram to inform all administrations. Finally the suppression of S9.56 and S9.57 was also regrettable.

4.50 In response to a further comment by the **delegate of Morocco** concerning deletion of the word "recorded" in No. S9.5A, the **Chairman** feared that the proposed amendment might affect the substance. The **Chairman of Committee 4** said that provided that it was only an editorial matter, it would be taken into account.

4.51 Article S9, as amended, was **approved**.

Article S22

4.52 The **Chairman of Committee 4** said that his Committee had agreed to retain the substance of MOD A.S22.1, subject to inclusion of a cross-reference to the definition of "accepted interference" in Article 1; the square brackets should thus be deleted and the words "(see No. S1.168)" inserted.

4.53 The **Chairman of Committee 5**, responding to clarification sought by the **delegate of Canada**, said that in ADD S22.5bis band 12 750 - 13 250 MHz should be deleted and the square brackets removed.

4.54 Article S22, as amended, was **approved**.

Article S23

4.55 **Approved**.

Article S24

4.56 **Approved**.

Article S26

4.57 The **delegate of New Zealand** said that the first reference to "standard" in NOC S26.4 should be deleted.

4.58 Article S26, as amended, was **approved**.

Article S27

4.59 **Approved**.

Article S28

4.60 **Approved**.

Article S29

4.61 **Approved**.

4.62 The eleventh series of texts submitted by the Editorial Committee (B.11) (Document 297), as amended, was **approved** as a whole on first reading.

4.63 Following a request for clarification from the **delegate of Greece**, the **Chairman** confirmed that the articles identified for review at WRC-97 were Articles S8 and S11.

5 Twelfth series of texts submitted by the Editorial Committee for first reading (B.12) (Document 301)

Resolution 46 (Rev.WRC-95)

5.1 The **Chairman of Committee 4**, drawing attention to the date in square brackets in *resolves* 3 and elsewhere, said that the intention was that the interim procedures would come into

immediate effect, from the date of signing; 17 or 18 November 1995 would be inserted, accordingly.

5.2 The **Chairman** suggested that Resolution 46 should be approved, subject to inclusion of the appropriate date of application of the interim procedures.

5.3 It was so **agreed**.

Annex 1 to Resolution 46 (Rev.WRC-95)

5.4 Replying to the **delegate of France**, the **Chairman of Committee 4** said that the square brackets had been left around the word "shall" pending completion of related work by Committee 5. He now suggested that all the square brackets should be removed.

5.5 The **delegate of the United States** said that the suggestion was not acceptable. He preferred that the provision of the information should not be mandatory, and therefore the word "should" should be retained. The Resolution had been in effect since March 1992 with the three items shown as deleted in Document 269, under A.3. The remainder were either superfluous or difficult to obtain.

5.6 The **delegate of France** said that some of the parameters set out in A.3 were optional, while some were essential for determining the need for coordination. It would therefore be necessary to decide in each case whether or not the information should be mandatory or optional. That view was supported by the **delegate of the United Kingdom**, who underlined that the provisions had been studied for several months and were accepted as provisional, for the purpose of further studies.

5.7 The **delegate of Algeria** could not accept the removal of the word "shall", which would make the provision of all information discretionary. He suggested that the list of information parameters should be divided into two, those which were mandatory and those which were optional.

5.8 The **Chairman of Committee 4** wondered if the problem could be solved by inserting after "shall" the words "to the extent possible". It was highly desirable to have the maximum amount of information, but it might not always be possible to provide all of it. If the word "should" was too soft, the use of the word "shall" subject to the qualification might be acceptable.

5.9 The **delegate of France** said that he could not accept that solution, and the **delegate of Germany** also preferred to retain the word "shall", since information was needed as a basis for coordination. However, not all the points needed to be mandatory, and therefore they should be considered individually.

5.10 The **delegate of Morocco** said that to examine the individual items would require a great deal of time. As the annex was, in a sense, experimental, and WRC-97 would probably subject it to further review, he proposed the use of the word "shall". The decision on whether or not the various elements should be mandatory would be made later.

5.11 The **delegate of the United States** said that he could agree with the suggestion of retaining the word "shall" qualified by "to the maximum extent possible", on an interim basis pending review in 1997.

5.12 The **Chairman** asked the meeting to indicate whether it could accept the proposal by the Chairman of Committee 4 to include the words "to the extent possible" after the word "shall".

5.13 The **delegate of Algeria**, speaking on a point of order, said that the proposal by the delegate of Morocco, which allowed for the possibility of WRC-97 reviewing the provision, had amended

the proposal by the Chairman of Committee 4. The meeting should therefore first decide on the proposal of the Chairman of Committee 4 as amended by the delegate of Morocco.

5.14 The **Chairman**, after taking the sense of the meeting, noted that the majority were in favour of retaining the word "shall". He therefore suggested that the square brackets should simply be removed.

5.15 It was so **agreed**.

5.16 The **delegate of Turkey** said that in A.3 vii), the phrase "non-GSO satellites" should be replaced by "non-GSO satellite systems", and at the end of Ωj , the word "equator" should be replaced by "equatorial plane".

5.17 The **delegate of Israel**, drawing attention to the square brackets in MOD 1.2, said that the reference to the appropriate resolution should be inserted.

5.18 The **Chairman of Committee 4** said that MOD 2.5.3 needed to be amended in order to accommodate concerns expressed by a number of delegations. The amended text would read "either recorded in the Master Register, or notified to the Bureau without any coordination in those cases when the provisions of paragraph 2.5.8 apply, or coordinated under the provisions of this Section or Section II of Article 11, or received by the Bureau prior to 18 November 1995 for notification in cases where coordination was not required as of the date of receipt of the notice, or".

5.19 The **Chairman of Drafting Group 4B2**, replying to a request for clarification by the **delegate of Germany**, said there had been a concern that some systems would have been communicated to the BR for notification but not yet recorded in the Master Register. The intention was to allow them to be taken into account by future systems covered by Resolution 46.

5.20 Following a comment by the **delegate of Syria**, the **Chairman of Committee 4** said that the missing text under 2.5 should be a title in italics reading "Assignments to be taken into account".

5.21 The **Chairman** suggested that the square brackets around 2.8.1 and 2.8.2 should be deleted. Replying to a suggestion by the **delegate of Mexico** concerning 2.8, he pointed out that the word "promptly" was used already in the Radio Regulations and should be retained.

5.22 The **delegate of Mexico** said he would have concerns about the deletion of the square brackets in 2.9, and in 2.10, 2.14 and 2.16 concerning the proposed time-limit of four months. The date of the circular was not necessarily the date of receipt. Moreover, some countries did not have sufficient technical staff to allow them to respond within that time-limit. Reducing the time-limit was therefore detrimental to countries with less resources. He proposed a gradual reduction from the time-limit of six months set in 1992, to five months.

5.23 The **delegate of Syria**, supported by the **delegates of Saudi Arabia, Kuwait and the Islamic Republic of Iran**, pointed out that in 2.7.2 the Bureau was allowed three months simply for the purpose of registration, without any analysis, and there was provision for extending that time-limit. He therefore wondered if it was fair to expect administrations in developing countries to respond within a time-limit of four months. He proposed the retention of the time-limit of six months.

5.24 The **Chairman of Committee 4** said that when Resolution 46 had first been introduced, some three years earlier, there had been a decision to extend the time periods in order to allow administrations to gain experience. They had now had three years experience. If different periods were allowed, they would not be aligned with other procedures. Moreover, the procedures under

Resolution 46 were interim and would subsequently be absorbed in Article S9. For the sake of consistency, it would be preferable to keep to the proposed time-limit.

5.25 The **delegate of Australia** supported the previous speaker on the matter of consistency. It should be noted that, under 2.10, administrations could seek assistance from the Bureau, and that should satisfy all concerns.

5.26 The **Chairman**, after taking the sense of the meeting, noted that there was a majority in favour of a time-limit of four months, and therefore suggested that the square brackets around the word "four" should be deleted.

5.27 It was so **agreed**.

5.28 The **delegate of Mexico** said that she would defer to the decision just taken on the removal of the square brackets around the time-limits of four months. However, she wished to state that the Resolution before the meeting contained many additions, including 2.16 which was unfair in every respect, applying the legal concept of presumption of consent by silence which was very much in vogue in the Union. Such a presumption constituted a penalty on administrations that did not have the ability to reply within such time-limits. Their rights were denied, constantly diminished, and they were not able to complain. She therefore wished her delegation's reservations to be formally reflected in the record.

5.29 In response to a request for clarification from the **delegate of China** concerning the application of the provisions of § 2.10, the **Director of the Radiocommunication Bureau** said that since the Bureau did not yet have a computer program, it was currently using the frequency overlapping method. The Bureau had studied those decisions of the Conference whose implementation would require new resources to be deployed, and had concluded that new software needed to be developed in order to implement the provisions of Annex 2 in particular.

5.30 With reference to § 2.16, the **delegate of Syria** contrasted the four-month time-limit within which an administration had to respond to the Bureau with the provisions of subparagraphs a) to d); he felt sympathy for the administration(s) concerned, which would have to do so much in such a short time.

Annex 2 to Resolution 46

5.31 Following comments by the **Chairman of Committee 5**, the **Chairman of ad hoc Group 5C** said that the document which had been approved at the last meeting of the Committee and subsequently forwarded to the Editorial Committee did not contain all the amendments proposed by his Group to Annex 2. He read out the amendments in question.

5.32 The **delegate of Canada** requested first that account be taken of the new provisions set out in Document 295, concerning feeder links for non-GSO MSS networks, and second that, in the frequency band 6 825 - 7 075 MHz in the table under A2.2.1, the word "and" be inserted between the pairs of limits for the angle of arrival above the horizontal plane.

5.33 The **delegate of the United States** requested that Tables 3 and 4 include an indication to the effect that the coordination distance was also determined using Recommendation ITU-R IS.849.

5.34 Subject to the above comments, the twelfth series of texts submitted by the Editorial Committee (B.12) (Document 301) as a whole, as amended, was **approved** on first reading.

**6 Thirteenth series of texts submitted by the Editorial Committee for first reading
(B.13) (Document 302)**

Resolution 13

6.1 With regard to § 3.1, the **Chairman of Committee 4** proposed the following amendment:
"... of extending the present series as foreseen in Resolution COM4-3".

6.2 Resolution 13 was **approved** subject to the above amendment.

Resolution 21

6.3 The **delegate of Mexico** proposed deleting the phrase "after April 1992" from §§ 2 and 3, as it was mentioned at the beginning.

6.4 Resolution 21 was **approved** subject to the above amendment.

Resolution GT PLEN-3

6.5 The **delegate of Algeria** said that the text had not been properly studied by the Working Group of the Plenary. Some delegations had commented on it but, due to shortage of time, the Group had decided to refer to the Plenary the discussion on how the agenda for WRC-97 should be shaped to reflect both the ITU's policies and the resources available to it. He himself had stressed the fact that the planned agenda for WRC-97 represented a collection of items which could occupy three or four successive conferences, and that WRC-97 would be unable to fulfil its mandate. He had also proposed, without success, the development of guidelines and priorities to be followed by the Council in adopting the agenda for WRC-97. Quite a number of delegates now seemed to share his view that WRC-97 would be unable to complete the proposed agenda, to which the revision of Articles S8 and S11 would have to be added, a situation which would not be in the interests of any of the parties concerned. Were the draft agenda to be approved, the success of the 1997 Conference would be compromised from the outset.

6.6 The **Chairman of the Working Group of the Plenary** said that similar concerns had been expressed at the meetings of the Group, but denied that they had not been properly examined. He had more than once invited the participants to set priorities, but all the items had been considered to be urgent. As far as he was concerned, therefore, the most important issue was to establish an order of priority. While the items on the proposed agenda might appear to be of a general nature, they were actually quite restricted in scope and he was confident that, with stringent planning, the issues would prove fairly easy to resolve. In reply to a question from the **delegate of Syria** concerning the need to refer to Resolution GT PLEN-2 in § 1.4, he agreed that the reference could be deleted since the Resolution had been approved as a set of provisional measures.

6.7 The **Chairman of the Working Group of the Plenary** said that, under § 1.2, the words "and of Articles S8 to S11" should be added after "the WRC-95 consideration of the VGE Report".

6.8 Replying to a question by the **delegate of Morocco**, the **Chairman of Committee 4** confirmed that a small group had studied a number of issues relating to the provisional application of the revised Radio Regulations and had proposed, in Annex 3 to Document 308, new wording for item 1.2 of the WRC-97 agenda which would enable that Conference to ensure consistency between all the provisions of the Radio Regulations.

6.9 The **delegate of the United Kingdom** asked that the new wording in Annex 3 to Document 308 be amended by adding the phrase "Articles S4, S7, S8, S9, S11, S13, S14 and Appendices S4 and S5 of" after the words "and any essential changes to".

6.10 The **Chairman of the Working Group of the Plenary** proposed replacing § 1.2 of draft Resolution GT PLEN-3 in Document 302 by § 1.1 of the draft agenda for WRC-97 as contained in Annex 3 to Document 308, with the amendments proposed by previous speakers, as follows: "... including consideration of the VGE Report in accordance with Resolution [COM4-3] and any essential changes to Articles ...". The reference to Resolutions COM4-4 and COM4-5 should be deleted.

6.11 It was so **agreed**.

6.12 The **delegate of Lebanon** asked the Director of the Radiocommunication Bureau to take account of the revision of Appendix 30B in the report referred to in §§ 7 and 8.1.

6.13 The **delegate of Syria**, supported by the **Chairman of the Working Group of the Plenary**, requested that the adjective "pressing", qualifying the issues to be studied, be deleted from § 1.9.1. In reply to a question by the **delegate of Japan** and a remark by the **delegate of New Zealand**, the **Chairman of the Working Group of the Plenary** proposed amending the end of § 6 to read: "... urgent actions by the radiocommunication study groups in preparation for the 1999 World Radiocommunication Conference". Following comments by the **delegate of France**, he concurred that the list of resolutions and recommendations in § 1.9.1 of Resolution GT PLEN-3 should be revised in order, *inter alia*, to include a reference to Resolution COM5-5.

6.14 It was so **agreed**.

6.15 Resolution GT PLEN-3 was **approved** subject to the above comments and amendments.

Resolution GT PLEN-4

6.16 The **delegate of Israel** having observed that the reference to the 13 GHz band should be deleted from the Annex, in accordance with the decision taken at committee level concerning Resolution COM5-2 and Document 297, the **Chairman of the Working Group of the Plenary** said that the contents of the Annex would have to be reviewed in the light of the decisions already taken or still to be taken by the Conference. In response to a question from the **delegate of Syria**, he said that the study groups which would be given the task of studying the topics identified in the Annex to the Resolution and referred to in § 5, would be determined at the meeting of ITU-R Study Group Chairmen and Vice-Chairmen to be held immediately after the Conference.

6.17 Resolution GT PLEN-4 was **approved** subject to the above comments.

Resolution GT PLEN-5

6.18 The **delegate of Russia** considered § 2.3 to be inappropriate. Since the frequency range referred to was the subject of another Resolution and came within the purview of Study Group 10, the provision in question clearly fell outside the general framework of the proposed agenda for WRC-99 and should therefore be deleted.

6.19 The **delegate of Italy** said that the proposal concerned, which had been made by the Vatican City Administration and which his delegation supported, was perfectly consistent since the text clearly stipulated that the adequacy of the allocations was to be examined taking into account any planning procedures adopted by WRC-97.

6.20 The **Chairman of the Working Group of the Plenary** said that, due to shortage of time, that precise point had not been approved; the Working Group had simply decided to delete the proposal from the draft agenda for WRC-97 and include it in the preliminary agenda for WRC-99.

6.21 The **delegate of Zimbabwe**, recalling that the band in question had been a source of great controversy at WARC-92, judged it inadvisable to include such an item in the preliminary agenda for WRC-99.

6.22 It was **decided** to retain § 2.3.

6.23 The **delegate of Russia** nevertheless stressed that, in his view, § 2.3 was inappropriate.

6.24 The **delegate of Syria** having recalled the discussions in the Radiocommunication Advisory Group on the need to review all the resolutions and recommendations adopted by earlier conferences, the **Chairman of the Working Group of the Plenary** said that no administration had submitted a proposal for that issue to be placed on the agenda of either WRC-97 or WRC-99.

6.25 Following a question from the **delegate of Japan** concerning the wording of § 2.5, the **delegate of Israel** said that the quasi-geostationary orbit systems referred to were non-geostationary satellite systems with an intermittent transmission mode identical to that of geostationary-satellite systems. The **delegate of Canada** said that the matter should be discussed at the ITU-R study group level rather than by a conference, a view shared by the **delegate of Syria**.

6.26 The **delegate of the United States**, reverting to § 2.3, considered it best to await the outcome of WRC-97 before assessing the need to place the issue on the agenda for WRC-99, in view of the considerable difficulties to which the bands in question had given rise at earlier conferences. He therefore proposed that the paragraph be deleted. With reference to § 2.5, the view expressed by the delegate of Canada had much to commend it. The **Chairman**, pointing out that the suggestion to delete § 2.3 had been formally rejected, ruled that the debate was closed and that § 2.3 was retained.

6.27 The **delegate of Algeria** proposed deleting the words "in accordance with Resolution [...]" from § 7.

6.28 It was so **agreed**.

6.29 Resolution GT PLEN-5, as amended, was **approved**.

Resolution GT PLEN-6 and Recommendation GT PLEN-B

6.30 **Approved**.

6.31 The thirteenth series of texts submitted by the Editorial Committee (B.13) (Document 302) as a whole, as amended, was **approved** on first reading.

7 **Fourteenth series of texts submitted by the Editorial Committee for first reading (B.14) (Document 303)**

Resolution COM4-6

7.1 **Approved**.

Resolution COM4-7

7.2 The **Chairman of Committee 4** said that *resolves* 3 should be deleted. In reply to a question from the **delegate of Syria**, he explained that the text which had just been deleted was already covered by the agenda for the 1997 Conference. The *instructs the Secretary-General* section should read as follows: "to arrange for the necessary consultations with IMO on the need for ITU to continue frequency coordination for NAVTEX services and report the results to WRC-97 to enable it to decide on this item".

7.3 Resolution COM4-7, as amended, was **approved** together with its Annex.

Resolution COM4-8

7.4 The **Chairman of Committee 4** said that the text of *resolves to instruct the Secretary-General* 1 should be retained and the square brackets removed.

7.5 Resolution COM4-8, as amended, was **approved**.

Resolutions COM5-10 and COM5-11

7.6 The **Chairman** reminded delegates that Resolutions COM5-10 and COM5-11 had been approved earlier in the meeting in conjunction with the ninth series of texts submitted for first reading.

7.7 The fourteenth series of texts submitted by the Editorial Committee (B.14) (Document 303), as amended, was **approved** on first reading.

8 **Fifteenth series of texts submitted by the Editorial Committee for first reading (B.15) (Document 304)**

Appendix S15

8.1 **Approved.**

Appendix S5

8.2 The **delegate of the United Kingdom** recalled that Appendix S5 had already been approved on his proposal.

8.3 The **Chairman of Committee 4**, replying to the **delegate of Japan**, confirmed that it had been decided to delete the reference to No. S5.390 in the column "Date of entry into force of the new allocations" in Table S5-1A.

8.4 Following a comment by the **delegate of the United States** concerning the need to delete the values -150 (F)² and -150 (F) from the column "Power-flux density limit in dB", the **delegate of the United Kingdom** reminded the meeting that, in accordance with the decisions taken in Plenary, any editorial amendments adopted would be made to the Table at a later stage.

8.5 Subject to the above clarifications, the fifteenth series of texts submitted by the Editorial Committee (B.15) (Document 304) as a whole was **approved** on first reading.

9 Note by the Chairman of Committee 6 (Document 305 and Addendum 1)

9.1 The **Chairman of Committee 6**, introducing Document 305, explained that it related to items still pending and stressed that the explanatory note by the Committee had to be approved as it was to be included in the Final Acts.

9.2 The **delegate of the United Kingdom** recalled that Articles S13 and S14 had already been approved.

9.3 The **Chairman of Committee 4** confirmed that consideration of Article 11 and Resolutions COM4-5 and COM4-4 had not been completed, and recalled the decision taken to delete Article 10. The text of MOD 15.43 was designed to replace No. S15.43. Over and above the Resolutions mentioned in § 3 of Document 305, the Conference had also approved revised versions of Resolutions 13 and 21.

9.4 The **delegate of Syria** proposed approving the text in square brackets in NOTE 1 of the explanatory note from Committee 6.

9.5 It was so **agreed**.

9.6 The **delegate of France** recalled that the fourth Plenary Meeting had decided that, in the event of a discrepancy between the VGE text and the corresponding text of the Radio Regulations, the text of the current Radio Regulations would prevail. Reference should be made to that decision in the explanatory note proposed by Committee 6.

9.7 It was so **agreed**.

9.8 The **Chairman of Committee 6** said that the explanatory note stipulated that, should difficulties of an editorial nature arise during preparation of the definitive version of the Final Acts, the Secretary-General was authorized to consult the Chairman and Vice-Chairmen of the Editorial Committee. She proposed extending that group to include the Chairmen of the technical committees and of the Working Group of the Plenary.

9.9 It was so **agreed**.

9.10 The **Chairman of Committee 4** reminded participants that Resolutions COM4-5 (Document 247) and COM4-4 (Document 265) were still pending, and proposed that consideration of them should be resumed.

9.11 Resolution COM4-5 was **approved**.

9.12 With regard to Resolution COM4-4, the **Chairman of Committee 4** proposed deleting *considering* a), b) and d), renumbering the other *considering* paragraphs accordingly, deleting *resolves* 1 altogether, replacing the expression "in view of *considering* f)" in *resolves* 2 by "in view of *considering* b)", and deleting the reference to the two *resolves* paragraphs from the *urges administrations* section.

9.13 Resolution COM4-4, as amended, was **approved**.

9.14 With reference to Addendum 1 to Document 305, the **delegate of Algeria** proposed deleting the penultimate paragraph of the preamble, beginning "The delegates signing the revision of the Radio Regulations"; although traditionally included in Final Acts of the Union, the paragraph was unsuited to the type of text in question.

9.15 The proposal not having been retained, Document 305 and Addendum 1, as amended, were **approved**.

**10 Fourth series of texts submitted by the Editorial Committee for second reading (R.4)
(Document 298)**

10.1 Before the meeting took up Document 298, the **Chairman of Committee 4** said that the Committee had decided to delete Articles 67 and 68 of the Radio Regulations, although that decision was not recorded anywhere, and also Appendices 13 and 41. Appendices 26 to 33.0B had not been considered in detail and the Committee had decided to retain them as they stood in the Radio Regulations.

10.2 That information was **noted**.

Article S21

10.3 **Approved**.

Resolution 112

10.4 **Deleted**.

Resolution 113

10.5 **Unchanged**.

Resolutions 213 (Rev. WRC-95) and PLEN-3

10.6 **Approved**.

Resolution PLEN-2

10.7 The delegate of Spain recalled that it had been decided to stipulate in *resolves to invite Members of the Union* 1 that the conference in question was an ordinary Plenipotentiary Conference.

10.8 Subject to that clarification, Resolution PLEN-2 was **approved**.

Resolution GT PLEN-1

10.9 **Approved**.

Annex to Resolution GT PLEN-1

10.10 The **Chairman of the Working Group of the Plenary** having proposed new wording for § 4.3.5 in square brackets, which was elaborated upon by the **delegate of Morocco**, an exchange of views took place between the **delegates of France, the United Kingdom, Greece, Syria and Australia** and the **Chairman**, following which it was **decided** to retain the text of § 4.3.5 and delete the square brackets.

10.11 The **delegate of Syria** deplored the fact that the Plenary had reverted to the original text of § 4.3.5. He pointed out that the amendments proposed by the Chairman of the Working Group of the Plenary and the delegate of Morocco had been approved at an earlier stage without giving rise to any objections, and stated that his Administration had reservations concerning the procedure followed.

10.12 The Annex to Resolution GT PLEN-1 was **approved**.

Resolution COM5-1

10.13 The **delegate of the United Kingdom** said that all references to the band 19.2 - 19.7 GHz in square brackets should be replaced by 19.3 - 19.6 GHz.

10.14 Resolution COM5-1, as amended, was **approved**.

Resolutions COM5-2, COM5-3, COM5-4 and COM5-5

10.15 **Approved**.

Resolution COM5-6

10.16 The **delegate of Syria** observed that the *also resolves* section was still in square brackets.

10.17 The **delegate of Morocco** said that Document 308 offered a solution to the problem of the date of entry into force.

10.18 It was **decided** to leave the matter pending.

10.19 With the exception of the section between square brackets, Resolution COM5-6 was **approved**.

Resolution COM5-7

10.20 **Approved** subject to replacement, in the title and the body of the text, of the bands 19.2 - 19.7 GHz and 29.0 - 29.5 GHz by the bands 19.3 - 19.6 GHz and 29.1 - 29.4 GHz.

Resolutions COM5-8 and COM5-9, Recommendations 717 (Rev. WRC-95), GT PLEN-A, COM5-B and COM5-C

10.21 **Approved**.

10.22 With the exception of the texts left pending, the fourth series of texts submitted by the Editorial Committee (R.4) (Document 298) as a whole, as amended, was **approved** on second reading.

11 **Fifth series of texts submitted by the Editorial Committee for second reading (R.5) (Document 299)**

Appendix S25

11.1 **Approved**.

11.2 The **delegate of New Zealand** observed that, with the adoption of Appendix S25, Resolutions 325 and 326 became superfluous and could be deleted, as could Resolutions 327 and 328.

11.3 It was so **agreed**.

Recommendation COM4-B

11.4 **Approved**.

11.5 The fifth series of texts submitted by the Editorial Committee (R.5) (Document 299) as a whole was **approved** on second reading.

12 Sixth series of texts submitted by the Editorial Committee for second reading (R.6) (Document 300)

Resolution PLEN-1

12.1 The **delegate of France** proposed adding "of the Radio Regulations" after "No. 1550" under *instructs the Radiocommunication Bureau*.

12.2 Resolution PLEN-1, as amended, was **approved**.

Resolutions PLEN-4 and PLEN-5

12.3 **Approved**.

12.4 The sixth series of texts submitted by the Editorial Committee (R.6) (Document 300) as a whole, as amended, was **approved** on second reading.

13 Date of provisional application of the revised Radio Regulations (Document 308)

13.1 The **delegate of Morocco** said that the Chairmen of Committees 4 and 5 and a number of other delegates, with the assistance of the Secretariat's Legal Affairs Unit, had studied the matter of the immediate, medium-term and long-term application of the decisions of the Conference. As a solution to the problem, the group was proposing a draft Article and a draft Resolution. Under the terms of the draft Article, the bulk of the simplified Radio Regulations would apply provisionally from 1 January 1998, but the revised provisions concerning new or modified frequency allocations would apply provisionally from 1 January 1997. However, some of the revised provisions invoked Resolution 46, which should enter into force immediately. That was the reason for the proposed draft Resolution, which would enable administrations, as of 18 November 1995, to apply Resolution 46 in relation to those footnotes which referred to it. However, such an arrangement did not solve the problem of the provision of Resolution COM5-6 still in square brackets, which related to a footnote that was supposed to become effective on 18 November 1995. In that regard, the legal experts should be asked to clarify the distinction between "to become effective" and "provisional application" and to give their opinion on whether a resolution constituted the most appropriate solution.

13.2 The **delegate of the United Kingdom** proposed deferring the date of provisional application of the simplified Regulations until 1 June 1988, in case the next WRC took place later than planned.

13.3 It was so **agreed**.

13.4 The **Chairman of Committee 4** considered the proposals in Document 308 to be perfectly reasonable, as they would enable the new frequency allocations to become effective quite soon, on 1 January 1997, and provisional application of the new simplified Regulations as a whole to commence on 1 June 1998, a few months after the planned date of the next WRC. In order to clarify further the text of the draft Resolution, he proposed stating in *considering* b) that the footnotes in question were not to the Regulations themselves, but to the Table of Frequency Allocations in the

Regulations, and amending *instructs the Bureau a)* to read: "to apply, as of 18 November 1995, the provisions ...".

13.5 It was so agreed.

13.6 The **delegate of Syria** said that *instructs the Bureau a)* might have the undesired effect of making the date of 18 November 1995 apply to resolutions which mentioned a different date of application. He therefore proposed either explicitly excluding such resolutions, or simply stating that the date of 18 November 1995 related only to coordination.

13.7 The **Chairman of Committee 4** said that the draft Resolution in Document 308 was not intended to give effect to Resolution 46 which, like all the other Resolutions, would take effect automatically at the end of the Conference. What made Resolution 46 special was the fact that it contained a coordination procedure which administrations should be able to start applying as soon as possible, including for frequency allocations which would not enter into force until 1 January 1997; the draft Resolution under consideration simply made sure that that would be possible. Such advance application was very similar to the approach adopted in the same circumstances at the end of WARC-92, the only difference being that a rule of procedure had been used on that occasion, whereas what was now being proposed was a resolution, i.e. a more explicit act of the Conference.

13.8 The **delegate of Morocco** observed that the draft Resolution referred only to Resolution 46, whereas some of the footnotes to be covered referred to No. S9.11 bis; the problem could, however, be settled by the Editorial Committee. Furthermore, *instructs the Bureau b)* would be difficult to implement and should be deleted, especially in view of the fact that the Radiocommunication Bureau had no authority to decide whether a particular provision was applicable. Finally, as the draft Resolution covered the situation addressed in the *also resolves* paragraph of Resolution COM5-6, that paragraph should also be deleted.

13.9 The **delegate of the United States** considered that *instructs the Bureau b)* was useful and should be retained.

13.10 The **delegate of Japan** sought clarification, possibly after the Conference, as to whether, from the legal standpoint, the Radiocommunication Bureau could be authorized to give effect to footnotes not yet in force.

13.11 The **Chairman of Committee 4** said that the only thing that mattered was that the coordination process laid down in Resolution 46 should be able to start as soon as possible; the precedent set by WARC-92 should be sufficient in that regard.

13.12 The **delegate of France** said that *instructs the Bureau a)* raised problems with regard to the 400 MHz passband, in respect of which it had been decided to apply Resolution PLEN-1. Since it made no mention of Resolution 46, that decision - which had been reached with some difficulty - was not covered by the draft Resolution.

13.13 The **Chairman of Committee 4** explained that the reason why some new footnotes referred only to No. S9.11 bis was that they had been drafted at a time when a single date for provisional application of the Regulations had been contemplated. Given that the draft Article in Document 308 provided for two dates, there would be a period between 1 January 1997 and 1 January 1998 when the new footnotes in question would be in force, whereas new Article S9 would not. All the new footnotes which referred to No. S9.11 bis should therefore also contain a reference to Resolution 46. That would make the draft Resolution acceptable even without *instructs the Bureau b)*.

13.14 It was so agreed.

13.15 The draft Article and draft Resolution in Document 308, as amended, were **approved**.

14 Second reading of Article S5 (Documents 292A and Corrigendum 1, 292B)

14.1 Article S5 was **approved** on second reading.

15 Proposals for the work of the Conference (not examined) (Addendum 1 to Document 34)

15.1 The **delegate of Morocco** announced that, given the lateness of the hour, the co-authors of the proposal in Addendum 1 to Document 34 were withdrawing the proposal.

15.2 The **delegate of Saudi Arabia** did not oppose such withdrawal, but wished to make the point that the proposals of certain countries were subject to systematic obstruction, for instance by being held off until the very last minutes of the Conference.

16 Note by the Chairman of Committee 5 (Document 309)

16.1 The **Chairman of Committee 5** said that the note in Document 309 had been drawn up by an informal group and had not been officially considered by Committee 5.

16.2 The **delegate of the United Kingdom**, supported by the **delegate of Mexico**, said that the text in question had been developed by all the parties concerned and represented a compromise which reflected the concerns of all of them. The text, which was the result of some very hard work, could no doubt be considered and adopted very quickly.

16.3 The **delegate of Saudi Arabia** said that if there was enough time left to consider the proposals made by some delegations, other delegations might reconsider their decision to withdraw their own proposals.

16.4 The **Chairman**, taking the view that it would not be possible to consider Document 309, announced that the Conference had completed its substantive work, and set 0730 hours as the deadline for submitting reservations and declarations.

The meeting rose at 0600 hours.

The Secretary:
Pekka TARJANNE

The Chairman:
S. AL-BASHEER



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 324-E
5 December 1995
Original: English

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

TWELFTH PLENARY MEETING

Friday, 17 November 1995, at 2140 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed

Documents

1 Noting of declarations and reservations

310

1 Noting of declarations and reservations (Document 310)

1.1 The **Chairman** said that the purpose of the meeting was to enable the Plenary to take note of the declarations and reservations set out in Document 310. There would be no discussion of the declarations and any interventions should be restricted to editorial matters.

1.2 The **delegate of Mexico**, referring to the original Spanish text of his country's declaration (No. 42), said that the last word of paragraph 1 should read "telecomunicaciones".

1.3 The **delegate of Senegal** said that in the title of his country's declaration (No. 26) in French, the word "la" should be inserted in front of "République".

1.4 The **delegate of Papua New Guinea** said that in the first line of his country's declaration (No. 56) in English, the phrase "ITU Radiocommunication Conference" should be replaced by "World Radiocommunication Conference".

1.5 The **delegate of Algeria** said that the correct title of his country in French was "la République algérienne démocratique et populaire"; the French text of the relevant declarations should be corrected accordingly.

1.6 At the invitation of the **Chairman**, the meeting **took note** of the declarations in Document 310, subject to the foregoing editorial amendments.

The meeting rose at 2200 hours.

The Secretary:
Pekka TARJANNE

The Chairman:
S. AL-BASHEER



WRC-95

WORLD
RADIOCOMMUNICATION
CONFERENCE

Document 325-E
13 December 1995
Original: English

GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

PLENARY MEETING

MINUTES

OF THE

THIRTEENTH AND LAST PLENARY MEETING

Saturday, 18 November 1995, at 0815 hours

Chairman: Mr. S. AL-BASHEER (Saudi Arabia)

Subjects discussed

Documents

- 1 Noting of additional declarations/reservations
- 2 Signature of the Final Acts
- 3 Closure of the Conference

311

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1 Noting of additional declarations/reservations (Document 311)

1.1 At the invitation of the **Chairman**, the meeting took note of the additional declarations/reservations in Document 311.

2 Signature of the Final Acts

2.1 The **Secretary of the Plenary Meeting**, after explaining the procedure to be followed for the signing ceremony, indicated that two countries had delegated their powers, namely, the Republic of Armenia to the Russian Federation and the Federated States of Micronesia to the United States of America. He then called the roll of those delegations whose credentials had been found to be in order.

2.3 The Final Acts were signed by the 130 countries listed in Annex 1.

3 Closure of the Conference

3.1 The **Observer for the United Nations** delivered the address reproduced in Annex 2.

3.2 The **Director of the Radiocommunication Bureau** said that since the beginning of the Conference much hard work had been put in and some most impressive results had been achieved, bringing a sense of accomplishment mingled with relief. The success of the Conference had been due largely to the excellent leadership of its Chairman, with whom it had been a pleasure to work. He thanked all the Chairmen of the working groups, drafting groups and subgroups of the committees who had made such a valuable contribution to the Conference. His thanks also went to the Secretary-General, the Deputy Secretary-General, the staff of the Radiocommunication Bureau and all those who had, through their dedication and tireless effort, ensured the success of the Conference.

3.4 The **Secretary-General** delivered the address reproduced in Annex 3 and presented the Chairman with a commemorative gavel.

3.5 The **Chairman** thanked the Secretary-General for presenting a bright vision of the future of ITU, for his kind words and for the token of appreciation which he would treasure for the rest of his life.

3.6 The **delegate of Indonesia** congratulated the Chairman on steering the Conference to a successful conclusion, despite the controversial issues that it had faced. The results would pave the way for the further development of telecommunication. He thanked the Chairman of the Conference, the Chairmen and Vice-Chairmen of the committees and working groups, as well as the Chairmen of drafting and ad hoc groups for their efforts to achieve a successful outcome of discussions. Thanks were also due to the Secretary-General, the Director of the Radiocommunication Bureau and the Secretariat team for their excellent work. Finally, he said that he looked forward to seeing his friends in other delegations again soon.

3.7 The **delegate of the United Kingdom** was pleased that the hope he had expressed at the beginning of the Conference, on behalf of the European countries, of keeping to normal working hours and avoiding a last minute package deal, had almost been fulfilled. The European proposals to the Conference had concentrated on the simplification of the Radio Regulations, and the delay in their entry into force would allow time to review the decisions taken by the Conference and make any necessary adjustments. With regard to the mobile-satellite service, the results of the present

Conference would ensure that the next Conference had a sound technical basis on which to take decisions. The work of the present Conference had greatly benefited from the development of regional coordination and he hoped that efforts to reduce divergences would continue in the future, always taking into account the views of individual countries. On behalf of the European countries, he thanked the Chairman for all his efforts, in particular his personal involvement in resolving the most difficult issues. He thanked all delegations for their spirit of collaboration and willingness to compromise, attitudes that were fundamental to the ITU. He was sure that all delegations would join him in wishing the Chairman a well-earned rest.

3.8 The delegate of Mexico expressed great satisfaction at the outcome of the Conference and attributed it, in no small part, to the skilful guidance of the Chairman. He endorsed the remarks made by the delegate of the United Kingdom concerning the utility of regional coordination and drew attention to the work of CITEL in that respect. He stressed that the development of a homogenous regional position should be linked with a spirit of open mindedness to avoid a hardening of positions along regional lines. He thanked the Chairman for his intelligent leadership which had enabled the Conference to take decisions that would allow technological progress to be shared by all.

3.9 The delegate of Syria, speaking on behalf of the Arab delegations, echoed previous speakers in praising the Chairman for his great contribution to the success of the Conference. Expressing pleasure at the results achieved, he said that the Chairman had earned a place in history by his wise guidance of the first WRC to take place under the new Constitution and Convention of the Union. He welcomed the efforts towards coordination of regional proposals and said that the Arab group would continue to work along those lines in the future in order to achieve the aims of the ITU. The Chairman had done an excellent job of bringing the diverging positions together. He thanked the officials of the Conference and the Secretariat, as well as all participants, for their valiant efforts.

3.10 The delegate of the United States agreed with all those who had praised the Chairman for his excellent leadership. The Chairman's dedication to achieving results had steered the Conference towards making decisions that pave the way for telecommunication services well into the next century, for the benefit of all nations and all peoples. He thanked the Secretariat for their effective work and welcomed the cooperative efforts of delegations to reach a successful conclusion to WRC-95. The expanded role of the developing world, and the willingness of all parties to try to accommodate their concerns was a welcome change to past WRCs and so made this one a truly historic conference. The Conference had also taken important steps to bring the world closer together through the wonders of telecommunications. In modifying the words of the famous New England poet, Robert Frost, we have "promises to keep, and miles to go before we sleep".

3.11 The delegate of Israel praised the Chairman's excellent leadership and welcomed the results of the Conference which would allow for the development of new technologies and would pave the way for a global telecommunication infrastructure.

3.12 The delegate of Russia praised the Chairman for his efforts to bring the Conference to a successful conclusion. As WRC-95 had been held in the year of the centenary of radiocommunication, it was opportune to recall its impact on society. Not only had radiocommunication brought countries and peoples closer together, but it had also enhanced the safety of land, sea and air transport. The decisions taken by the present Conference would continue that tradition of social advancement, in particular opening the way for personal mobile communication systems. He welcomed the progress made in simplifying the Radio Regulations and said that, with the decisions to be taken by subsequent WRCs, the path would be clear for a truly

global information infrastructure and the development of telecommunication in the 21st century. He thanked all those who had contributed to the success of the Conference, mentioning in particular the heroic work of the Editorial Committee in preparing the Final Acts.

3.13 The **delegate of Egypt** praised the Chairman's experience, wisdom and patience, and congratulated him on bringing the Conference to a successful conclusion. He hoped that the harmonious and peaceful resolution of problems within ITU would be reflected in the world outside.

3.14 The **Chairman** thanked the delegates who had spoken for their kind words. He then made the speech reproduced in Annex 4. Finally, he declared the World Radiocommunication Conference closed.

The meeting rose at 0950 hours on Saturday, 18 November 1995.

The Secretary-General:
P. TARJANNE

The Chairman:
S. AL-BASHEER

Annexes: 4

ANNEX 1

**List of Members having signed the Final Acts of the World
Radiocommunication Conference (Geneva, 1995)**

Albania (Republic of), Algeria (People's Democratic Republic of), Germany (Federal Republic of), Andorra (Principality of), Angola (Republic of), Saudi Arabia (Kingdom of), Argentine Republic, Armenia (Republic of), Australia, Austria, Bahrain (State of), Bangladesh (People's Republic of), Belarus (Republic of), Belgium, Brazil (Federative Republic of), Brunei Darussalam, Bulgaria (Republic of), Burkina Faso, Burundi (Republic of), Cameroon (Republic of), Canada, Cape Verde (Republic of), Central African Republic, Chile, China (People's Republic of), Cyprus (Republic of), Vatican City State, Colombia (Republic of), Korea (Republic of), Croatia (Republic of), Cuba, Denmark, Djibouti (Republic of), Egypt (Arab Republic of), United Arab Emirates, Ecuador, Spain, Estonia (Republic of), United States of America, Ethiopia, Finland, France, Gabonese Republic, Ghana, Greece, Guinea (Republic of), Hungary (Republic of), India (Republic of), Indonesia (Republic of), Iran (Islamic Republic of), Ireland, Iceland, Israel (State of), Italy, Jamaica, Japan, Jordan (Hashemite Kingdom of), Kazakhstan (Republic of), Kenya (Republic of), Kuwait (State of), Lesotho (Kingdom of), Latvia (Republic of), The Former Yugoslav Republic of Macedonia, Lebanon, Liberia (Republic of), Libya (Socialist People's Libyan Arab Jamahiriya), Liechtenstein (Principality of), Lithuania (Republic of), Luxembourg, Malaysia, Maldives (Republic of), Mali (Republic of), Malta, Morocco (Kingdom of), Mauritius (Republic of), Mexico, Micronesia (Federated States of), Moldova (Republic of), Monaco (Principality of), Mongolia, Namibia (Republic of), Nepal, Nigeria (Federal Republic of), Norway, New Zealand, Oman (Sultanate of), Uganda (Republic of), Uzbekistan (Republic of), Pakistan (Islamic Republic of), Papua New Guinea, Paraguay (Republic of), Netherlands (Kingdom of the), Peru, Philippines (Republic of the), Poland (Republic of), Portugal, Qatar (State of), Syrian Arab Republic, Kyrgyz Republic, Democratic People's Republic of Korea, Slovak Republic, Czech Republic, Romania, United Kingdom of Great Britain and Northern Ireland, Russian Federation, San Marino (Republic of), Senegal (Republic of), Sierra Leone, Singapore (Republic of), Slovenia (Republic of), Sudan (Republic of the), Sri Lanka (Democratic Socialist Republic of), South Africa (Republic of), Sweden, Switzerland (Confederation of), Suriname (Republic of), Swaziland (Kingdom of), Tanzania (United Republic of), Chad (Republic of), Thailand, Togolese Republic, Tonga (Kingdom of), Trinidad and Tobago, Tunisia, Turkey, Ukraine, Viet Nam (Socialist Republic of), Yemen (Republic of), Zambia (Republic of), Zimbabwe (Republic of).

ANNEX 2

Address by Mr. Richard E. Butler AM, Observer for the United Nations

I thank you, Mr. President, for permitting me to bring to the Conference the good wishes of the United Nations and its related organs. The United Nations interest is not just confined to its special interests in radio spectrum use and the international recognition of protection against harmful interference, in keeping with the Agreement with the ITU Plenipotentiaries. But, it also has the broader policy considerations and formulations for the Peaceful Uses of Outer Space and Technologies for Development to serve the economic and social progress of all nations and communities.

WARC-92 was in reality a landmark Conference in the history of the ITU.

First the way was cleared for the introduction of digital radio audio satellite sound broadcasting. It is pleasing to note that with the cooperation between investment, national regulatory bodies, industry and broadcasting interests in many developing countries there will be in 1998 the affordable opportunities of low-cost and nationwide good quality radio to their peoples for the first time. Options will range to FM stereo and even to a near CD quality option. This has been described as the most revolutionary change in 75 years of long-distance broadcasting. Every country would be offered within a beam area of coverage quality nationwide/subregional quality programme coverage and choices of other programmes.

Second WARC-92 paved the way for opening up the spectrum for new non-geostationary satellite orbit (NGSO) applications. This represented a major departure from the accent on geostationary orbit use which has been the major feature of public and private networks and systems over the preceding two decades. Provision was made for low and medium orbit (LEO/MEO) satellite applications with the well known distinctions being proposed in a variety of service offerings between little and big LEOs and MEOs.

Systems can now go forward as a result of the feeder link decisions at WRC-95.

Your Conference has now given the opportunity of system deployment of a new generation of space application of low-cost and fibre quality NGSO broadband fast bit rate response to the terrestrial fibre quality cable developments. There are now opportunities to move from the hand-held telephone era to bring a major jump in infrastructural development in areas insufficiently served of both developed and developing countries as we enter the 21st century. These new space applications would provide a complementarity in technology applications. They present new opportunities for common user sharing of space technology, widely promoted by the United Nations and the ITU over the past decades. They will bring lower costs and communication opportunities to remote areas.

We await the progress to real time service developments in the various projects which have figured in the presentations that we have been witnessing.

Meanwhile one little LEO system has been experimenting and providing a variety of messaging and record/data information transfers over the past years for humanitarian, health care, education and developmental purposes, supporting United Nations and other efforts in these fields. The store and forward messaging has brought affordable communication possibilities and experiences to those previously denied by cost or technology.

I refer to the pioneering efforts of Volunteers in Technical Assistance (VITA) a small non-profit organization established to provide and foster development, including access to information to people in developing countries.

As a result VITA received a pioneer preference status licence from the FCC in the United States and coupled with the national licences in a number of African and Asian countries has been delivering service access to people and institutions that cannot support traditional communications facilities. Yet information access is vital to their social, economic and quality of life objectives and related development needs.

As is well known, the expansion of VITA's new series of satellite applications to provide affordable communications for humanitarian, health, education and development support needs received a setback earlier this year with the loss of a new satellite.

I am pleased to indicate today that, subject to the national regulatory considerations, VITA is announcing an Agreement which needs two new transponder facilities to meet those humanitarian objectives, servicing areas in which over some 2 billion people are without even record (non-voice) communication access. With north and south strategically placed gateways there will be e-mail node centres as well as access to Internet. Connectivity will thus be decentralized and the way is open to bring affordable network connectivities for the communities served under the umbrella of VITA's Development and Information Access Objectives.

Thus we will see expanded service to individual people and groups, such as for agriculture, educational and health care bringing a variety of networking between education and other institutions sharing information between north and south and south-south institutions, through low-cost store and forward means - "The Travelling Postman" concept put forward by my colleague Professor Yash Pal of India in the late 1970s. We trust too that these development will lead to a better understanding of the role that the little LEO satellite applications can play in enhancing communication for economic and social progress and for a better appreciation of their missions at WRC-97.

Finally, through your leadership, Mr. President, this Conference has firmly focused on the future. The results will enable new technologies and applications to develop - thus preserving the options of low-cost services for the benefit of mankind in all areas and communities worldwide.

We congratulate you for your timely guidance and leadership throughout the Conference.

We hope that all participants from the governments, administrations, industries, service providers and other interested sectors in the Conference will go forward in promoting and bringing vision to reality by the implementation of the decisions for the benefit of all countries.

ANNEX 3

Address by the Secretary-General

Ladies and Gentlemen,

When we opened this World Radiocommunication Conference four weeks ago, we all knew we had some very important work ahead of us – work that, if successfully completed, would help usher in a new age of personal connectivity and global mobility. And although I'm sure we've all found the last four weeks, especially the last four days and nights very taxing, I'm very happy to say that we **have** achieved our objective in the area of Mobile Satellite Services, and the stage is now set for operators to continue the development of services which have the potential to offer enormous benefits to all of us.

The second main task on our agenda this year was no less crucial. The simplification of the Radio Regulations was a complex undertaking, but I think we can also congratulate ourselves on having reached a satisfactory outcome. Building on the considerable work done by the Voluntary Group of Experts, we have managed to find ways to improve this very important document to make it more effective and comprehensible, and to modernize it in the light of recent developments in radiocommunication technology. We did not of course completely achieve all we had expected, but the result is certainly satisfactory and our work will continue in the same right direction.

I also remarked, at the beginning of the conference, that this was the first event of its kind to be convened by the 'new ITU'. I was sure I spoke for everyone here when I urged us to streamline our working practices and to avoid falling into the trap of 'consensus by exhaustion'. In part, we **did** manage to improve our efficiency and get our work done whilst still allowing for adequate debate on important issues. The Utsumi clock was left in its box in the ITU Tower! However, much remains to be done in order to improve our working methods. With the very crowded agenda for WRC-97 we are faced with serious problems that cannot be solved without good preparations by Members, the Secretariat, by all of us, and improved working methods.

When we next meet, at WRC-97, we also have to remember that the communications environment will have changed, hopefully in a way that will improve the quality of life for all of us, whether we're living here in Switzerland, or in any of the other 183 ITU Member countries around the world. As a result of the hard work of the last few weeks, we can all take some of the credit for helping to bring about a truly global change in the way information is exchanged.

At WRC-97 we will face new challenges, some of them as a result of the far-reaching decisions taken at this conference. I look forward to seeing you then, and let us hope when we are next convened in this room we will be able to deal with these new issues even more effectively than we have dealt with this year's agenda.

Mr. Chairman,

I called this Conference a success. Most of this success is due to your leadership. You are the symbol of WRC-95. Your leadership and guidance can best be described by words such as strength and patience, professionalism and style, diplomacy and wisdom. These crucial qualities you have shown in the Chair as well as outside, in particular in countless informal meetings and social events. You looked today, maybe, physically slightly more battered than most of us, but mentally and spiritually you are stronger than ever, stronger than any of us. So, dear Sami, on behalf of all of us, on behalf of WRC-95 people, your people, I have the pleasure of presenting to you a souvenir, a token of our appreciation and gratitude, a symbol of your leadership.

ANNEX 4

Address by the Chairman of the World Radiocommunication Conference

Honourable delegates,
Mr. Secretary-General and ITU officials,
Ladies and Gentlemen,

Once again we have emerged successfully from the test of a very challenging radiocommunication conference. Let me therefore start my closing remarks by paying a tribute to the sense of responsibility you have displayed. It is certainly not easy to find another international organization in which the initial divergent positions of Members come eventually together as they have here in ITU.

I do not intend to bore you with a detailed account of the momentous and far-reaching decisions made by the Conference; they are well documented in the Final Acts and reports that have been published. I feel however obliged to very briefly mention what has been achieved here in the short span of these last four lively weeks, which will confirm that we have largely and effectively succeeded in providing sufficient spectrum for the development of the global personal communication systems, thus opening the way to this emerging new breed of services which will eventually integrate themselves in the future Global Information Infrastructure (GII) we all, I am sure, dream to build.

We have also had to deal with more conventional issues such as the new simplified Radio Regulations. I take pride, we take pride, in what has been accomplished here, taking as a basis the excellent preparatory work of the Voluntary Group of Experts, in particular concerning the Table of Frequency Allocations and the new simplified set of regulatory procedures. It is true that some parts of the VGE Report have been left for further study and referred to our next gathering, the 1997 World Radiocommunication Conference. Let me point out however that no issues have been left unresolved for lack of good will, skill or determination, nor have any issues been withheld from the attention of the Conference in order to evade scrutiny or debate.

I hope that we have succeeded in laying the foundation for the telecommunications of the next century and that these new technologies will be used for the benefit of all mankind, for countries of the north and those of the south and for helping the less developed countries to build a sound telecommunication infrastructure.

There is no doubt in my mind that the Conference owes its success entirely to the support given by each delegation. I wish to commend the spirit of compromise and wisdom shown by all the participants assembled in the CICG. These are, in my humble opinion, some of the most important factors which have contributed in no small measure to the success of the Conference and have made my work as Chairman that much easier, enjoyable and fully rewarding. Let me turn now more specifically to the people who have supported and helped me to successfully go through this exhilarating experience. This might be a very long list of persons to be acknowledged for their contribution: members of the Steering Committee and all those who have headed the numerous essential working groups, sub-working groups, ad hoc groups, drafting groups, the Vice-Chairmen of the Conference, the Chairmen of Committees, especially Mr. Goddard, Mr. Jenkinson, Mrs. Nebes and Mr. Taylor. I would like to mention all of the others, but it would take up too much time. I also wish to give special thanks to Mr. Tarjanne, Mr. Chasia, Mr. Jones, and all the conference Secretariat, who have done so much to ensure the smooth and efficient completion of our task. My

thanks go to the delegation of Saudi Arabia for all their assistance and guidance. May I also thank Mr. Escofet who has been at my side without fail and without whom my task might have been difficult to achieve, Mr. Olms who has been of a great help by explaining to me all the complicated technical issues, Mr. Pieterse and others, including my secretary, Mrs. Maha Acid, who has worked night and day through the Conference and deserves all my gratitude.

Ladies and Gentlemen,

In my opening address I stressed the fact that our Conference was expected to add a new dimension to tomorrow's radiocommunication environment. We are now in a position to affirm that we have been able to accomplish that objective and that the signing of the Final Acts has really meant the culmination and completion of the task with which we had been entrusted. As the Chairman of the Conference, I am of course delighted with the way our deliberations have been taking place, as well as the conclusions and decisions we have reached. I admit, however, that the present moment is one of mixed feelings for me. I realize, in fact, that I am sad to have to say good-bye to so many colleagues with whom I have made friends, worked and socialized during the past four weeks. But, as I appreciate your desire to return home, I will say to all those who have to go, "Good-bye till we meet again and wish you all the best". Rihla saaida. Liu tou yiu kai. Have a good journey. Bon voyage. Schastlivogo put. Feliz Viaje.

I apologise if my pronunciation is somewhat odd. I did my best. I think we'd all agree that we should thank Mr. Berrada for all this customary assistance. Needless to say it has been my intention to use the six official and working languages of the Union and to do so, maybe for the first time, on an equal footing.

Thank you all very much and I wish you all every success.



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Cette liste comprend les sections suivantes - This list includes the following sections -
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- I. Administrations / Administrations / Administraciones
- II.1 Nations Unies et ses institutions spécialisées / United Nations and its Specialized Agencies / Naciones Unidas y sus Organismos Especializados
- II.2 Organisations régionales de télécommunications / Regional Telecommunication Organizations / Organizaciones Regionales de Telecomunicaciones
- II.3 Organisations intergouvernementales exploitant des systèmes à satellites / Intergovernmental Organizations Operating Satellite Systems / Organizaciones Intergubernamentales que explotan Sistemas de Satélite
- II.4 Autres Organisations internationales / Other International Organizations / Otras Organizaciones Internacionales
- III. Membres du Comité du Règlement des radiocommunications / Members of the Radio Regulations Board / Miembros de la Junta del Reglamento de Radiocomunicaciones
- IV. Fonctionnaires élus / Elected Officials / Funcionarios de Elección
- V. Secrétariat de la Conférence / Secretariat of the Conference / Secretaría de la Conferencia
- VI. Secrétariat général et Secteurs / General Secretariat and Sectors / Secretaría General y Sectores
- VII. Services de la Conférence / Services of the Conference / Servicios de la Conferencia

Symboles utilisés - Symbols used - Símbolos utilizados

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CA	:	Chef adjoint - Deputy Head - Subjefe
D	:	Délégué - Delegate - Delegado
A	:	Conseiller - Adviser - Asesor
O	:	Observateur - Observer - Observador

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Assistante: Mme Ch. Carton

IV.3 Bureau de normalisation des télécommunications (TSB)

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IV.4 Bureau du développement des télécommunications (BDT)

M. A. Laouyane, Directeur
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V. SECRETARIAT DE LA CONFERENCE - SECRETARIAT OF THE CONFERENCE - SECRETARIA DE LA CONFERENCIA

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Assistante: Mme B. Bux

Secrétaire technique : M. K. Olms
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VI.8	Département des services informatiques :	<u>Chef de département:</u> M. L. Goelzer
VI.9	Département des conférences :	<u>Chef de département:</u> M. H. Pieterse
VI.10	Département des services communs:	<u>Chef de département:</u> M. H. Radjy
VI.11	Bureau des radiocommunications :	<u>Chefs de département:</u> M. K. Olms M. M. Giroux M. G. Kovacs M. D. Wu <u>Administrateur:</u> M. Ph. Capitaine <u>Edition et publication:</u> M. B. Verove

VI.12	Bureau de normalisation des télécommunications	:	<u>Chefs de département:</u> M. T. Arizono M. F. Bigi
VI.13	Bureau de développement des télécommunications	:	<u>Chefs de département:</u> M. D. Kurakov M. W. Richter M. D. Stagliano
VI.14	Telecom	:	M. J. Jipguep, Président du Conseil Telecom M. T. Dahl-Hansen, Directeur exécutif
VII.	SERVICES DE LA CONFERENCE - SERVICES OF THE CONFERENCE - SERVICIOS DE LA CONFERENCIA		
VII.1	Secrétaire du Président	:	Mme M. Aeid
VII.2	Enregistrement des délégués	:	Mme J. Jones-Ferrer/Mlle J. Butterfield
VII.3	Contrôle des documents	:	Mme E. Baron
VII.4	Service des salles	:	Mlle C. Clin
VII.5	Division linguistique		
	a) Traduction		Mme F. Sala (Section française) M. A. Pitt (Section anglaise) M. A. Peñaranda (Section espagnole)
	b) Procès-verbalistes	:	Mme S. Rossington
	c) Interprétation	:	Mme J. Jouffroy (Coordonnatrice)
VII.6	Composition des documents	:	Mme D. Duvernay
VII.7	Reprographie	:	M. J. Allinger
VII.8	Distribution des documents	:	M. G. Delaye
VII.9	Service des messagers	:	M. A. Brusson
VII.10	Huissiers de salle	:	M. M. Diaby
VII.11	Service de presse	:	M. A. Boussaid
VII.12	Service informatique	:	M. P. Prasad
VII.13	ITU Newsletter & WRC News	:	Mme D. Bourne Mme P. Lusweti



GENEVA, 23 OCTOBER – 17 NOVEMBER 1995

FINAL LIST OF DOCUMENTS

(Documents 1 - 327)

A. Basic documents of the Conference

	Document		Document
Conference Chairmanships	89	COMMITTEE 4 (cont.)	
Structure of the Conference	88	5th meeting	194
List of participants	326	6th meeting	225
PLENARY MEETING		7th meeting	246
<i>Minutes</i>		8th meeting	258
1st meeting	97(Rev.1)	9th meeting	273
2nd meeting	116	10th meeting	288
3rd meeting	169	11th and last meeting	312
4th meeting	257(Rev.1)+Corr.1		
5th meeting	314	COMMITTEE 5	
6th meeting	318	(MSS and other questions)	
7th meeting	319	<i>Summary records</i>	
8th meeting	320	1st meeting	102 + Corr.1
9th meeting	321	2nd meeting	106 + Corr.1
10th meeting	322	3rd meeting	111
11th meeting	323	4th meeting	146
12th meeting	324	5th meeting	177+Corr.1,2
13th and last meeting	325	6th meeting	183
COMMITTEE 2		7th meeting	184
(Credentials)		8th meeting	211
<i>Summary record</i>		9th meeting	224
1st and last meeting	109	10th meeting	242
Report	254 + Corr.1	11th meeting	261
COMMITTEE 3		12th meeting	286
(Budget Control)		13th meeting	306
<i>Summary record</i>		14th meeting	313
1st and last meeting	113	15th meeting	315
Report	259	16th meeting	316
COMMITTEE 4		17th and last meeting	317
(VGE Report)		COMMITTEE 6	
<i>Summary records</i>		(Editorial)	
1st meeting	103	<i>Summary record</i>	
2nd meeting	105(Rev.1) ¹⁾	1st and last meeting	114
3rd meeting	133 + Corr.1		
4th meeting	157		

1) The revised version concerns the English text only.

B. List of documents

Document No.	Source	Title	Destination
1	SG	Agenda of the Conference	PL
2	SG	Credentials of Delegations to Conferences	PL
3	CPM	The CPM Report to the 1995 World Radiocommunication Conference	C4, C5, WG PL
4 + Corr.1	S	Proposals for the work of the Conference	C4
5 + Add.1 + Corr.1, 2	EUR	European common proposals for the work of the Conference	C4, C5, WG PL
6	FIN	Proposals for the work of the Conference	C4
7 + Add.1	RUS	Proposals for the work of the Conference	C4, C5, WG PL
8	ARG	Proposals for the work of the Conference	C4, C5, WG PL
9 ²⁾	USA	Proposals for the work of the Conference	C4, C5, WG PL
10(Rev.1)	MKD	Proposals for the work of the Conference	C4
11	D	Proposals for the work of the Conference	C4
12(Rev.1) ³⁾ + Corr.1	ZWE	Proposals for the work of the Conference	C4, C5, WG PL
13 + Corr.1	HOL	Proposals for the work of the Conference	C4
14(Rev.1)	HRV	Proposals for the work of the Conference	C4
15(Rev.1)	SG	Application of Article 25 of the Radio Regulations	C4
16	SG	Allocation of call sign series made on a provisional basis in accordance with No. 2086 of the Radio Regulations	C4
17 + Add.1 + Corr.1	B	Proposals for the work of the Conference	C4, C5, WG PL
18 + Add.1 + Add.1(Corr.1)	CAN	Proposals for the work of the Conference	C4, C5, WG PL
19 + Add.1 + Corr.1	AUS	Proposals for the work of the Conference	C4, C5, WG PL
20	BR	Activities of the Radiocommunication Sector	PL

2) 9 + Add.1 to 18 + Add.1(Corr.1) + Add.7(Corr.1 and 2) + Corr.1 to Add.7(Corr.2) + Add.9(Corr.1) + Add.14(Corr.1 and 2) + Add.15(Corr.1)

3) The revised version does not concern the English text.
CONF/CMR95/300/327E.DOC 08.01.96

Document No.	Source	Title	Destination
21 + Add.1+ Corr.1	BR	Matters relating to the VGE Report, the CPM Report and other issues	C4, C5, WG PL
22	J	Proposals for the work of the Conference	C4, C5, WG PL
23	ALG	Proposals for the work of the Conference	C4, C5
24	ICAO	ICAO Information Paper	C4, C5
25	IRN	Proposals for the work of the Conference	C4, C5, WG PL
26 + Add.1	PRG	Proposals for the work of the Conference	C4
27 + Add.1	BR	Implementation of Resolution 18 (PP-94)	PL
28	KEN	Proposals for the work of the Conference	C4, C5, WG PL
29 + Corr.1,2	NZL	Proposals for the work of the Conference	C4, C5, WG PL
30	MLI	Proposals for the work of the Conference	C4, C5, WG PL
31 + Corr.1	CZE,SVK	Proposals for the work of the Conference	C4
32	CZE	Proposals for the work of the Conference	C4
33	⁴⁾	Proposals for the work of the Conference	PL
34 + Add.1+Corr.1	⁵⁾	Proposals for the work of the Conference	PL
35 + Corr.1,2	⁶⁾	Proposals for the work of the Conference	PL
36	⁴⁾	Proposals for the work of the Conference	C5
37 + Corr.1(Rev.1) + Corr.2	⁷⁾	Proposals for the work of the Conference	WG PL
38 + Corr. 1	ARS,KWT, MRC,SYR, OMA	Proposals for the work of the Conference	WG PL
39 + Add.1(Rev.1) ⁸⁾	SEN	Proposals for the work of the Conference	C4, C5, WG PL
40	LTU	Proposals for the work of the Conference	C4

4) ARS, EGY, UAE, KWT, LBN, MRC, OMA, QAT, SYR, TUN, YEM.

5) ALG, ARS, BHR, EGY, UAE, JOR, KWT, LBN, MRC, MTN, OMA, QAT, SYR, TUN, YEM

6) ARS, BHR, CLM, EGY, UAE, EQA, KWT, LBN, MRC, OMA, QAT, SYR, TUN, YEM

7) ARS, BHR, UAE, KWT, LBN, OMA, QAT, SYR, TUN.

8) The revised version does not concern the English text.

Document No.	Source	Title	Destination
41 + Add.1+Corr.1	IND	Proposals for the work of the Conference	C4, C5, WG PL
42	SG	Budget of the World Radiocommunication Conference	C3
43	SG	Financial Responsibilities	C3
44(Rév.1) + Add.1	KOR	Proposals for the work of the Conference	C4, C5, WG PL
45	INTELSAT	Intelsat Document	C5
46	IMO	IMO Document	C4, C5, WG PL
47	SG	Invitations	PL
48	SG	Participation requests submitted by International Organizations	PL
49	MLA	Proposals for the work of the Conference	PL
50	SG	List of documents (1 - 50)	-
51 + Corr.1	SVN	Proposals for the work of the Conference	C4
52	EST	Proposals for the work of the Conference	C4
53	TZA	Proposals for the work of the Conference	C4, C5 WG PL
54	F	Proposals for the work of the Conference	C4
55	CME	Proposals for the work of the Conference	C4
56 + Add.1	INS	Proposals for the work of the Conference	C4, C5 WG PL
57	THA	Proposals for the work of the Conference	C4, C5 WG PL
58	UZB	Proposals for the work of the Conference	C4, C5 WG PL
59	F	Proposals for the work of the Conference	Ad hoc 5C1 Grp
60	S	Proposals for the work of the Conference	WG PL
61(Rév.1)	CVA	Proposals for the work of the Conference	WG PL
62 + Add.1	CHN	Proposals for the work of the Conference	C4, C5 WG PL
63	CUB	Proposals for the work of the Conference	C4, C5 WG PL
64	CAN	Information paper related to Canada proposals to the Conference numbers CAN/18/21 to CAN/18/25 inclusive	C5
65	CAN	Impact of MSS allocations at 2 GHz on fixed systems	C5

Document No.	Source	Title	Destination
66	F	Information document on SCP methodology	C5
67 + Corr.1	LVA	Proposals for the work of the Conference	C4
68 + Add.1,2	UGA	Proposals for the work of the Conference	C4, C5
69 + Add.1	EQA	Proposals for the work of the Conference	C4, C5
70	Chairman VGE	Introduction to the VGE Report	PL
71	HRV	Proposals for the work of the Conference	PL
72	IARU	Paper from the International Amateur Radio Union	PL
73 + Corr.1,2	CME,NIG	Proposals for the work of the Conference	C4, C5 WG PL
74 + Corr.1	POL	Proposals for the work of the Conference	C4
75	PHL	Proposals for the work of the Conference	C4, C5
76	IRL	Proposals for the work of the Conference	C4
77	TUR	Proposals for the work of the Conference	C4
78	SG	Loss of the right to vote	PL
79	SG	Secretariat of the Conference	-
80	MEX	Proposals for the work of the Conference	C4, C5
81	USA	Information paper	PL
82	CUB	Proposals for the work of the Conference	C4
83(Rev.1)	F	Protection of the mobile service with respect to non-geostationary satellite systems in the band 137 / 138 MHz	C5
84	USA	Information paper	PL
85	I	Proposals for the work of the Conference	C4
86	SG	General schedule of the Conference	-
87	SG	Allocation of Documents	PL
88	SG	Structure of the World Radiocommunication Conference (WRC-95)	-
89	-	Chairmanship of the Conference	-
90	BRU,MLA SNG	Proposals for the work of the Conference	C4, C5
91 + Corr. 1	PNG	Proposals for the work of the Conference	C4
92	LUX	Proposals for the work of the Conference	C4
93	SG	Contribution of entities and organizations to the expenses of the Conference	C3

Document No.	Source	Title	Destination
94	SG	Situation of the accounts of the WRC-95 as at 24 October 1995	C3
95	C5	Organization of the Work of Committee 5	C5
96	WG 4B	Note to the Chairman of Committee 4	C4
97(Rev.1)	SG	Minutes of the first Plenary Meeting	PL
98	ZMB	Proposals for the work of the Conference	C4, C5
99	UKR	Proposals for the work of the Conference	WG PL
100	SG	List of Documents (51 - 100)	-
101	C4	Organization of the work of Committee 4	C4
102 + Corr.1	C5	Summary record of the first meeting of Committee 5	C5
103	C4	Summary record of the first meeting of Committee 4	C4
104 + Corr.1	⁹⁾	Proposals for the work of the Conference	WG PL
105(Rev.1) ¹⁰⁾	C4	Summary record of the second meeting of Committee 4	C4
106 + Corr.1	C5	Summary record of the second meeting of Committee 5	C5
107	SG	Transfer of powers Micronesia - United States	PL
108(Rev.1)	WG PL	Organization of the work of the Working Group of the Plenary	WG PL
109	C2	Summary record of the first meeting of Committee 2	C2
110	C3	Note by the Chairman of Committee 3 to the Chairmen of Committees 4, 5 and Working Group of the Plenary	C4, C5, WG PL
111	C5	Summary record of the third meeting of Committee 5	C5
112	CLN	Proposals for the work of the Conference	C4
113	C3	Summary record of the first meeting of Committee 3	C3
114	C6	Summary record of the first meeting of Committee 6	C6
115	J	Proposals for the work of the Conference	Ad Hoc of the PL
116	PL	Minutes of the second Plenary meeting	PL
117	ALB	Proposals for the work of the Conference	C4
118	WG 4A	First report of Working Group 4A	C4
119	USA	Information paper	C5
120	C4	Coordination of work relating to Resolution 46	C5

⁹⁾ BFA, CME, CTI, GAB, GUI, MLI, MTN, UGA, SEN, TCD, TGO.

¹⁰⁾ The revised version concerns the English text only.

Document No.	Source	Title	Destination
121	J	Proposals for the work of the Conference	C4, C5, WG PL
122	S	Proposals for the work of the Conference	WG 4C
123 + Corr.1	11)	Information document	C5
124(Rev.1)	C4	Incorporation by reference	C4
125 + Add.1 + Add.1(Corr.1)	AFS	Proposals for the work of the Conference	C4, C5
126	LUX	Proposals for the work of the Conference	PL
127	WG 4A	Second report of Working Group 4A	C4
128 + Corr.1	ISR	Proposals for the work of the Conference	C5, WG PL
129	ICSU	Information paper	C5
130 +Corr.1	12)	Statement regarding the non-geostationary fixed-satellite service (NGSO FSS)	PL
131	C5	First series of texts submitted by Committee 5 to the Editorial Committee	C6
132	ISR	Proposals for the work of the Conference	C4, C5
133 + Corr.1	C4	Summary record of the third meeting of Committee 4	C4
134	HOL	Proposals for the work of the Conference	WG PL
135	13)	Proposals for the work of the Conference	WG PL
136	AUT	Proposals for the work of the Conference	C4
137	E, POR	Proposals for the work of the Conference	C4
138	C5	ITU-R Recommendations for determination of coordination distances in bands that may be subject to the procedures of MOD Resolution 46	C4, C5
139	DNK, FIN, NOR, S	Proposals for the work of the Conference	C4
140	WG PL	Draft revision of Resolution 712 (Rev. WRC-95)	WG PL
141	INS	Proposals for the work of the Conference	WG 5A
142	WG 4A	Third report of Working Group 4A	C4
143	I	Proposals for the work of the Conference	C4
144	CAN	Document information	PL

11) ARG, B, CAN, CHL, CLM, EQA, USA, HND, JMC, MEX, PRG, PRU, SUR, TRD, URG, VEN

12) ARG, B, CAN, CHL, CLM, EQA, USA, HND, JMC, MEX, PRG, PRU, SUR, TRD, URG, VEN

13) AUS, CHN, KOR, IND, INS, IRN, J, MLA, NZL

Document No.	Source	Title	Destination
145	BR	Report from the Radiocommunication Assembly to the World Radiocommunication Conference (Geneva, 1995)	PL
146	C5	Summary record of the fourth meeting of Committee 5	C5
147	J	Proposals for the work of the Conference	C4
148	USA	Proposals for the work of the Conference	WG 5B
149	WG 4B	Report by the Chairman of Working Group 4B to the Chairman of Committee 4	C4
150	SG	List of documents (101 - 150)	-
151	MRC	Proposals for the work of the Conference	C4, C5
152	WG 5B	Note by the Chairman of Working Group 5B to the Chairman of Working Group 4B	WG 4B
153	MRC	Proposals for the work of the Conference	WG 5B
154	WG 4B	Report by the Chairman of Working Group 4B to the Chairman of Committee 4	C4
155	C4	First series of texts submitted by Committee 4 to the Editorial Committee	C6
156	USA	Information paper	WG 5A
157	C4	Summary record of the fourth meeting of Committee 4	C4
158 + Corr.1	¹⁴⁾	Proposals for the work of the Conference	C5
159(Rév.2)	WG 4C	Third Report of Working Group 4C	C4
160	JOR	Proposals for the work of the Conference	C4
161	WG 4B	First Report from the Chairman of Working Group 4B to Committee 4	C4
162 + Corr.1(Rév.1)	WG 4B	Second Report from the Chairman of Working Group 4B to Committee 4	C4
163	WG 2A	First Report by Working Group 2A to Committee 2	C2
164(Rév.1)	WG PL	First series of texts submitted by the Working Group of the Plenary to the Editorial Committee	C6
165 + Corr.1-3	¹⁵⁾	Proposals for the work of the Conference	WG 5A
166 +Corr.1	¹⁶⁾	Proposals for the work of the Conference	WG 5A
167 + Add.1	PAK	Proposals for the work of the Conference	WG PL

¹⁴⁾ ARG, B, CAN, CHL, CLM, EQA, USA, HND, JMC, MEX, PRG, PRU, SUR, TRD, URG, VEN.

¹⁵⁾ BRU, CHN, KOR, IRN, J, MLA, MLI, PAK, RUS, SEN, SNG, THA.

¹⁶⁾ BRU, CHN, KOR, IND, J, MLA, PHL, RUS, SNG, THA.

Document No.	Source	Title	Destination
168	WG 5B	First Report of the Chairman of Working Group 5B to Committee 5	C5
169	PL	Minutes of the third Plenary Meeting	PL
170	17)	Proposals for the work of the Conference	WG PL
171	AFG	Proposals for the work of the Conference	C4, C5 WG PL
172	JMC	Proposals for the work of the Conference	C4
173	TRD	Proposals for the work of the Conference	C4
174	MDA	Proposals for the work of the Conference	C4
175	SRL	Proposals for the work of the Conference	C4
176 +Add.1	WG 4C	Report by the Chairman of Working Group 4C	C4
177 + Corr.1,2	C5	Summary record of the fifth meeting of Committee 5	C5
178 +Add.1+Corr.1	C4	Second series of texts submitted by Committee 4 to the Editorial Committee	C6
179	VTN	Proposals for the work of the Conference	C4
180	C6	B.1 - First series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
181	WG PL	Draft Recommendation [GTPLEN XY]	WG PL
182	BHR	Proposals for the work of the Conference	C4
183	C5	Summary record of the sixth meeting of Committee 5	C5
184	C5	Summary record of the seventh meeting of Committee 5	C5
185	WG 4A	Fourth Report of Working Group 4A	C4
186 + Corr.1,2	WG 4B	Third report from the Chairman of Working Group 4B to Committee 4	C4
187(Rev.1)	J	Proposals for the work of the Conference	C5
188	WG 5B	Second Report of the Chairman of Working Group 5B to Committee 5	C5
189	C5	Preliminary compilation of coordination distances for bands that may be subject to the procedures of MOD Resolution 46	C4, C5
190	WG 4C	Report of the Chairman of Working Group 4C	C4
191	SG	Draft Resolution	PL
192	Ad hoc 2/C5	Report of the Chairman of Committee 5 ad hoc 2	C5

17) AUS, CHN, IND, INS, IRN, J, MLA, MNG, PAK, THA.
CONF/CMR95/300/327E.DOC

Document No.	Source	Title	Destination
193	SG	Draft Resolution: Operation of satellite global systems for personal communications	PL
194	C4	Summary record of the fifth meeting of Committee 4	C4
195	LVA	Proposals for the work of the Conference	C4
196	WG 4C	Final report of the Chairman of Working Group 4C	C4
197	ZMB	Proposals for the work of the Conference	C4
198 +Add.1+Corr.1	WG 4B	Report from Working Group 4B to Committee 4	C4
199	IND, USA	Proposals for the work of the Conference	WG PL
200	SG	List of documents (151 - 200)	-
201	WG 4A	Fifth Report from Working Group 4A to Committee 4	C4
202(Rev.1)+ Corr.1	WG 5C	First Report of the Chairman of Working Group 5C to Committee 5	C5
203	C5	Note by the Chairman of Committee 5 to the Chairman of the Working Group of the Plenary relating to the coordination process amongst networks in the mobile-satellite service	WG PL
204	C5	Second series of texts submitted by Committee 5 to the Editorial Committee	C6
205	WG PL	Note by the Chairman of the Working Group of the Plenary: Draft Resolution GT PLEN-[ZZ]	WG PL
206	C4	Note by the Chairman of Committee 4	C6
207	WG PL	Draft Resolution [WGPLEN/AA] relating to HFBC	WG PL
208	WG 5A	First Report of the Chairman of Working Group 5A to Committee 5	C5
209 + Corr.1,2	C6	B.2 - Second series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
210	WG 5B	Third Report of the Chairman of Working Group 5B to Committee 5	C5
211	C5	Summary record of the eighth meeting of Committee 5	C5
212	TON	Proposals for the work of the Conference	C4
213	MNG	Proposals for the work of the Conference	C4
214	MRC	Proposals for the work of the Conference	C4
215	C4	Third series of texts submitted by Committee 4 to the Editorial Committee	C6

Document No.	Source	Title	Destination
216 + Corr.1-4	18)	Proposals for the work of the Conference	C5
217	C4	References in Appendices 30, 30A and 30B to existing Radio Regulations provisions and the equivalent new provisions	C4
218 + Add.1	SYR	Proposals for the work of the Conference	C4
219	WG 5B	Fourth Report of the Chairman of Working Group 5B to Committee 5	C5
220(Rév.1)	Drafting Group 5Bc	Report of Drafting Group 5Bc	C5
221	Ad hoc 5B1	Report of the Chairman, Ad Hoc Group 5B1	C5
222	WG 5B	Fifth Report of the Chairman of Working Group 5B to Committee 5	C5
223 + Corr.1	WG PL	Report of WRC-95 to WRC-97 on review and revision of Appendices 30 and 30A of the Radio Regulations	WG PL
224	C5	Summary record of the ninth meeting of Committee 5	C5
225	C4	Summary record of the sixth meeting of Committee 4	C4
226 + Add.1	GAB	Proposals for the work of the Conference	C4, C5
227	PL	Note of the Chairman	PL
228	WG 5B	Report on transitional arrangements in the 2 GHz Band	C5
229	19)	Proposals for the work of the Conference	WG PL
230	KWT	Proposals for the work of the Conference	C4
231	MTN	Proposals for the work of the Conference	C4
232	LBN	Proposals for the work of the Conference	C4
233	C6	B.3 - Third series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
234	C6	R.1 - First series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
235(Rév.2)	C6	B.4 - Fourth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
236	GRC	Proposals for the work of the Conference	C5
237	C4	Fourth series of texts submitted by Committee 4 to the Editorial Committee	C6

18) CME, GUI, GNB, LSO, MLI, NIG, UGA, SEN, AFS, TZA, ZWE.

19) ANG, GNB, URG.

Document No.	Source	Title	Destination
238 + Corr.1,2	C5	Third series of texts submitted by Committee 5 to the Editorial Committee	C6
239	WG 5A	Second report from the Chairman of Working Group 5A to Committee 5	C5
240	WG 5C	Second report of the Chairman of Working Group 5C	C5
241	C4	Note by the Chairman of Committee 4	PL, C6
242	C5	Summary record of the tenth meeting of Committee 5	C5
243 + Corr.1	F	Proposals for the work of the Conference	PL
244	C5	Fourth series of texts submitted by Committee 5 to the Editorial Committee	C6
245 + Corr.1	WG PL	Second series of texts submitted by the Working Group of the Plenary to the Editorial Committee	C6
246	C4	Summary record of the seventh meeting of Committee 4	C4
247	C6	B.5 - Fifth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
248	Informal Group	Informal Group relating to allocations in the bands 149.9 - 150.05 and 399.0 - 400.05 MHz - Report on allocations	C5
249	Ad hoc 4/ C5	Report on transitional arrangements in the 2 GHz band	C5
250	SG	List of documents (201 - 250)	-
251	BFA	Proposals for the work of the Conference	C4
252	C5	Fifth series of texts submitted by Committee 5 to the Editorial Committee	C6
253	GVE	Alignment of footnotes	PL
254 + Corr.1	C2	Report by Committee 2 (Credentials) to the Plenary Meeting	PL
255	WG PL	Draft Resolution: Agenda for the 1997 World Radiocommunication Conference	WG PL
256	NPL	Proposals for the work of the Conference	C4
257(Rev.1) +Corr.1	PL	Minutes of the fourth Plenary Meeting	PL
258	C4	Summary record of the eighth meeting of Committee 4	C4
259	C3	Report of the Budget Control Committee to the Plenary Meeting	PL
260	20)	Proposals for the work of the Conference	C5

20) B, CAN, CHL, EQA, USA, HND, JMC, MEX, PRU, SUR, TRD, URG, VEN.
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Document No.	Source	Title	Destination
261	C5	Summary record of the eleventh meeting of Committee 5	C5
262	C5	Note by the Chairman of Committee 5	C5
263	TGO	Proposals for the work of the Conference	C4
264	C6	B.6 - Sixth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
265	C6	R.2 - Second series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
266	C6	R.3 - Third series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
267 + Add.1	C4	Fifth series of texts submitted by Committee 4 to the Editorial Committee	C6
268	C4	Sixth series of texts submitted by Committee 4 to the Editorial Committee	C6
269	C4	Seventh series of texts submitted by Committee 4 to the Editorial Committee	C6
270	C5	Sixth series of texts submitted by Committee 5 to the Editorial Committee	C6
271	C4	Annex 2 to Resolution 46	C4
272	21)	Proposals for the work of the Conference	PL
273	C4	Summary record of the ninth meeting of Committee 4	C4
274	WG 5B	Final report of the Chairman of Working Group 5B	C5
275	C4	Eighth series of texts submitted by Committee 4 to the Editorial Committee	C6
276	BEN	Proposals for the work of the Conference	PL
277	PRU	Proposals for the work of the Conference	PL
278	Ad hoc 4/ C5	Report on MSS allocations in the 2 GHz band	C5
279	GNB	Proposals for the work of the Conference	PL
280	GUI	Proposals for the work of the Conference	PL
281 + Corr.1-3	22)	Proposals for the work of the Conference	PL
282 + Corr.1(Rev.1)	C5	Seventh and last series of texts submitted by Committee 5 to the Editorial Committee	C6

21) AFG, BRU, CHN, KOR, IND, J, MLA, NPL, PNG, PHL, SNG, THA, VTN.

22) ALG, CPV, GNB, MLI, LBY, SYR, TUN.

Document No.	Source	Title	Destination
283	C6	B.7 - Seventh series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
284	C6	B.8 - Eighth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
285(Rev.2)	C4	Note by the Chairman of Committee 4	PL
286	C5	Summary record of the twelfth meeting of Committee 5	C5
287	C4	Ninth series of texts submitted by Committee 4 to the Editorial Committee	C6
288	C4	Summary record of the tenth meeting of Committee 4	C4
289	PL	Final days of the Conference	-
290	EGY	Proposals for the work of the Conference	PL
291	WG PL	Third and last series of texts submitted by the Working Group of the Plenary to the Editorial Committee	C6
292 ²³⁾ + Corr.1	C6	B.9 - Ninth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
293	C4	Tenth and last series of texts submitted by Committee 4 to the Editorial Committee	C6
294	WG PL	Report by the Chairman of the Working Group of the Plenary	PL
295	Chairman	Draft Resolution [PLEN-X]: Use of the bands 19.3-19.7 GHz and 29.1-29.5 GHz by feeder links for non-GSO MSS networks	PL
296	C6	B.10 - Tenth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
297	C6	B.11 - Eleventh series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
298	C6	R.4 - Fourth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
299	C6	R.5 - Fifth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
300	C6	R.6 - Sixth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
301	C6	B.12 - Twelfth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
302	C6	B.13 - Thirteenth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL

23) This document was published in two parts A and B.

Document No.	Source	Title	Destination
303	C6	B.14 - Fourteenth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
304	C6	B.15 - Fifteenth series of texts submitted by the Editorial Committee to the Plenary Meeting	PL
305 + Add.1	C6	Note by the Chairman of Committee 6	PL
306	C5	Summary record of the thirteenth meeting of Committee 5	C5
307	SG	Signing Ceremony	-
308	Prés.	Note by the Chairman of the Conference	PL
309	C5	Note by the Chairman of Committee 5	PL
310	-	Declarations	-
311	-	Additional Declarations	-
312	C4	Summary record of the eleventh and last meeting of Committee 4	C4
313	C5	Summary record of the fourteenth meeting of Committee 5	C5
314	PL	Minutes of the fifth Plenary Meeting	PL
315	C5	Summary record of the fifteenth meeting of Committee 5	C5
316	C5	Summary record of the sixteenth meeting of Committee 5	C5
317	C5	Summary record of the seventeenth and last meeting of Committee 5	C5
318	PL	Minutes of the sixth Plenary Meeting	PL
319	PL	Minutes of the seventh Plenary Meeting	PL
320	PL	Minutes of the eighth Plenary Meeting	PL
321	PL	Minutes of the ninth Plenary Meeting	PL
322	PL	Minutes of the tenth Plenary Meeting	PL
323	PL	Minutes of the eleventh Plenary Meeting	PL
324	PL	Minutes of the twelfth Plenary Meeting	PL
325	PL	Minutes of the thirteenth and last Plenary Meeting	PL
326	-	Final list of participants	-
327	SG	Final list of documents	-