



This electronic version (PDF) was scanned by the International Telecommunication Union (ITU) Library & Archives Service from an original paper document in the ITU Library & Archives collections.

La présente version électronique (PDF) a été numérisée par le Service de la bibliothèque et des archives de l'Union internationale des télécommunications (UIT) à partir d'un document papier original des collections de ce service.

Esta versión electrónica (PDF) ha sido escaneada por el Servicio de Biblioteca y Archivos de la Unión Internacional de Telecomunicaciones (UIT) a partir de un documento impreso original de las colecciones del Servicio de Biblioteca y Archivos de la UIT.

(ITU) نتاج تصوير بالمسح الضوئي أجراه قسم المكتبة والمحفوظات في الاتحاد الدولي للاتصالات (PDF) هذه النسخة الإلكترونية نقلاً من وثيقة ورقية أصلية ضمن الوثائق المتوفرة في قسم المكتبة والمحفوظات.

此电子版（PDF 版本）由国际电信联盟（ITU）图书馆和档案室利用存于该处的纸质文件扫描提供。

Настоящий электронный вариант (PDF) был подготовлен в библиотечно-архивной службе Международного союза электросвязи путем сканирования исходного документа в бумажной форме из библиотечно-архивной службы МСЭ.



Documents of the World Radiocommunication Conference (WRC-93) (Geneva, 1993)

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

- This PDF includes Document No. 1-81
- The complete set of conference documents includes Document No. 1-81, Document DL No. 1 and 3, and Document DT No. 1-11



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, NOVEMBER 1993

Document 1(Rev.1)-E

30 July 1993

Original: English

PLENARY MEETING

Note by the Secretary-General

AGENDA OF THE CONFERENCE

The agenda of the World Radiocommunication Conference (WRC-93) is contained in Resolution No. 1032 adopted by the Council.

The text of the Resolution is attached.

Pekka TARJANNE
Secretary-General

Annex: 1



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

ANNEX

R No. 1032 World Radiocommunication Conference, 1993

The Administrative Council,
having considered

1. APP Resolution No. 9 (PLEN/4),
2. APP Resolution No. 8 (PLEN/1),

resolves

to convene a World Radiocommunication Conference in Geneva, for a period of five days starting on 15 November 1993, with the following agenda:

1. to make recommendations to the Council concerning the agenda for the 1995 World Radiocommunication Conference, including the review of the Radio Regulations based on the report of the Voluntary Group of Experts and any guidance on facilitating the use of frequency bands allocated to the mobile-satellite service, by recommending the inclusion of these matters in the agenda of the 1995 World Radiocommunication Conference; and
 2. to make recommendations for the preliminary agenda for the 1997 World Radiocommunication Conference.
-



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, NOVEMBER 1993

Document 1-E
23 July 1993
Original: English

PLENARY MEETING

Note by the Secretary-General

AGENDA OF THE CONFERENCE

The agenda of the World Radiocommunication Conference (WRC-93) is contained in Resolution No. 1032 adopted by the Council.

The text of the Resolution is attached.

Pekka TARJANNE
Secretary-General

Annex: 1



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

ANNEX

R No. 1032 World Radiocommunication Conference, 1993

The Administrative Council,

having considered

1. APP Recommendation No. PLEN/4,
2. APP Recommendation No. PLEN/1,

resolves

to convene a World Radiocommunication Conference in Geneva, for a period of five days starting on 15 November 1993, with the following agenda:

1. to make recommendations to the Council concerning the agenda for the 1995 World Radiocommunication Conference, including the review of the Radio Regulations based on the report of the Voluntary Group of Experts and any guidance on facilitating the use of frequency bands allocated to the mobile-satellite service, by recommending the inclusion of these matters in the agenda of the 1995 World Radiocommunication Conference; and
 2. to make recommendations for the preliminary agenda for the 1997 World Radiocommunication Conference.
-



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, NOVEMBER 1993

Document 2-E

23 July 1993

Original: English

PLENARY MEETING

Note by the Secretary-General

CREDENTIALS OF DELEGATIONS TO CONFERENCES

The provisions of the Convention of the International Telecommunication Union (Geneva, 1992) relating to credentials are contained in Article 31, the text of which is attached.

Particular attention should be given to the following numbers:

	<u>Nos.</u>
- the Office of the signatory of the instruments:	326
- the wording of the instruments, criteria to be employed:	328 to 331
- credentials sent by telegram shall not be accepted:	338
- the depositing of instruments:	334

Pekka TARJANNE
Secretary-General

Annex: 1



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

ANNEX

CONVENTION OF THE INTERNATIONAL TELECOMMUNICATION UNION

ARTICLE 31

Credentials for Conferences

- 324** 1. The delegation sent by a Member of the Union to a Plenipotentiary Conference, a radiocommunication conference or a world conference on international telecommunications shall be duly accredited in accordance with Nos. 325 to 331 below.
- 325** 2. (1) Accreditation of delegations to Plenipotentiary Conferences shall be by means of instruments signed by the Head of State, by the Head of Government or by the Minister for Foreign Affairs.
- 326** (2) Accreditation of delegations to the other conferences referred to in No. 324 above shall be by means of instruments signed by the Head of State, by the Head of Government, by the Minister for Foreign Affairs or by the Minister responsible for questions dealt with during the conference.
- 327** (3) Subject to confirmation prior to the signature of the Final Acts, by one of the authorities mentioned in Nos. 325 or 326 above, a delegation may be provisionally accredited by the Head of the diplomatic mission of the Member concerned to the host government. In the case of a conference held in the Swiss Confederation, a delegation may also be provisionally accredited by the Head of the permanent delegation of the Member concerned to the United Nations Office at Geneva.
- 328** 3. Credentials shall be accepted if they are signed by one of the competent authorities mentioned in Nos. 325 to 327 above, and fulfil one of the following criteria:
- 329** – they confer full powers on the delegation;
- 330** – they authorize the delegation to represent its government, without restrictions;
- 331** – they give the delegation, or certain members thereof, the right to sign the Final Acts.
- 332** 4. (1) A delegation whose credentials are found to be in order by the Plenary Meeting shall be entitled to exercise the right to vote of the Member concerned, subject to the provisions of Nos. 169 and 210 of the Constitution, and to sign the Final Acts.
- 333** (2) A delegation whose credentials are found not to be in order by the Plenary Meeting shall not be entitled to exercise the right to vote or to sign the Final Acts until the situation has been rectified.
- 334** 5. Credentials shall be deposited with the secretariat of the conference as early as possible. The Committee referred to in No. 361 of this Convention shall be entrusted with the verification thereof and shall report on its conclusions to the Plenary Meeting within the time specified by the latter. Pending the decision of the Plenary Meeting thereon, any delegation shall be entitled to participate in the conference and to exercise the right to vote of the Member concerned.
- 335** 6. As a general rule, Members of the Union should endeavour to send their own delegations to conferences of the Union. However, if a Member is unable, for exceptional reasons, to send its own delegation, it may give the delegation of another Member powers to vote and sign on its behalf. Such powers must be conveyed by means of an instrument signed by one of the authorities mentioned in Nos. 325 or 326 above.

- 336** 7. A delegation with the right to vote may give to another delegation with the right to vote a mandate to exercise its vote at one or more meetings at which it is unable to be present. In such a case it shall, in good time, notify the Chairman of the conference in writing.
- 337** 8. A delegation may not exercise more than one proxy vote.
- 338** 9. Credentials and transfers of powers sent by telegram shall not be accepted. Nevertheless, replies sent by telegram to requests by the Chairman or the secretariat of the conference for clarification of credentials shall be accepted.
- 339** 10. A Member or an authorized entity or organization intending to send a delegation or representatives to a telecommunication standardization conference, a telecommunication development conference or a radiocommunication assembly shall so inform the Director of the Bureau of the Sector concerned, indicating the names and functions of the members of the delegation or of the representatives.
-



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, NOVEMBER 1993

Document 3-E
23 July 1993
Original: English

PLENARY MEETING

Note by the Secretary-General

RESOLUTIONS AND RECOMMENDATIONS OF THE
RADIO REGULATIONS

The attached Annexes were established in the Radiocommunication Bureau:

- **Annex 1** lists those Resolutions and Recommendations adopted by past radiocommunication conferences that refer to a ".... next competent world radiocommunication conference".
- **Annex 2** lists those texts that do not explicitly refer to the next competent conference but may be considered for deletion as well as those texts that refer to regional conferences or that are addressed to administrations. The texts are listed in numerical order; the title of the respective text is circumscribed in short by the subject dealt with in the text and possible action is indicated for consideration by administrations.

Furthermore, numerous Resolutions/Recommendations have to be re-edited in order to replace references to CCITT, CCIR and the IFRB by the relevant new references.

These lists are intended to facilitate preparation of agendas for future conferences and to support on-going review of texts in force which may require action at future conferences.

Pekka TARJANNE
Secretary-General

Annexes: 2



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

ANNEX 1

List of Resolutions and Recommendations referring to "... the next competent WRC"

Text	Subject	Action	Proposed for consideration			Remarks
			1995	1997	1999 or later	
Res. 4	Validity of space assignments	review				
Res. 13	Calls signs	report				
Res. 34	BC-SAT Plan for Region 3 (12.5-12.75)	establish Plan?				
Res. 35	Disagreement	update				
Res. 39	International monitoring	revise				
Res. 46	Non-geo coordination	review				
Res. 60	Review of APP 28	revise				
Res. 63	Interference from ISM	review				
Res. 94	Review of Resolutions/Recommendations	report				
Res. 110	MPMs	review/report				
Res. 112	Review of RR 855A	report				
Res. 200	J3E for 2182 kHz	report				
Res. 209	GMDSS in RR	report				
Res. 211	Terrestrial/space sharing in GHz	report				
Res. 300	NBDP in HF MOBMAR	report				
Res. 310	Ship movement Telemetry etc.	report				
Res. 314	Oceanographic data/plan	report				
Res. 319	Review 4/8 MHz MOBMAR	report				
Res. 330	Routine calling frequency	review				
Res. 331	GMDSS provisions	review				
Res. 332	NAVTEX transmissions	review				
Res. 333	Maritime safety info	review				
Res. 334	Article 66 RR	review				
Res. 408	Use of 136-137 MHz	review				
Res. 505	BC SAT in 0.5-2 GHz					
Res. 508	WRC for HF-BC					
Res. 515	HFBC Planning System	report				
Res. 517	SSB HFBC	review				
Res. 519	Provisions on interim systems	review				
Res. 522	BSS (sound)	report				
Res. 523	Planning for HFBC	report				
Res. 524	Revision of APP30/30A	report				
Res. 526	Procedures for wide-band HDTV	report				
Res. 527	Terrestrial DSB	report				
Res. 528	BSS-sound/BC in 1-3 GHz	report				
Res. 706	FX in 90-110 kHz	review				
Res. 710	METSAT/EESS in 401-403 MHz	review				
Res. 711	Reallocation of space missions	report				
Res. 712	Other allocation issues	report				

Text	Subject	Action	Proposed for consideration			Remarks
			1995	1997	1999 or later	
Rec. 2	Congestion in space bands	report				
Rec. 13	Revision of the RR	review				
Rec. 14	Identification of special vessels	report				
Rec. 15	Application of Article 14 RR	report/review				
Rec. 65	Spectrum sharing techniques	report				
Rec. 66	Spurious emissions	report				
Rec. 72	Terminology	report				
Rec. 100	Use of troposcatter	report				
Rec. 305	APP 18 channels 15/17	review				
Rec. 310	Automatic UHF MAR comm.	report				
Rec. 317	Priority indicator signal	review				
Rec. 318	Efficient use of APP 18	report/review				
Rec. 319	Adjacent channel use APP32	report				
Rec. 406	Review of APP 26					
Rec. 407	APP 27 sub-area 5B					
Rec. 519	Introduction of SSB	review				
Rec. 605	Use of ship borne transponders	report				
Rec. 606	RNAV in 4200-4400 MHz	report				
Rec. 607	RNAV in 5000-5250 MHz	report				
Rec. 621	Wind Profiler Radars	report				
Rec. 707	Sharing criteria for 32-33 GHz	report				
Rec. 709	Sharing MOBAERO/inter-satellite	report				
Rec. 710	Sharing RLOC/inter-satellite	report				
Rec. 711	Coordination of Earth stations	report				
Rec. 715	Multi-band satellite networks	report				
Rec. 718	Alignment of 7 MHz allocations	review				
Rec. 719	Multi-service satellite networks	review				

ANNEX 2

Text	Subject	Action	Proposed for consideration			Remarks
			1995	1997	1999 or later	
Res. 106	Prov. application APP30A					
Res. 107	Existing networks (APP30B)					
Res. 109	APP30A in MIFR					
Res. 208	MOBSAT ~1500/1600 MHz					
Res. 507	Plans for BC-SAT	report				
Res. 511	Action plan for HFBC	report/review				
Res. 513	Harmful interference HFBC	report				
Res. 602	Reg. Conference to revise EMA85	review				
Res. 702	Reg. Conference for VHF/UHF in Region 3	report				
Res. 704	Reg. Conference for MF MAR/NAV					
Rec. 31	Handbook					
Rec. 701	Astronomy in 1330 - 1400 MHz	adm.				
Rec. 702	Extraterrestrial search	adm.				



WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

GENEVA, 15-19 NOVEMBER 1993

Document 4(Rev.1)-E

20 October 1993

Original: Russian

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit to the Conference a letter received from the Administration of the Russian Federation.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

Moscow, 6 August 1993

From: First Vice-Minister of Posts and Telecommunications of the Russian Federation

To: Secretary-General of the ITU

Our ref.: 4159

Dear Sir,

RUS/4/1

Having regard to preparations by the ITU and its Radiocommunication Sector for the first Radiocommunication Assembly and the first World Radiocommunication Conference (Geneva, November 1993), the Telecommunication Administration of the Russian Federation proposes that consideration be given to convening a regional radiocommunication conference to review the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (Geneva, 1975).

Reasons: We believe that there is a need to convene such a conference because:

- the envisaged duration of the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (hereinafter referred to as "the Agreement") was 11 years from the date of entry into force (23 November 1978), and that period has already expired;
- over a period of nearly 15 years substantial modifications have been made to the Geneva 1975 Plan in terms of implementation of the procedure for its application;
- the geopolitical map in Regions 1 and 3 has undergone significant changes, as a result of which many synchronized broadcasting networks have been dismembered;
- there is a trend towards decentralization of broadcasting in the bands in question;
- new scientific and practical data have emerged concerning the use of the frequency spectrum in the LF/MF bands.

In the light of the foregoing, continued implementation of the frequency plan in the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 has become much more difficult and appropriate updating is required.

Yours faithfully,
A.A. ALESHIN



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 4-E
12 August 1993
Original: Russian

GENEVA, NOVEMBER 1993

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit to the Conference a letter received from the
Administration of the Russian Federation.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

Moscow, 6 August 1993

From: First Vice-Minister of Posts and Telecommunications of the Russian Federation
To: Secretary-General of the ITU
Our ref.: 4159

Dear Sir,

Having regard to preparations by the ITU and its Radiocommunication Sector for the first Radiocommunication Assembly and the first World Radiocommunication Conference (Geneva, November 1993), the telecommunication administration of the Russian Federation proposes that consideration be given to convening a regional radiocommunication conference to review the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (Geneva, 1975).

We believe that there is a need to convene such a conference because:

- the envisaged duration of the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (hereinafter referred to as "the Agreement") was 11 years from the date of entry into force (23 November 1978), and that period has already expired;
- over a period of nearly 15 years substantial modifications have been made to the Geneva 75 Plan in terms of implementation of the procedure for its application;
- the geopolitical map in Regions 1 and 3 has undergone significant changes, as a result of which many synchronized broadcasting networks have been dismembered;
- there is a trend towards decentralization of broadcasting in the bands in question;
- new scientific and practical data have emerged concerning the use of the frequency spectrum in the LF/MF bands.

In the light of the foregoing, continued implementation of the frequency plan in the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 has become much more difficult and appropriate updating is required.

Yours faithfully,

A.A. ALESHIN



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, NOVEMBER 1993

Document 5(Rev.1)-E

20 October 1993

Original: English

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit to the Conference a letter received from the Administration of the Kingdom of Tonga.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

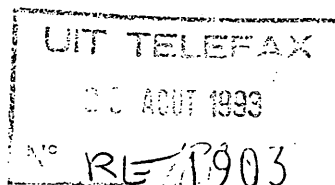


REF: ORG 4/4/1

PRIME MINISTER'S OFFICE
NUKU'ALOFA, TONGA.

30th August, 1993.

Mr. Pekka Tarjanne,
Secretary General,
International Telecommunication Union,
Place des Nations,
1211 Geneva 20,
SWITZERLAND



(2/3) +41 22 733 72 56

Dear Mr. Tarjanne,

Ref: World Radiocommunication Conference (WRC-93)

I have the honour to refer to the forthcoming World Radiocommunication Conference (WRC-93) scheduled to convene in Geneva on November 15, 1993 which will make recommendations to the Council concerning the agenda for the 1995 World Radiocommunication Conference. a review of the Radio Regulations, based on the report of the Voluntary Group of Experts, is a scheduled agenda item for WRC-93. The Kingdom of Tonga proposes that consideration also be given to amending and supplementing the Radio Regulations to provide for the following:

- | | |
|---------|--|
| TON/5/1 | * Interim operation of satellite networks subsequent to the publication of Appendix 3 information but before entry into the Master International Frequency Register. |
| TON/5/2 | * Resolution by the ITU of disagreements among Administrations concerning coordination which are not based on technical criteria. |
| TON/5/3 | * Simplified procedures for an Administration (other than a notifying Administration) to initiate removal of a recorded assignment when a space station has not been in regular use for a period of more than three years. |
| TON/5/4 | * Provisions for access to the records and documents filed with and generated by the ITU, (including the decisions of the IFRB). |

Reasons: We believe that there is a need to make these changes because of the increasing congestion in the geostationary-satellite orbit. This congestion tends to protect coordination procedures and rules are required to govern the interim use of the orbit to satisfy the growing demand for geostationary-satellite service. The fair and orderly administration of the orbit also requires procedures to prevent obstacles to successful coordination based on non-technical and/or non-existent satellite systems. Finally, all Administrations need access to the records of the ITU in order to make decisions concerning their existing and planned use of the orbit.

The Kingdom of Tonga would be most grateful that you add the above proposals to the agenda of WRC-93 and circulate this letter to members of the Union for their consideration. We will be pleased to offer specific proposed Rule changes at the appropriate time. Your early advice concerning the addition of the above proposed Rule changes will be very much appreciated.

Yours sincerely,


.....
Mrs 'Eseta Fusi 
for Chief Secretary & Secretary of Cabinet.

EF/vtf.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, NOVEMBER 1993

Document 5-E
30 August 1993
Original: English

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit to the Conference a letter received from the Administration of the Kingdom of Tonga.

Pekka TARJANNE
Secretary-General

Annex: 1

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

ANNEX

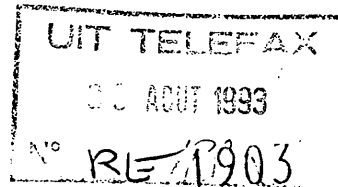


REF: ORG 4/4/1

PRIME MINISTER'S OFFICE
NUKU'ALOFA, TONGA.

30th August, 1993.

Mr. Pekka Tarjanne,
Secretary General,
International Telecommunication Union,
Place des Nations,
1211 Geneva 20,
SWITZERLAND



(2/3) +41 22 733 72 56

Dear Mr. Tarjanne,

Ref: World Radiocommunication Conference (WRC-93)

I have the honour to refer to the forthcoming World Radiocommunication Conference (WRC-93) scheduled to convene in Geneva on November 15, 1993 which will make recommendations to the Council concerning the agenda for the 1995 World Radiocommunication Conference. a review of the Radio Regulations, based on the report of the Voluntary Group of Experts, is a scheduled agenda item for WRC-93. The Kingdom of Tonga proposes that consideration also be given to amending and supplementing the Radio Regulations to provide for the following:

- * Interim operation of satellite networks subsequent to the publication of Appendix 3 information but before entry into the Master International Frequency Register.
- * Resolution by the ITU of disagreements among Administrations concerning coordination which are not based on technical criteria.
- * Simplified procedures for an Administration (other than a notifying Administration) to initiate removal of a recorded assignment when a space station has not been in regular use for a period of more than three years.
- * Provisions for access to the records and documents filed with and generated by the ITU, (including the decisions of the IFRB).

We believe that there is a need to make these changes because of the increasing congestion in the geostationary-satellite orbit. This congestion tends to protect coordination procedures and rules are required to govern the interim use of the orbit to satisfy the growing demand for geostationary-satellite service. The fair and orderly administration of the orbit also requires procedures to prevent obstacles to successful coordination based on non-technical and/or non-existent satellite systems. Finally, all Administrations need access to the records of the ITU in order to make decisions concerning their existing and planned use of the orbit.

The Kingdom of Tonga would be most grateful that you add the above proposals to the agenda of WRC-93 and circulate this letter to members of the Union for their consideration. We will be pleased to offer specific proposed Rule changes at the appropriate time. Your early advice concerning the addition of the above proposed Rule changes will be very much appreciated.

Yours sincerely,


.....
Mrs 'Eseta Fusi
for Chief Secretary & Secretary of Cabinet.



The seal of the Government of Tonga is circular. The outer ring contains the text "GOVERNMENT OF TONGA" at the top and "MAKU'ALOFA" at the bottom. The center features a traditional Tongan emblem, likely the national coat of arms, which includes a crown and other royal symbols.

EF/vtf.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15 - 19 NOVEMBER 1993

Document 6-E
21 September 1993
Original: English

PLENARY MEETING

Note by the Secretary-General

RESOLUTIONS AND RECOMMENDATIONS
OF THE RADIO REGULATIONS

In response to the invitation to the CCIR and the IFRB in Resolution No. 94 (WARC-92), the Radiocommunication Bureau has reviewed all Resolutions and Recommendations of World Administrative Radio Conferences still in force and included in the Radio Regulations.

The attached list outlines the action taken in the regulatory field (ex. IFRB) and/or in the technical field (ex. CCIR) for each Resolution (Part I) and each Recommendation (Part II).

The information provided and the suggested action only refer to activities of the previously existing respective permanent organs or the Radiocommunication Bureau. They do not refer to guidance given to entities such as the Administrations, the Council, etc.

This document may provide a basis for consideration of the need to review the respective texts of the Radio Regulations.

Pekka TARJANNE
Secretary-General

Attachments: Parts I & II, Annex

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

PART I: LIST OF RESOLUTIONS

Res No.	Subject	Reg.	Tech.	Action	M - maintain/edit S - suppress
5	Propagation studies in tropical areas		x	ongoing effort by SGs 5, 6	M
7	National Radio Freq. Management	x	x	meetings organized, booklet published	S
8	Displaced assignments	x		conclusion of transitional procedure to be decided by future WRC	M
13	Formation of call signs	x		ongoing studies	M
17	Possible Committee structure WRCs	x		continuously applied	M
18	Identify ships/aircraft not party to an armed conflict		x	signal described in Rec.	M
19	Regional adm. conferences	x		Doc. 44 submitted to PP89 concl. action taken by APP92	S
21 WARC92	Alloc. changes 6-20 MHz	x		see also Res. 45	M
22 WARC92	Assistance to BDT	x	x	see Annex	M
32	Terrestrial services in bands of 12 GHz BSS plan	x		applied	M
33	BSS (pre-planned)	x		applied	M
34	BSS plan for Region 3	x	x	technical provisions under study	M
35	Disagreement on ROP	x	x	obsolete in view of CV168-170	S
37	Assistance in Freq. Man.	x		implemented	S
38	Reassignment 1600-2200 kHz	x		implemented; consequential action: SUP RR486, MOD RR487, MOD RR492	S
39	Int. Mont. system ad-hoc	x	x	implemented	S
42	Interim Systems AP30/30A	x		applied	M
44	MSS compatibility		x	characteristics under study	M
45	Accuracy of MIFR etc.	x		applied (see also Res. 21)	M
46 WARC92	Non-geo. satellites	x	x	applied; internal procedures developed assistance provided; Rules of Procedure H52(Rev.1). See also Annex	M

60	Review of AP28		x	SG 12 prepared Recs.	S
61	World Climatic Zones		x	studies completed	S
63	Interference from ISM		x	Rec. prepared by TG 1/2	S
65	Relevant CCIR Recs.		x	Res. 87	M
69	Interference between sat. networks		x	ongoing studies	M
70 WARC92	Standards for LEOs	x	x	studied further. See Annex. Results so far have been included in Rules of Proc. H52(Rev.1).	M
103	Assistance to developing countries	x		applied	M
104	Extension of dates (RR1550)	x		implemented	S
105	Improvements in AP30B	x	x	applied	M
106	Provisional application of APP30A	x		obsolete, implemented	S
107	Existing networks AP30B	x		obsolete, implemented	S
109	AP30A in MIFR	x		obsolete	S
110	Multilateral Planning Meetings	x		applied	M
111	FSS planning in 18/20/30 GHz		x	ongoing studies	M
112 WARC92	FSS in 13.75-14 GHz (RR855A)		x	see Annex	M
113 WARC92	Adjustments to FX in 1-3 GHz sharing criteria		x	see Annex	M
201	Operation and accounting in MOB			get state of affairs from TSB	
205	Protection of MSS in 406-406.1 MHz	x	x	applied	M
207	Monitor MOB MAR/MOB AERO (R) bands	x		applied	M
208	Extension of MOB/MSS in 1.5 GHz	x		obsolete	S
209	GMDSS; band extensions		x	studies in progress	M
210	10 kHz guard-band around 500 kHz	x		applied	M
211 WARC92	Terrestrial/space sharing in 2 GHz		x	see Annex	M

212 WARC92	FPLMTS		x	see Annex	M
213 WARC92	Sharing 1.5/1.7 GHz in Region 2		x	see Annex	M
300	Paired frequencies in HF MOB MAR		x	applied	M
310	Ship movement telemetry		x	ongoing studies	M
312	Group channels for coast stations	x		regularly applied	M
314	Collection of data for oceanography	x		regularly applied	M
315	Abolition of mobile-station charges	x		obsolete	S
319	General review of 4/8 MHz MOB MAR sharing criteria		x	ongoing studies	M
322	Watch keeping on GMDSS frequencies	x		ongoing studies	M
323	Use of 156.525 MHz	x		obsolete	S
325	Update of AP25	x		may be suppressed after MOD to Art. 16 (application up to 27 MHz)	M
326	Update of AP25	x		implemented	S
327	Paired NBDP/data transmission	x		implemented	S
328	Transfer of HF assignments to coast stations	x		implemented	S
329	NAVTEX on 490/4209.5 kHz	x	x	applied; ongoing work in Study Groups	M
332	NAVTEX on 4209.5 kHz	x	x	ongoing studies	M
333	Maritime safety info	x	x	ongoing studies	M
335	Non-paired ship station freq. for NBDP	x		implemented; instruction in resolves 1 to be incorporated in RR	S
336	DSC on maritime HF	x		obsolete	S
403	MOB AERO(R) + (OR) on 3023/5680 kHz	x		obsolete	S
409	Public correspondence in AERO MOB	x		implemented	S
410 WARC92	Development of AP26	x		implemented	S
412 WARC92	Transitional procedures for AP26	x		applied	M

500	New carrier frequencies for LF-BC	x		implemented; "further resolves" still applicable; edit	M
505	BC-SAT in 0.5-2 GHz		x	new Res. 522 & 528 cover the subject	S
506	GSO space stations in 12 GHz BSS	x		applied	M
507	Agreement/plans for BC-SAT	x		applied	M
508	WRC for HFBC	x	x	obsolete (HFBC-84/87)	S
511	Planning system for HFBC	x		to be reviewed together with Res. 523	M
512	HFBC in extended bands above 10 MHz	x		applied	M
513	Harmful interference in HFBC	x		applied	M
514	Technical standards for HFBC	x	x	SG 10 Rec. ITU-R BS 702 is relevant	M
515	Application of the Consultation Procedure	x		implemented	S
516	Antennas for HFBC	x	x	applied	M
517	Transition to SSB in HFBC	x		observed	M
518	Area symbols in AP30/30A	x		applied	M
519	BSS Interim Systems in Regs. 1 & 3	x		applied	M
522 WARC92	Work concerning BSS (sound)		x	Study Group work in progress (10-11S). See Annex	M
523 WARC92	Planning for HFBC	x		see Annex	M
524 WARC92	Update of AP30/30A	x	x	report on the application of plan modification procedure, summary of tendencies (no. of channels, beams. etc.) Will be provided in due course. Study Group work in progress (10-11S). See Annex	M
525 WARC92	HDTV in 21.4-22 GHz	x		applied; report on the application of the interim procedure will be provided; Study Group work in progress (10-11S). see Annex	M
527 WARC92	Terrestrial VHF DSB		x	studies in progress (WP10B). See Annex	M
528 WARC92	BSS + BC (sound) in 1-3 GHz	x		applied; report on the application of Res. 33 procedure will be provided in due course. See Annex	M
602	Differential navigation with beacons	x	x	applied	M

642	Earth stations in amateur sat. service	x		applied	M
702	Regional Conf. for VHF/UHF in Region 3		x	Study Groups completed studies	M
703 WARC92	Interference criteria for shared bands	x	x	applied; BR Circular Letter CR/3 consultation; answers to be evaluated; further studies in progress (10-11S; WP10B)	M
704	Planning for MF MOB MAR/RNAV in Region 1	x	x	implemented	S
705	Protection of services in 70-130 kHz		x	ongoing studies	M
711 WARC92	Reallocation of space missions		x	see Annex	M
712 WARC92	Allocations to space services		x	see Annex	M

PART II: LIST OF RECOMMENDATIONS

Rec No.	Subject	Reg.	Tech.	Action	M - maintain, add S - suppress
1	Use of space systems in disasters, etc.		x	SG 4 studies	M
6	Assistance to developing countries	x		covered by CV166 and CV225	S
8	Automatic identification		x	ongoing studies	M
14	Identification of special vessels		x	ongoing studies	M
15	Review of RR Article 14	x	x	Report was submitted to WARC-ORB-88. VGE is considering the matter.	S
30	International monitoring	x	x	ongoing studies	M
31	Handbook on Frequency Management	x	x	implemented	S
32	Space monitoring	x	x	ongoing studies	M
60	Technical standards of IFRB		x	obsolete	S
61	Technical standards above 28 MHz		x	ongoing studies	M
62	Classification of emissions	x	x	continue studies to cover new technologies	M

63	Calculation of necessary bandwidth	x	x	ongoing studies	M
64	Protection ratios and E_{min}		x	ongoing studies	M
65	Spectrum sharing		x	ongoing studies	M
66 WARC92	Max. levels of spurious emissions		x	see Annex	M
68	Studies on propagation and noise		x	ongoing studies	M
69	Frequency tolerances		x	ongoing studies	M
72	Terminology		x	consult TSB	M
73	Use of the term "channel"		x	still valid	M
100	Bands for troposcatter		x	Rec. 698 prepared	S
302	Improved use of HF in MOB MAR		x	can be suppressed after SUP Res. 337	S
310	Automated UHF MOB MAR		x	ongoing studies	M
312	Interconnection of MOB MAR with Telecom. Networks		x	can be suppressed after SUP Res. 337	S
318	Improved AP18		x	ongoing studies	M
319	Adjacent channel interference in HF MOB MAR		x	ongoing studies	M
402	Efficient use of MOB AERO (R)	x		applied	M
403	Congestion in HF AERO (R) bands	x		obsolete	S
405	Utilization of AERO (R) bands		x	obsolete	S
406	Revision of APP26			obsolete	S
502	Low-cost TV receivers		x	partially answered by Rec. ITU-R BS 702	S
503	HFBC		x	ongoing studies	M
505	Propagation studies in 12 GHz		x	ongoing studies	M
507	Spurious emissions from BSS		x	work in progress (10-11S)	M
508	BSS transmitting antennae		x	answered by Rec. ITU-R BS ...	S
509	Experts in HFBC	x		obsolete	S

510	Planning parameters for HFBC		x	applied, see Rec. ITU-R BS 702	S
512	Propagation prediction method for HFBC	x		applied	S
514	Propagation prediction method for HFBC		x	ongoing studies	M
515	DSB/SSB in HFBC		x	obsolete	S
516	Synchronized TX in HFBC		x	applied, see Rec. ITU-R BS 702	S
517	SSB protection ratios in HFBC		x	ongoing studies	M
604	Characteristics of EPIRBs		x	ongoing studies	M
605	Ship borne transponders		x	ongoing studies	M
606	RNAV in 4200-4400 MHz		x	ongoing studies	M
607	RNAV in 5000-5250 MHz		x	ongoing studies	M
621 WARC92	Wind Profiler Radars		x	see Annex	M
704	Sharing BS/RNAV at 108 MHz		x	Rec. prepared by SG 12	S
705	Sharing BSS/BS in 620-790 MHz		x	still valid	M
706	Passive sensors in 18.6-18.8 GHz		x	ongoing studies	M
707	Sharing in 32-33 GHz		x	ongoing studies	M
709	Sharing AERO MOB/Intersat > 54 GHz		x	ongoing studies	M
710	Use of airborne radars in shared bands		x	ongoing studies	M
711	Coordination of Earth stations	x	x	still valid	M
712	Design characteristics for BSS		x	completed by WP 10-11S	S
714	Compatibility AERO (R) 118-137 MHz and BS 87.5-108 MHz		x	SG 12 agreed on compatibility arrangements	S
715	Multiservice satellites in GSO		x	still valid	M
717 WARC92	Sharing criteria RR Art.27/28		x	see Annex	M
719 WARC92	Multiservice satellites in GSO		x	see Annex	M

ANNEX

WARC-92 Resolutions and Recommendations requesting CCIR studies:

Responsible and other concerned Study Groups (Task Groups, Working Parties), relevant Questions and action taken

WARC-92 document	Responsible and concerned Study Group and relevant Question	Action to be taken	Action taken
RESOLUTION No. 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	SG 1 All other SGs	to provide jointly with BDT assistance for developing countries to facilitate the implementation of changes in frequency band allocations which necessitate the transfer of existing assignments;	SG 1 has started its studies on this matter. The Terms of Reference of SG 1 has been re-drafted to provide assistance on frequency management to developing countries.
RESOLUTION No. 46 (WARC-92) Interim Procedures for the Coordination and Notification of Frequency Assign. of Non-Geo-Satellite Networks in Certain Space Services and the Other Services to Which the Bands are Allocated	SG 8 (WP 8D) (Q. 83/8, 84/8) SG 4 (WP 4A) SG 7 SG 9 (WP 9D) (Q. 118/9) SG 12 (TG 12/3)	to study and develop Recs on coordination methods, the necessary orbital data relating to non-geostationary systems, and sharing criteria	WP 8D prepared two draft new Recs. on methods for evaluating sharing between LEO MSS and other services below 1 GHz and a preliminary draft new Rec. on NON-GEO satellite frequency sharing. WP 7C prepared a draft new Rec. on sharing and coordination criteria between the EESS and MetSS using LEO satellites. Recs 849 and 850 dealing with ES coordination areas for NON-GEO spacecraft operating in bands shared with terrestrial services prepared by TG 12/3 were approved by correspondence in 1992.
RESOLUTION No. 70 (WARC-92) Establishment of Standards for the Operation of Low-Orbit Satellite Systems	SG 8 (WP 8D) (Q. 83/8, 84/8)	to carry out, as a matter of priority, technical and operational studies to permit the establishment of standards governing the operation of low-orbit satellite systems so as to ensure equitable and standard conditions of access for all countries and to provide worldwide protection for existing services and systems in the telecommunication network (Resolution addressed to "the organs of the ITU")	WP 8D prepared two draft new Recs. on methods for evaluating sharing between LEO MSS and other services below 1 GHz and a preliminary draft new Rec. on the NON-GEO satellite frequency sharing.
RESOLUTION No. 94 (WARC-92) Review of Res. & Recs of the WARC's	All SGs	to report on the action taken in response to the remaining Resolutions and Recommendations of the WARC's from 1979-1992	

RESOLUTION No. 112 (WARC-92) Allocation of Frequencies to the FSS in the Band 13.75 - 14 GHz	SG 4* (TG 4/4) (Q. 79/4) SG 7 (TG 7/3) SG 8 (WP 8C)	to conduct the necessary studies, prior to 31 Jan 1994 with respect to values given in No.855A of the RR related to allocations in the band 13.75 - 14 GHz and to report the outcome at least one year before the next competent conference;	A draft new Rec. was prepared by TG 4/4 on sharing between the FSS and the radiolocation service in the 13.75 to 14.0 GHz band. Input for TG 4/4 prepared by TG 7/3 (Doc.7-3/17). SG 8 Rapporteur participated in the meeting of TG 4/4.
	SG 7* (TG 7/3) SG 4 (TG 4/4) (Q. 80/4)	to conduct the necessary studies with regard to technical compatibility between the primary allocation to the FSS (Earth-to-space) and the secondary allocations to the SRS and EESS in the band 13.75 - 14 GHz;	TG 7/3 prepared a draft new Rec. on use of the 13.75 to 14.0 GHz band by the space science services and the FSS (Doc.7-3/18). A liaison statement to TG 7/3 was prepared by TG 4/4 including an analysis of the compatibility between the FSS and science services.
RESOLUTION No. 113 (WARC-92) Adjustments to the FS as a Consequence of Changes to the Frequency Allocations Within the Range 1 - 3 GHz	SG 9* (WP 9B, 9C) (Q. 104/9, 125/9, 136/9)	to prepare new radio frequency channelling arrangements, if necessary, for the fixed service in the relevant frequency bands;	WP 9B prepared draft new Report on possible adjustments to the FS frequency bands near 2 GHz and WP 9C revised Rec.698 on preferred frequency bands for trans-horizon radio-relay systems.
	SG 12* (TG 12/4) (Q. 7/12) SG 4 (WP 4A) SG 8 (WP 8A) (Q. 105/8) SG 9 (WP 9D) (Q. 111/9 & 118/9) SG 10 (WP 10-11S) SG 11 (WP 10-11S)	to continue the studies of the sharing criteria between the fixed service and other services in the range 1 - 3 GHz;	TG 12/4 prepared a table of potential sharing scenarios and will draft Recs with relevant WPs and TGs. Rec.851, prepared by TG 12/2, on sharing between the BS and FS and MS in the VHF and UHF bands is being revised by correspondence. WP 8A sent an input to TG 12/4 on recent progress in the LMS in the relevant frequency range. WP 9D prepared a preliminary draft new Rec. on sharing considerations between FS and MS near 2 GHz and draft revised Report 941 on protection of terrestrial line-of-sight radio-relay systems against interference from the BSS (sound) in the band 1 452 - 1 492 MHz.
RESOLUTION No. 211 (WARC-92) Use by the MS of the Frequency Bands 2 025 - 2 110 MHz and 2 200 - 2 290 MHz	SG 7 (TG 7/1) (Q. 153/7) SG 1 (WP 1B) SG 8 (WP 8A) (Q. 103/8) SG 12 (TG 12/3) (Q. 8/12)	to continue, as a matter of urgency, the study of appropriate provisions to protect the space services operating in the bands 2025-2110 MHz and 2200-2290 MHz from harmful interference from emissions by stations of the MS; to report the results of studies to the next competent conference;	TG 7/1 has developed two preliminary draft new Recs. (Doc.7-1/9) which have been sent for comments to WP 1B, WP 8A, TG 12/3 and SG 9. WP 8A has started studies according to Question 103/8.

RESOLUTION No. 212 (WARC-92) Implementation of FPLMTS	SG 8 (TG 8/1) (Q. 39/8)	to continue studies with a view to developing suitable and acceptable technical characteristics for FPLMTS that will facilitate world wide use and roaming, and ensure that FPLMTS can also meet the telecommunication needs of the developing countries and rural areas;	Four new and one revised Recs were adopted in 1992. Three draft new Recs and one draft Opinion has been prepared for consideration by SG 8 in October 1993. Five preliminary draft new Recs have been prepared and additional Recs are under preparation.
RESOLUTION No. 213 (WARC-92) Sharing Studies Concerning the Use of the Bands 1 492 - 1 525 MHz and 1 675 - 1 710 MHz in Region 2 by the MSS	SG 7* (WP 7C) (Q. 204/7) SG 1 (WP 1B) SG 8 (WP 8D) (Q. 83/8, 84/8)	to study as a matter of urgency the technical and operational issues relating to the sharing of the band 1675 - 1710 MHz between the meteorological aids and METSAT services and the MSS, taking into account the needs of the radioastronomy service in the adjacent band;	WP 7C is preparing two Recs., one on the METSAT service (a preliminary draft Recommendation is ready) and the other on METAIDS service. It will complete its work by Dec. 1996. WP 8A has started studies according to Question 83/8 and 84/8.
	SG 8* (WP 8D, WP 8B) (Q. 83/8, 84/8) SG 1 (WP 1B) SG 9 (WP 9D) (Q. 118/9)	to study as a matter of urgency the technical and operational issues relating to the sharing of the band 1492-1525 MHz between aeronautical mobile service and other terrestrial services and MSS;	WP 8D and 8B have started studies according to Questions 83/8 and 84/8.
RESOLUTION No. 522 (WARC-92) Further Work by the CCIR Concerning the Broadcasting-Satellite Service (Sound)	SG 10* (WP 10-11S) SG 4 (WP 4A) SG 8 (WP 8A) (Q. 106/8)	1. that the CCIR study this subject (BSS, sound) as a matter of urgency; 2. that CCIR studies should focus in particular on: i) the characteristics of GSO and non-GSO BSS (Sound) systems;	WP 10-11S has modified Rec. 789 on BSS (sound) and prepared a preliminary draft new Rec. on the reference model to be used as a basis for planning studies for the future WRC on digital sound broadcasting. WP 10-11S work in close association with WP 10B.
	SG 12* (TG 12/4) (Q. 7/12) SG 4 (WP 4A) SG 8 (WP 8A) (Q. 106/8) SG 9 (WP 9D) (Q. 111/9) SG 10 (WP 10-11S) SG 11 (WP 10-11S)	1. that the CCIR study this subject (BSS, sound) as a matter of urgency; 2. that CCIR studies should focus in particular on: ii) the appropriate sharing criteria;	TG 12/4 prepared a table of potential sharing scenarios and will draft Recs with relevant WPs and TGs. Rec.851, prepared by TG 12/2, on sharing between the BS and FS and MS in the VHF and UHF bands is being revised by correspondence. WP 9D prepared draft revised Report 941 on protection of terrestrial line-of-sight radio-relay systems against interference from the BSS (sound) in the band 1 452 - 1 492 MHz.

RESOLUTION No. 524 (WARC-92) Future Consideration of the Plans for the BSS in the Band 11.7 - 12.5 GHz (Reg.1) and the Band 11.7 - 12.2 GHz (Reg. 3) in App. 30 and the Associated Feeder-Link Plans in App. 30A	SG 11 (WP 10-11S) SG 5 (WP 5C) SG 10 (WP 10-11S)	to study, as a matter of priority, the technical possibilities for improving the efficiency and flexibility of the plans for Regions 1 and 3 contained in Appendices 30 and 30A and to study the particular needs of high rainfall rate climatic zones for HDTV and the technical methods which could be used to implement this service in the 12 GHz band;	WP 10-11S prepared a draft new Report leading to a recommendation on updating the 12 GHz band Plans and associated feeder-links. Input for WP 10-11S was prepared by WP 5C see Annex 4 to Doc. 5C/61
RESOLUTION No. 525 (WARC-92) Introduction of HDTV Systems of the BSS in the Band 21.4 - 22.0 GHz in Regs 1 & 3 and RESOLUTION No. 526 (WARC-92) Future Adoption of Procedures to Ensure Flexibility in the Use of the Frequency Band Allocated to the BSS for Wide RF-Band HDTV and to the Associated Feeder Links	SG 11 (WP10-11S) SG 10 (WP 10-11S)	to provide information to administrations to assist them in responding to this Resolution;	WP 10-11S prepared a draft new Report on the introduction of HDTV systems of the BSS that may be applicable in the new bands assigned by WARC-92.
RESOLUTION No. 527 (WARC-92) Terrestrial VHF Digital Sound Broadcasting	SG 10 (WP 10B) SG 5 (WP 5B) SG 8 (WP 8B) SG 9 (WP 9D) (Q. 131/9) SG 11 (TG 11/3) SG 12 (TG 12/2)	in order to harmonize the implementation of digital sound broadcasting: 1. to undertake as a matter of urgency, the relevant technical studies associated with introducing terrestrial digital sound broadcasting, focusing primarily on the broadcasting VHF band; 2. in particular, to consider the system characteristics and propagation in relation to developing compatibility criteria in the same and adjacent bands including protection of the safety services;	WP 10B has revised the relevant Questions and prepared a new Report which contains preliminary results of studies on AM/VSB Television interfered by DAB and on propagation models for wide-band terrestrial DAB. A special rapporteur has been appointed to finalize the Report. WP 10 B work closely with WP 10-11S. Rec. 851 on sharing between the BS and the FS and MS in the VHF and UHF bands, prepared by TG 12/2, was adopted in 1992 by correspondence.
RESOLUTION No. 528 (WARC-92) Introduction of the BSS (Sound) Systems and Complementary Terrestrial Broadcasting in the Bands Allocated to these Services Within the Range 1 - 3 GHz	SG 10 (WP 10-11S, WP 10B) SG 8 (WP 8A) (Q. 106/8) SG 9 (WP 9D) (Q. 111/9)	to conduct the necessary studies prior to the Conference (preferably not later than 1998) for the planning of the BSS (sound) in the bands allocated to this service in the range 1-3 GHz; and the development of procedures for the co-ordinated use of complimentary terrestrial broadcasting;	WP 10-11S modified Rec. 789 on BS (sound) and prepared a preliminary draft new Rec. on the reference model to be used as a basis for planning studies for the future WRC on digital sound broadcasttng. WP 10 B prepared a draft new Report on this subject. A special rapporteur will continue this activity. WP 9D prepared dreft revised Report 941 on protection of terrestrial line-of-sight radio-relay systems against interference from the BSS (sound) in the band 1 452 - 1 492 MHz.

RESOLUTION No. 711 (WARC-92) Possible Relocation of Frequency Assign. to Certain Space Missions from the 2 GHz Band to Bands above 20 GHz	SG 7 (WP 7E) (Q 154/7) SG 1 (WP 1B) SG 8 (WP 8A) (Q. 103/8) SG 9 (WP 9D) (Q. 113/9)	to study possible relocation of frequency assignments to certain space missions from the 2 GHz bands to bands above 20 GHz; to conduct the necessary studies on the evolution of the SR, SO and EES services and the mobile services in the bands available to each service around 2 GHz and the compatibility between these services in the 2 GHz band	WP 7E has developed a preliminary draft new Rec. and Progress report (Doc. 7E/TEMP/19 (Rev.2) which has been sent for comments to SG 9. WP 9D prepared draft revised Report 1197 on sharing considerations near 2 GHz between the FS and near-Earth space research systems. WP 8A has started studies according to Question 103/8.
RESOLUTION No. 712 (WARC-92) Consideration by a Future Competent WARC of Issues Dealing with Allocations to Space Services Which Were not Placed on the Agenda of WARC-92	SG 7* (WP 7C) SG 9 (WP 9D) (Q. 113/9 & 163/9)	to carry out the necessary studies with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of the WRC on: - use of existing allocation in the 8.025 - 18.8 GHz range to the EES and SR services, with a view to establishing common worldwide primary allocations to these services in appropriate bands; - additional ISS requirements up to 50 MHz near 23 GHz; - provision for up to 1 GHz of frequency spectrum around 35 GHz for use by space based active Earth sensors;	The studies have been started.
	SG 12* (TG 12/3) (Q. 8/12) SG 4 (WP 4A) SG 5 (WP 5C) SG 7	to carry out the necessary studies with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of the WRC on: - inclusion of CCIR approved technical coordination parameters in Appendix 28 of the RR;	Recs 847 and 848 prepared by TG 12/3, were adopted by correspondence in 1992 (Determination of the coordination area of an ES operating with a GEO space station and using the same frequency band as a system in a terrestrial services). Doc. 12/22 proposes specific actions to be taken by a future WRC and Doc. 12/36 proposes specific issues for the agendas for WRC 95 and WRC 97. Input for TG 12/3 prepared by WP 5C. (see Annex 5 to Doc. 5C/61)
RECOMMENDATION No. 66 (Rev.WARC-92) Studies of the Maximum Permitted Levels of Spurious Emissions	SG 1 (WP 1A) (Q. 55/1) SG 4 (WP 4A) (Q. 25/4) SG 7 (Q. 129/7) SG 8 (WP 8D) (Q. 83/8) SG 9 (WP 9B) (Q. 119/9) SG 10 (WP 10B) SG 11 (WP 11C)	to study as a matter of urgency the question of spurious emissions resulting from space services transmissions, and on the basis of those studies, develop Recs for maximum permitted levels of spurious emissions in terms of mean power of spurious components supplied by the transmitter to the antenna transmission line; to submit a report to the next competent conference on the results of its studies with a view to reviewing and including spurious and out-of-band emission limits in Appendix 8 to the RR, principally for the protection of the radioastronomy and other passive services;	WP 8D prepared a working document for a future draft new Rec. on maximum levels of emissions produced outside the 1 610-1 660.5 MHz band by mobile ES operating within this MSS band. WP 9B prepared a preliminary draft new Rec. on maximum permissible levels of spurious emissions from radio-relay systems. Rec 726-1 prepared by SG 4 was adopted by correspondence in 1992 (Maximum permissible levels of spurious emissions from VSATs).

RECOMMENDATION No. 621 (WARC-92) Implementation of Wind Profiler Radars at Frequencies near 50 MHz, 400 MHz and 1 000 MHz	SG 8 (TG 8/2) (Q. 102/8) SG 7 SG 9 (WP 9D) SG 11 (WP 11C)	to continue as a matter of urgency its studies of the characteristics and requirements of wind profiler radars, to make Recommendations as to the technically suitable frequency bands, associated standards and frequency sharing criteria necessary for compatibility with the services that may be affected, and to submit a report to the next competent Conference	TG 8/2 prepared working documents for the Report to a WRC and a preliminary draft Rec.
RECOMMENDATION No. 717 (WARC-92) Sharing Criteria in Frequency Bands Shared by the MSS and the Fixed, Mobile and Other Radio Services	SG 12 (TG 12/4) (Q. 7/12) SG 4 (WP 4A) SG 8 (WP 8D) (Q. 83/8, 84/8) SG 9 (WP 9D) (Q. 118/9) SG 10 (WP 10-11S) SG 11 (WP 10-11S)	to study and issue Recommendations as a matter of urgency on the appropriate criteria for sharing between the MSS and other services in the same frequency bands, including power limits and power flux-density as indicated in Articles 27 and 28 of the RR, while placing minimum restrictions on the services operating in these bands;	TG 12/4 prepared a table of potential sharing scenarios and will draft Recs with relevant WPs and TGs. WP 8D prepared the information necessary for a sharing study. SG 8 Rapporteur participated in the meeting of TG 12/4
RECOMMENDATION No. 719 (WARC-92) Multiservice Satellite Networks Using the Geostationary-Satellite Orbit	SG 4 (WP 4A) (Q. 81/4) SG 7 SG 8 (WP 8D) (Q. 104/8)	to study as a matter of urgency technical characteristics including pointing techniques, of multiservice satellites and the sharing criteria necessary for compatibility with the FSS in the frequency bands 19.7-20.2 GHz and 29.5-30.0 GHz in Region 2, and 20.1-20.2 GHz and 29.9-30.0 GHz in Region 1	WP 4A has started its study according to Question 81/4. and prepared a working document on interference between FSS and MSS in the bands 19.7-20.2 GHz and 29.5-30.0 GHz.. A working document was drafted by WP 8D on the establishment of a multi-purpose or general satellite service. Comments were received from WP 4A.

* responsible for a part of the resolution.



PLENARY MEETING

United States of America

PROPOSAL FOR THE WORK OF THE CONFERENCE

RELATING TO THE AGENDA FOR THE 1995 WORLD
RADIOCOMMUNICATION CONFERENCE

1. The 1993 World Radiocommunication Conference has the mandate to recommend to the Council an agenda for the 1995 World Radiocommunication Conference. The Council instructed WRC-93 to include in its deliberations consideration of matters related to facilitating use of frequency bands for the mobile-satellite service (MSS), and a review of the Radio Regulations on the basis of a report of the Voluntary Group of Experts (VGE). We have reviewed these matters and many other issues pending within the ITU Radiocommunication Sector, and have developed the attached proposal for the agenda for the WRC-95.
2. Progress was achieved at WARC-92 toward addressing the needs of the MSS; however, the spectrum needs of this service remain unresolved. Since WARC-92, there have been further studies initiated in the Radiocommunication Study Groups as well as within administrations and various organizations. In view of these activities, we believe that certain issues can be addressed productively at WRC-95. We have therefore included specific items on the proposed agenda for WRC-95 related to the mobile-satellite services and the requirements for associated feeder links. Moreover, we recommend that the conference undertake a broader assessment of MSS and related feeder link requirements in its development of a preliminary agenda for WRC-97.
3. We recognize that the VGE is preparing a report to be issued by the middle of next year, outlining its recommendations on the simplification of the Radio Regulations. Therefore, as requested by the Additional Plenipotentiary Conference (see Resolution No. 8, APP, Geneva, 1992), and further directed by the Council, we consider it timely to include consideration of the VGE report on the agenda for WRC-95.
4. Finally, there are a few additional topics that we believe may be treated relatively easily. Among these are Resolution No. 112 and Recommendation No. 318. Studies on these matters have been carried out in the Radiocommunication Study Groups, and the WRC-95 should consider possible actions in view of the current technical information.

Attachment: Recommendation No. USA-1

USA/7/1

RECOMMENDATION NO. USA-1

**Relating to the Agenda for the
1995 World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that the Additional Plenipotentiary Conference, Geneva, 1992, decided that World Radiocommunication Conferences shall normally be convened every two years;
- b) that the Additional Plenipotentiary Conference, Geneva, 1992, through Resolution No. 9, took the necessary steps to convene a World Radiocommunication Conference in 1993;
- c) that the Additional Plenipotentiary Conference, Geneva, 1992, through Resolution No. 8, instructed the Council to convene a World Radiocommunication Conference in the second half of 1995;
- d) that the Additional Plenipotentiary Conference, Geneva, 1992, through Resolution Nos. 8 and 9, instructed the Council to include certain items on the agenda of the 1995 World Radiocommunication Conference;

taking into account

- a) the decision of the 47th session of the Council, circulating to Members an agenda for the 1993 WRC;
- b) that this decision was adopted by the Members of the Union;

recommends

that the Council include on the 1995 WRC agenda the following items:

- 1. based on proposals from Members of the Union, review, and where necessary revise, the provisions of the Radio Regulations with respect to the following topics:
 - 1.1 frequency allocations and associated provisions of the regulations relating to mobile-satellite services, in order to facilitate their use of the following bands:
 - 137 - 138 MHz;
 - 148 - 150.05 MHz
 - 400.15 - 401 MHz
 - 1 525 - 1 559 MHz
 - 1 610 - 1 626.5 MHz
 - 1 626.5 - 1 660.5 MHz
 - 1 970 - 2 010 MHz
 - 2 160 - 2 200 MHz
 - 2 483.5 - 2 500 MHz

1.2 frequency allocations and associated provisions of the regulations relating to the fixed-satellite service in order to facilitate the use of the fixed-satellite service for feeder links for mobile-satellite services;

1.3 frequency allocations and associated provisions for the band 399.9 - 400.05 MHz;

1.4 Article 61 relating to the Order of Priority of Communications in the Maritime Mobile Service and in the Maritime Mobile-Satellite Service;

1.5 appropriate provisions to indicate that maritime mobile and maritime mobile-satellite distress, urgency and safety communications should not be conducted in frequency bands where the GMDSS is not applicable;

1.6 appropriate provisions for implementing the mobile satellite services in the 1 545 - 1 559 MHz and 1 646.5 - 1 660.5 MHz bands including the need for priority access for stations providing aeronautical mobile-satellite (R) services;

1.7 Resolution No. 112 (WARC-92) relating to Allocation of Frequencies to the Fixed-Satellite Service in the Band 13.75 - 14 GHz;

1.8 Recommendation No. 318 (MOB-87) relating to Improved Efficiency in the Use of the Appendix 18 VHF Frequency Spectrum for Maritime Mobile Communications;

1.9 such consequential changes and amendments in the Radio Regulations as may be necessitated by the decisions of the Conference;

2. consider, and take appropriate action upon the Final Report and Recommendations of the Voluntary Group of Experts;

3. assess spectrum requirements for mobile-satellite services and related feeder links to be taken into account in the development of a preliminary agenda for WRC-97;

4. consider, revise as necessary, and take other appropriate action upon the relevant Recommendations and Resolutions;

5. consider the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since the last conference;

6. recommend to the Council items for inclusion in the agenda of the 1997 WRC;

7. recommend a preliminary agenda for the 1999 WRC;

requests the Director of the Radiocommunication Bureau

to ensure that the necessary studies and reports are prepared in advance of the Conference;

instructs the Secretary-General

to bring this Recommendation to the attention of the Council so that an agenda for the 1995 WRC can be circulated to Members as far in advance of the conference as possible.

Reasons: To recommend to the Council an agenda for the 1995 WRC based upon the directions from the Additional Plenipotentiary Conference (Geneva, 1992) and urgent requirements.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

Document 8-E
18 October 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

United States of America

PROPOSAL FOR THE WORK OF THE CONFERENCE

RELATING TO THE PRELIMINARY AGENDA FOR THE
1997 WORLD RADIOCOMMUNICATION CONFERENCE

It is the view of the United States that the preliminary agenda for the 1997 World Radiocommunication Conference should address any unresolved issues relating to frequency allocations and associated provisions for the mobile-satellite services, including feeder links. The Conference should also address several unresolved issues relating to the space services. Other matters that should be treated by the 1997 WRC include the use of HF bands allocated to the broadcasting service, spurious emission levels, wind profiler radars, mobile service sharing around 2 GHz, and use of the VHF band allocated by the 1979 WARC to the aeronautical mobile (R) service.

Attachment: Recommendation No. USA-2

USA/8/1

RECOMMENDATION NO. USA-2

**Relating to the Preliminary Agenda for the
1997 World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that the Additional Plenipotentiary Conference, Geneva, 1992, decided that World Radiocommunication Conferences shall normally be convened every two years;
- b) that the Additional Plenipotentiary Conference, Geneva, 1992, through Resolution No. 9, took the necessary steps to convene a World Radiocommunication Conference in 1993;
- c) that the Additional Plenipotentiary Conference, Geneva, 1992, through Resolution No. 9, instructed the 1993 World Radiocommunication Conference to make recommendations to the Council for the preliminary agenda for the 1997 World Radiocommunication Conference;

taking into account

- a) the decision of the 47th session of the Council, circulating to Members an agenda for the 1993 WRC;
- b) that this decision was adopted by the Members of the Union;

considering further

that there are a number of unresolved issues concerning the mobile-satellite and space related services;

recommends

that the following items be included on a preliminary agenda for the 1997 WRC:

- 1. based on proposals from Members of the Union, review, and where necessary revise, the provisions of the Radio Regulations with respect to the following topics:
 - 1.1 frequency allocations and associated provisions of the Radio Regulations relating to mobile-satellite services, including allocations for feeder links for mobile-satellite services, taking account of the results of the 1995 WRC;
 - 1.2 allocation of frequency bands above 50 GHz to the earth exploration-satellite service;
 - 1.3 examination of the use of HF bands allocated to the broadcasting service in light of developments to date;

- 1.4 Resolution No. 60 relating to Information on the Propagation of Radio Waves in the Determination of the Coordination Area;
 - 1.5 Resolution No. 211 (WARC-92) relating to Use by the Mobile Service of the Frequency Bands 2 025 - 2 110 MHz and 2 200 - 2 290 MHz;
 - 1.6 Resolution No. 408 (MOB-87) relating to Use of the Band 136 - 137 MHz by Services Other than the Aeronautical Mobile (R) Service;
 - 1.7 Resolution No. 710 (WARC-92) relating to Primary Service Requirements for the Meteorological-Satellite and Earth Exploration-Satellite Services in the Band 401 - 403 MHz;
 - 1.8 Resolution No. 712 (WARC-92) relating to Consideration by a Future Competent World Administrative Radio Conference of Issues Dealing with Allocations to Space Services Which Were not Placed on the Agenda of WARC-92;
 - 1.9 Recommendation No. 66 relating to Studies of the Maximum Permitted Levels of Spurious Emissions;
 - 1.10 Recommendation No. 621 (WARC-92) relating to Implementation of Wind Profiler Radars at Frequencies near 50 MHz, 400 MHz, and 1 000 MHz;
 - 1.11 Recommendation No. 711 relating to the Coordination of Earth Stations;
 - 1.12 Recommendation No. 715 (ORB-88) relating to Multiband and/or Multiservice Satellite Networks using the Geostationary-Satellite Orbit;
 - 1.13 Recommendation No. 719 (WARC-92) relating to Multiservice Satellite Networks using the Geostationary-Satellite Orbit ;
 - 1.14 such consequential changes and amendments in the Radio Regulations as may be necessitated by the decisions of the Conference;
 2. consider, revise as necessary, and take other appropriate action upon the relevant Recommendations and Resolutions;
 3. consider the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since the last conference;
 4. recommend to the Council items for inclusion in the agenda of the 1999 WRC;
 5. recommend a preliminary agenda for the 2001 WRC;
- requests the Director of the Radiocommunication Bureau**
- a) to ensure that the necessary studies and reports are prepared in order to give advice to the 1997 WRC;
 - b) to report to the 1995 WRC on the progress of studies on those items enumerated above for inclusion on the 1997 WRC agenda.
- Reasons: To recommend a preliminary agenda for the 1997 WRC based on current needs.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 9-E
18 October 1993
Original: English

PLENARY MEETING

Canada

PROPOSALS FOR THE WORK OF THE CONFERENCE

TABLE OF CONTENTS

	<u>Page</u>
Overview of Canadian Proposals.....	2
Part A - Proposals for the Work of the Conference.....	3
Agenda for WRC-95	
Preliminary Agenda for WRC-97	
Resolutions for Approval by WRC-93	-
Part B - Supplemental Proposals.....	13
Advancement of Date of Use of the Bands 1 970 - 2 010 and 2 160 - 2 200 MHz by the Mobile-Satellite Service	
Revision of Appendix 28	
Wind Profiler Radars	

OVERVIEW OF CANADIAN PROPOSALS

This overview outlines the factors and rationale which form the basis of Canada's specific proposals to the World Radiocommunication Conference, Geneva, 1993, (WRC-93). The objectives are:

- a) to stabilize WARC-92 decisions where required, and
- b) to make the best use of time, given the short duration of the WRC-93 and the international objective to limit the agenda of future WRCs.

Part A of this document contains Canada's Proposals to the WRC-93.

Part B contains Supplemental Proposals that Canada will formally introduce if they are required to advance the work of the Conference.

PART A
PROPOSALS FOR THE
WORK OF THE CONFERENCE

Recommendation CAN-1 contains a proposed agenda for WRC-95. It should be noted that it is proposed that the implementation of the work of the VGE be extended over two or more conferences. This prolongation arises from uncertainty in the amount of time required to implement the changes, and the duration of future conferences. Although WRC-93 may be able to address the first question, the Council and possibly the Plenipotentiary Conference will need to resolve the second.

Recommendation CAN-2 contains a preliminary agenda for WRC-97.

Three Resolutions are submitted for adoption by WRC-93 in order to provide interim solutions to urgent matters that cannot wait until the 1995 Conference deals with the issues of concern:

- 1) Resolution CAN-3 is submitted with the knowledge that certain mobile-satellite networks are already in the late stages of planning and require direction from the ITU as soon as possible. CAN-3 permits an advance in the commencement date of publication, coordination and notification for MSS in the 1 970 - 2 010 and 2 160 - 2 200 MHz bands, pending decisions of WRC-95 on Canada's proposal to advance the date of MSS use of these bands (see also Recommendation CAN-1 item 2.2.2 and in Part B, Recommendation AAA). This is urgently required to ensure parity between future users of this allocation and to provide a stronger basis for the planning of future MSS networks.
- 2) Resolution CAN-4 addresses the space science services in the band 2 025 - 2 110 MHz to complete the action related to an allocation change made by WARC-92, by instructing the Bureau to immediately establish, as a Rule of Procedure, a maximum e.i.r.p. level for the space services until it is dealt with by WRC-95 (see also Recommendation CAN-1 item 2.3). This is urgently required to ensure that the sharing of the bands by these services is not disrupted.
- 3) Resolution CAN-5 is submitted with the knowledge that non-geostationary mobile satellite networks are being planned and constructed in the 1 to 3 GHz frequency range, and that these networks require feeder links in higher frequency bands that are allocated to the fixed-satellite service. The accommodation of these feeder-link requirements should be done in an organized way, so that there is not an unnecessarily large amount of fixed-satellite spectrum made unavailable to geostationary fixed-satellite networks. Canada is proposing in Recommendation CAN-1 that this matter be considered fully at WRC-95, and is also proposing through Resolution CAN-5 the initial step of having these feeder links implemented in bands above 15 GHz that are not being used or planned for geostationary networks with large numbers of earth stations. This initial step is seen as a bridge between the current unconstrained situation and the more detailed consideration of the matter at WRC-95.

CAN/9/1

RECOMMENDATION CAN-1 (WRC-93)

Agenda of the 1995 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) Resolution 9 of the Additional Plenipotentiary Conference 1992, which requests this Conference to make "recommendations to the Council concerning the agenda for the 1995 World Radiocommunication Conference, including the review of the Radio Regulations based on the report of the Voluntary Group of Experts and any guidance facilitating the use of frequency bands allocated to the mobile-satellite service, by recommending the inclusion of these matters in the agenda of the 1995 World Radiocommunication Conference" and "recommendations for the preliminary agenda of the 1997 World Radiocommunication Conference";
- b) Article 13 of the Constitution (Geneva, 1992) regarding the competency and scheduling of world radiocommunication conferences and Article 7 of the Convention (Geneva, 1992) regarding their agendas;

recognizing

- a) that the work of the VGE should be considered and implemented as quickly as possible, to ensure that future Radiocommunication Sector decisions are made within the framework of any new substance, structure or arrangement of the Radio Regulations;
- b) that activities related to the planning of mobile-satellite systems consequential to the decisions of WARC-92 indicate that some of those decisions may require clarification;
- c) that the use of frequencies in the fixed-satellite service for feeder links for non-geostationary-satellite networks are an integral aspect of facilitating the use of the frequency bands allocated to the mobile-satellite service and both services may benefit from additional guidance by the conference;

considering further

- a) that the increase in status in Article 8 to the space services in the band 2 025 - 2 110 MHz was not accompanied by an appropriate change to the limits in Article 28 to ensure compatible sharing conditions with terrestrial services sharing the band on an equal basis;
- b) that the urgency of some of these matters and the short duration of this Conference has required the adoption of Resolutions which provide temporary guidance until these matters can be considered in detail by the 1995 Conference;
- c) that there are many possible solutions open to the Radiocommunication Sector on some of these issues including those which may arise from the work of the Radiocommunication Study Groups;

recommends

1. that the 1995 World Radiocommunication Conference be convened in Geneva from 16 October 1995 for a period of [...];
2. that the agenda of the conference shall be as follows:
on the basis of proposals from administrations, taking into account the Recommendations of the VGE and, for other matters, the Report of the Conference Preparatory Group;
 - 2.1 to consider and as appropriate, implement the Recommendations of the VGE;
 - 2.2 to facilitate the use of allocations to the mobile-satellite service, specifically:
 - 2.2.1 to modify Article 8, or by other means, limit feeder links to non-geostationary mobile-satellite networks to bands above 15 GHz;
 - 2.2.2 to facilitate the use of the bands 1 970 - 2 010 and 2 160 - 2 200 MHz by the mobile-satellite service prior to the date of 1 January 2005;
 - 2.3 to modify No. 2547 to include the Earth exploration-satellite, space operation and space research services in the band 2 025 - 2 110 MHz;
 - 2.4 to make any changes to the Radio Regulations that are consequential to decisions made under items 2.1 to 2.3;
3. in accordance with Article 7 of the Convention (Geneva 1992):
 - 3.1 to consider the activities of the Radio Regulations Board, the Radiocommunication Bureau and certain activities of the Radiocommunication Assembly, and take appropriate action;
 - 3.2 to consider and approve the report of the Director of the Bureau on the activities of the Sector since the last conference;
 - 3.3 to recommend to the Council an agenda for the 1997 conference, which should include a provision to continue the work under item 2.1 above, and a preliminary agenda for the 1999 conference;

instructs the Director of the Radiocommunication Bureau

1. to make any arrangements necessary to convene Conference Preparatory Group meetings on [...] to provide guidance material to the 1995 Conference;
2. to plan the work of the Study Groups:
 - 2.1 to provide input to the Conference Preparatory Group in support of the 1995 conference based on the agenda contained in this Recommendation;
 - 2.2 to begin work in support of the preliminary agenda for the 1997 conference;

invites the Secretary General

1. to make all the arrangements necessary for holding the Conference;
2. to communicate this Recommendation to concerned international and regional organizations.

CAN/9/2

RECOMMENDATION CAN-2 (WRC-93)

Preliminary Agenda of the 1997 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) Article 13 of the Constitution (Geneva, 1992) regarding the competency and scheduling of world radiocommunication conferences and Article 7 of the Convention (Geneva, 1992) regarding their agendas;
- b) that, due to the complexity and scope of the Recommendations of the VGE, the 1995 WRC may not have completed the implementation of this work;
- c) that studies being carried out by the Radiocommunication Sector consequential to Resolution No. 213 (WARC-92) indicate that it may be feasible to use the mobile-satellite service allocation in the band 1 675 - 1 710 MHz in Region 2, without effect on the use of the meteorological-satellite service in Regions 1 and 3, subject to coordination between earth stations of the two services in Region 2;
- d) that, after further deliberation of Recommendation No. 621 (WARC-92), wind profiler radars may be implemented in the existing radiolocation service allocations provided due account is taken of the shared use of such bands by other services;
- e) that Resolution No. 60 (WARC-79) invited the CCIR to study aspects of Appendix 28 with the view that it should be revised by a future competent conference;

recommends

- 1. that the 1997 World Radiocommunication Conference be convened in Geneva from [...], 1997 for a period of [...];
- 2. that the preliminary agenda of the conference shall be as follows:
 - on the basis of proposals from administrations, taking into account the Recommendations of the VGE and, for other matters, the Report of the Conference Preparatory Group;
- 2.1 to consider and as appropriate, further implement the Recommendations of the VGE;
- 2.2 to incorporate changes in the Radio Regulations to facilitate the use of the band 1 675 - 1 710 MHz by the mobile-satellite service in Region 2, without prejudicing the rights of Administrations under Resolution 46 to protect and operate existing or future systems in the services sharing the bands;
- 2.3 to consider proposals for the revision of Appendix 28;
- 2.4 to make any changes to the Radio Regulations that are consequential to decisions made under items 2.1 to 2.3;

3. in accordance with Article 7 of the Convention (Geneva, 1992):
 - 3.1 to consider the activities of the Radio Regulations Board, the Radiocommunication Bureau and certain activities of the Radiocommunication Assembly, and take appropriate action;
 - 3.2 to consider and approve the report of the Director of the Bureau on the activities of the Sector since the last conference;
 - 3.3 to recommend to the Council an agenda for the 1999 conference, which might include a continuation of the work under item 2.1 above, and a preliminary agenda for the 2001 conference;

instructs the Director of the Radiocommunication Bureau

1. to make any arrangements necessary to convene Conference Preparatory Group meetings on [...] to provide guidance material to the 1997 Conference;
2. to plan the work of the Study Groups:
 - 2.1 to provide input to the Conference Preparatory Group in support of the 1997 conference based on the preliminary agenda contained in this Recommendation;

invites the Secretary General

1. to make all the arrangements necessary for holding the Conference;
2. to communicate this Recommendation to concerned international and regional organizations.

CAN/9/3

RESOLUTION CAN-3 (WRC-93)

**Interim Procedures for Mobile-Satellite Networks in the
Band 1 970 - 2 010 MHz/2 160 - 2 200 MHz
Prior to 1 January 2005**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that Resolution 46, which is applicable to the mobile-satellite service in the these frequency bands, limits the submission of advance publication of information and coordination to no earlier than six years before the date of bringing into service of a satellite network;
- b) that, under No. 746B, these bands are not available to the mobile-satellite service until 1 January 2005, and thus the earliest date an administration could apply Resolution 46 is 1 January 1999;
- c) that there are proposals to this Conference that the agenda for WRC-95 include the consideration of facilitating the use of the frequency bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz by mobile-satellite networks;
- d) that the full opportunities of providing mobile satellite personal communications systems require the planning phase of a mobile-satellite system to start in advance of WRC-95;
- e) that interim procedures are required for the advance publication and coordination of mobile-satellite systems prior to WRC-95 to allow earliest implementation in accordance with **considering** c) above,

resolves

- 1. that, for the purposes of **resolves** 3, the six year provisions of No. 1042, No. 1550, and No. 1.1 of Section I of the Interim Procedure of Resolution 46 are waived as of 1 January 1994 for satellite networks planned to be implemented in the bands 1 970 - 2 010 MHz or 2 160 - 2 200 MHz under Nos. 746B or 746C;
- 2. that, pending and without prejudice to the decisions of WRC-95 pursuant to **considering** c), the Bureau shall consider mobile-satellite networks submitted in accordance with **resolves** 3 as being in conformity with Article 8; and
- 3. that, on an interim basis and subject to the decisions of WRC-95, administrations may submit the advance publication of information and subsequently coordinate their mobile-satellite networks in the bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz under Nos. 746B and 746C in accordance with Resolution 46, recognizing that No. 1496 does not allow notification of such assignments earlier than three years before the date on which the assignments are to be brought into use.

Reasons: This Resolution will enable administrations to submit API and coordination information to the Bureau as of 1 January 1994 so that the difficult task of coordination of the network may begin at the earliest possible date. Currently, with the year 2005 date of No. 746B, it is not possible to start the API and coordination process with a favourable finding from the Bureau until 1999, i.e. six years before the in-service date of the network. If WRC-95 were to decide to advance the availability of these bands, there would have to be adequate lead time to benefit from the earlier date - this Resolution provides that lead time. It is important to note, however, that the notification of the network after successful coordination would be constrained by the availability of the bands, as decided by WRC-95. There is a real need for this flexibility now, in advance of (but without prejudice to) the decisions of WRC-95.

CAN/9/4

RESOLUTION CAN-4 (WRC-93)

Interim Procedure for the Space Services in the Band 2 025 - 2 110 MHz

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that WARC-92 increased the status of the space operation, space research and Earth exploration-satellite services in the band 2 025 - 2 110 MHz from Article 14 to primary status;
- b) that it left unaddressed a power limit for earth stations in those services, which share the band with existing stations in the fixed and mobile service;

resolves

that earth stations in the space operation, space research and Earth exploration-satellite services in the band 2 025 - 2 110 MHz be limited to the e.i.r.p. limits given in No. 2541 of Article 28;

recommends

that WRC-95 make appropriate changes to the Radio Regulations to address the substance of this **resolves**;

instructs the Director of the Radiocommunication Bureau

to develop and apply a Rule of Procedure to immediately implement the **resolves** of this Resolution.

Reasons:

1. It appears that WARC-92 inadvertently omitted the inclusion of an e.i.r.p. limit for earth stations in the space operations, space research and Earth exploration-satellite services in the band 2 025 - 2 110 MHz. Since these services were raised from Article 14 status to primary status, service sharing criteria are required.
2. The urgent nature of this issue and the limited duration of WRC-93 will prevent the detailed preparation of proposals and the detailed examination and modification of the Regulations that are required to address this issue.
3. This Resolution establishes an Interim Rule of Procedure to apply until the body of the Regulations can be addressed by WRC-95 .

CAN/9/5

RESOLUTION CAN-5 (WRC-93)

**Interim Accommodation of Spectrum For Feeder Links of
Non-Geostationary Mobile-Satellite Networks**

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) that additional spectrum was allocated to the mobile-satellite service in the 1 to 3 GHz frequency range in 1992;
- b) that a portion of this mobile-satellite spectrum may be utilized by implementing mobile-satellite networks into non-geostationary orbits;
- c) that these mobile-satellite networks may require feeder links in the fixed-satellite service above 3 GHz;
- d) that sharing spectrum between geostationary fixed-satellite networks and feeder links to non-geostationary mobile-satellite networks is very difficult;
- e) that Radio Regulation No. 2613 (Mod.WARC-92) appears to give certain priority to the use of a fixed-satellite band to geostationary fixed-satellite networks over those in other orbits;
- f) that fixed-satellite bands below 15 GHz are either used extensively or are planned as specified in Appendix 30B;
- g) that it would be difficult also to share spectrum with fixed-satellite and mobile-satellite networks that are planned for implementation in the frequency bands 19.7 - 20.2 GHz and 29.5 - 30 GHz bands, in part because of the expected large number of earth stations and high satellite transmitted power levels of these networks;
- h) that it will also be difficult to share spectrum with broadcasting-satellite systems allocated in Region 2 within the band 17.3 - 17.8 GHz;

recognizing

- a) that spectrum should be available for feeder links to these non-geostationary mobile-satellite networks;
- b) that these feeder-link networks should not use for this purpose valuable spectrum in the 1 to 3 GHz band that is allocated to the mobile-satellite service;
- c) that spectrum used for these feeder links should be chosen such that the amount of spectrum remaining available to geostationary fixed-satellite networks including that for feeder links of geostationary networks should be maximized;
- d) that coordination of these feeder-link networks would be difficult in either frequency bands below 15 GHz or in the bands 19.7 - 20.2 GHz and 29.5 - 30 GHz, given the constraints on such networks in No. 2613;

resolves

- 1. that until a permanent solution to the accommodation of spectrum for feeder links for non-geostationary mobile-satellite networks operating in the 1 to 3 GHz

band is determined, these feeder links shall be implemented in frequency bands above 15 GHz, but not in the bands at 20 GHz and 30 GHz that are currently allocated on a co-primary basis to the fixed-satellite and the mobile-satellite services in any Region;

2. that the permanent accommodation of spectrum to be used by feeder links to non-geostationary mobile-satellite systems, and the sharing of spectrum between geostationary and non-geostationary systems, should be included on the agenda of the WRC to be held in 1995;

invites the Director of the Radiocommunication Bureau

1. to urgently examine appropriate spectrum alternatives within the frequency range specified in **resolves** 1 to accommodate the requirements of feeder links of non-geostationary mobile-satellite networks operating in the 1 to 3 GHz band, taking into account the requirements of other services and applications in the bands considered;
2. to report on the result of its findings before 1 January 1995;

invites the Secretary-General

to bring this Resolution to the attention of the Council with a view to the inclusion of the subject in the agenda of the 1995 World Radiocommunication Conference.

Reasons: As understood by Canada, mobile-satellite systems (MSS) in non-geostationary orbits will be introduced on a global basis in the next few years. These systems will require the use of spectrum allocated to the fixed-satellite service for their feeder links. Initial studies undertaken in Canada indicate that there is likely to be difficulties in simultaneous use of a fixed-satellite band by both geostationary (GSO) fixed-satellite systems (FSS) and feeder links of non-GSO MSS systems.

Geostationary FSS systems are either implemented or planned to be implemented in all appropriate bands below 15 GHz, and also in the bands 19.7 - 20.2 GHz and 29.5 - 30 GHz that were recently allocated on a co-primary basis to the fixed-satellite and mobile-satellite services, and in the bands 20.2 - 21.2 GHz and 30 - 31 GHz that were co-allocated at an earlier Conference. Because of the above-mentioned sharing difficulties, it would not seem appropriate to try to implement feeder links of non-geostationary MSS systems in those bands. The most appropriate long-term solution may be to designate specific FSS bands of sufficient magnitude to be used by the non-GSO MSS feeder links, and to discourage use of such bands by geostationary systems. Because the non-GSO MSS systems are still in an early stage of their development it may be too early in 1993 to make final decisions at this time on the specific band or bands to be so-designated. However, interim arrangements are necessary to ensure that the non-GSO systems do not make large portions of the geostationary spectrum/orbit resource unavailable for geostationary systems, and that appropriate regulations can be formulated at a later date when sufficient information is available to do so.

Taking into account all of these considerations, Canada considers that a decision can and should be made in 1993 that feeder links to non-GSO MSS systems should be implemented above 15 GHz but not in the bands that are allocated at 20 GHz and 30 GHz for joint FSS/MSS systems with large numbers of earth terminals, and that this decision should be considered as an interim step towards a more precise and permanent decision to be taken after the matter can be examined in sufficient detail by the Radiocommunication Assembly. The proposed Resolution meets those two complementary requirements.

PART B

SUPPLEMENTAL PROPOSALS

Part B contains supplemental Resolutions and Recommendations that Canada will formally introduce in the event that the issues dealt with in Part A require further clarification, or work by future conferences. The short duration of WRC-93 will not permit the generation of additional Resolutions or Recommendations ab initio.

- Recommendation No. AAA provides more information in support of Recommendation CAN-1, **recommends** 2.2.2.
 - Recommendation No. BBB provides more information in support of Recommendation CAN-2, **recommends** 2.3.
 - MOD Recommendation No. 621 (WARC-92) may be required to support any discussion of the inclusion of wind profiler radars in the agenda of future conferences. If it is not required, Canada would be willing to resubmit this modification at a future conference which has more time to consider this issue.
-

CAN/9/6

RECOMMENDATION NO. AAA

Agenda of the 1995 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that Resolution 9 of the Final Acts of the Additional Plenipotentiary Conference, 1992 requested this Conference, inter alia, to make recommendations to the Council regarding the agenda of WRC-95, including the review of the work of the VGE, and the guidance regarding facilitating the use of frequency bands by the mobile-satellite service;
- b) that a mobile-satellite network has already advance published information on their system for operation in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz by the year 1998;
- c) that there is an urgent need to provide a mobile-satellite personal communications system which would be the satellite components of the future public land mobile telecommunication systems (FPLMTS), whose terrestrial component has been planned for introduction around the year 2000;
- d) that the use of the band 1 610 - 1 626.5 MHz paired with the 2 483.5 - 2 500 MHz by the mobile-satellite service may be very limited due to the inter-service and intra-service sharing difficulties;
- e) that the spectrum near 2 GHz is used extensively worldwide by the fixed service and may be affected by the shared use of this spectrum with the mobile-satellite service;
- f) that a phased implementation of the mobile-satellite service in the frequency bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz may assist in minimizing the impact on the fixed service while facilitating earlier use of these bands by the MSS;
- g) that the full opportunities of providing a mobile satellite personal communications system require the planning and implementation phase of a mobile satellite system to start in advance of the 1995 WRC;

recommends

that WRC-95 consider facilitating the use of the bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz by the mobile-satellite service prior to the date of 1 January 2005.

Reasons: Mobile-satellite systems are nearing the completion of their planning stages for the global provision of personal communications services by the end of this decade, using hand-held dual capability terrestrial/satellite telephones. Early decisions will be required on a number of issues related to these systems, including the

extremely important issue of the satellite/mobile terminal service links. For the satellite/mobile terminal service links, the frequency spectrum being considered is 1 610.0 - 1 626.5 MHz and 2 483.5 - 2 500 MHz, and 1 970 - 2 010 MHz and 2 160 - 2 200 MHz.

The results of the frequency spectrum studies for the 1.6 GHz/2.4 GHz bands clearly indicate that there are a significant number of sharing limitations with the other services that are currently using the bands. In addition there are certain technical constraints that will have to be respected. All of these limitations and constraints, coupled with the number of systems proponents for use of these bands, clearly point to the need to use other parts of the radio frequency spectrum.

A logical choice of frequency spectrum for the satellite/mobile terminal service links is the spectrum allocated at WARC-92 to the mobile-satellite services at around 2 GHz. The utility of this spectrum choice is enhanced as it is the prime location for the future public land mobile telecommunication systems (FPLMTS).

The globally allocated mobile-satellite service spectrum at 2 GHz (1 980 - 2 010 MHz and 2 170 - 2 200 MHz), according to the results of WARC-92, is not available on a worldwide basis before 1 January 2005. In order not to delay unduly the implementation of satellite-based personal communications services and the accompanying benefits to the user community, it is necessary that the global availability of this frequency spectrum be consistent with the implementation dates of the mobile-satellite systems. It is recognized that these frequency bands are extensively used worldwide by the fixed service and that service sharing opportunities are extremely limited.

A proposed method for implementation of mobile-satellite systems prior to the 1 January 2005 date would be on a phased basis, consistent with other provisions relating to inter-service sharing. This phased implementation would cause a certain amount of the allocated spectrum being made available upon the implementation of the mobile-satellite networks, followed by increasing amounts until the full spectrum was made available at the 1 January 2005 date.

CAN/9/7

RECOMMENDATION NO. BBB

**Relating to the Agenda of a Future Competent Conference on the
Revision of Appendix 28**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that Resolution 9 of the Final Acts of the Additional Plenipotentiary Conference, 1992, requests this Conference, inter alia, to make recommendations to Council regarding the agenda of WRC-95 and WRC-97;
- b) that since the adoption of Appendix 28 at WARC-79, under Resolution 60 of that Conference, the CCIR has been studying the possible up-dating of its propagation information;
- c) that this work was further accelerated by the CCIR adopting Decision 87 establishing a Task Group to study the interference modelling in addition to the propagation material;
- d) that the CCIR adopted four Recommendations in response to Decision 87 in March 1992;
- e) that nonetheless, the Radiocommunication Sector has requested further examination of the propagation data with a view to harmonizing Recommendations developed for detailed propagation calculations and those used in the above-mentioned Recommendations;

recognizing

- a) that the state of work is very advanced, but there is a need for further study within the Radiocommunication Sector;
- b) that such studies may not be completed in time for consideration by the Conference Preparatory Group to WRC-95;

recommends

that WRC-97 consider the matter of up-dating Appendix 28.

Reasons: This Recommendation addresses itself to the need to make provision for the WRC-97 agenda to consider replacing the current Appendix 28 by the latest versions of new ITU-R/Recommendations on coordination area. The current Appendix 28 was generated by WARC-79, with the recommendation (see Recommendation No. 711) that the CCIR continue to study interference data and calculation methods for areas not covered. It also invited the CCIR to update the propagation information (see Resolution No. 60) once on-going CCIR studies were completed. Such studies were undertaken by the CCIR and have resulted in the development of four new Recommendations which in many cases result in significantly changed coordination areas, indicating a need to update the Appendix.

Although these recommendations are complete to a large extent, some issues remain which might not be resolvable in time for the WRC-95. These issues include: a) in Recommendation No. 847, the propagation model gives results which differ under certain circumstances from other ITU-R/Recommendations; b) there is a lack of coordination data for non-geostationary orbit MSS terminals at 2 GHz; and c) airborne earth stations need to be examined further.

The above proposed Recommendation indicates a preference for the WRC-97 rather than the WRC-95.

CAN/9/8
MOD

~~MODIFICATION TO RECOMMENDATION NO. 621 (WARC-92/REV. WRC-93)~~

**Implementation of Wind Profiler Radars at
~~Frequencies near 50 MHz, 400 MHz and 1 000 MHz~~**

~~The World Administrative Radio Conference for Dealing with Frequency Allocations in Certain Parts of the Spectrum (Malaga Torremolinos, 1992), The World Radiocommunication Conference (Geneva, 1993),~~

having noted

a request to the ITU from the Secretary-General of the World Meteorological Organization (WMO), in May 1989, for advice and assistance in the identification of appropriate frequencies near 50 MHz, 400 MHz and 1 000 MHz in order to accommodate allocations and assignments for wind profiler radars;

considering

a) that wind profiler radars are important meteorological systems used to measure wind direction and speed as a function of altitude;

b) ~~that in order to conduct such measurements up to a height of 30 kilometres it is necessary to allocate frequency bands for these radars in the general vicinity of 50 MHz (3 to 30 km), 400 MHz (500 m to about 10 km) and 1 000 MHz (100 m to 3 km), respectively;~~ that it is necessary to use frequencies in a few frequency ranges in order to have options for different performance and technical characteristics;

Reasons: While it is recognized that there is a need to establish various bands for technical reasons, it should not be necessary to specify such detail in this Recommendation. This should be included in the Recommendations of the Radiocommunication Study Groups.

c) ~~that many administrations plan to deploy wind profiler radars in operational networks in order to improve meteorological predictions, support studies of the climate and enhance the safety of navigation;~~ that many administrations have deployed and plan to expand their use of wind profiler radars in operational networks for studies of the atmosphere and to support weather monitoring, forecasting and warning programmes;

Reasons: Some countries have resolved the allocation issue domestically and currently have wind profiler systems in operation.

d) ~~that it is highly desirable to use wind profiler radars in frequency bands which have been generally agreed, preferably on a worldwide basis;~~ that the Radiocommunication Study Groups are continuing their study of the technically suitable frequency bands, particularly near 50 MHz, 400 MHz and 900 MHz, associated standards and sharing criteria with other radio systems;

Reasons: The intent should not be to establish specific bands or assignments exclusively for the use by wind profiler systems but rather to find spectrum where these systems could co-exist with other services.

e) ~~that the CCIR is studying various proposals for these wind profiler radars at frequencies around 50 MHz, 400 MHz and 1 000 MHz and that frequencies in the 400 MHz region may be preferred for measurements of winds at altitudes that are of the greatest general interest;~~

f) ~~that it is essential in the interest of safety to protect the COSPAS-SARSAT system and other safety services from harmful interference which may be caused by wind profiler radars;~~

g) ~~that studies have already shown that wind profiler radars operating in the vicinity of 400 MHz must be sufficiently separated in frequency from the COSPAS-SARSAT system centred on 406.025 MHz;~~

h) ~~that in the interest of efficient spectrum utilization it is necessary to include technical characteristics and sharing criteria in future studies;~~

Reasons: Not required given the addition of d).

considering further

a) that some administrations have addressed this matter nationally by assigning frequencies for use by wind profiler radars in existing radiolocation bands with due regard to the potential for compatibility with other radio systems;

b) the current state of work of the Voluntary Group of Experts on the Allocation and Improved Use of the Radio-frequency spectrum and Simplification of the Radio Regulations is supporting increased flexibility in the allocation of frequency spectrum;

Reasons: The work already done by the VGE and by administrations on assigning spectrum for wind profiler operations should be taken into account when deciding the future work of a World Radiocommunication Conference and Radiocommunication Assembly.

invites the CCIR Radiocommunication Study Groups

to continue as a matter of urgency ~~its~~ their studies of the characteristics and requirements of wind profiler radars, to make Recommendations as to the technically suitable frequency bands, associated standards and frequency sharing criteria necessary for compatibility with the services that may be affected, ~~and to submit a report to the Conference referred to in~~ **invites the Administrative Council;**

Reasons: Given that the nature of the study is purely technical, there is no need for the Radiocommunication Study Groups to submit a report to the Conference for further consideration. They should submit their recommendations directly to the Administrations for consideration in the selection of assignments for wind profiler operations.

recommends

1. ~~that administrations authorizing experiments with or the operational use of such radars should take all necessary actions to ensure protection from harmful interference to the COSPAS-SARSAT system, particularly by avoiding assignments in the band 402-406 MHz, and to other services;~~

Reasons: The use of currently allocated radiolocation bands for wind profiler radars should eliminate the potential of interference to COSPAS-SARSAT system operations centred at 406.025 MHz.

21. that administrations and international organizations concerned with wind profiler radars, particularly the International Civil Aviation Organization (ICAO), the International Maritime Organization (IMO), the World Meteorological Organization (WMO) and COSPAS-SARSAT, should contribute to the ~~ECIR~~ Radiocommunication Study Groups studies;

2. that when completed, the results of the studies of the Radiocommunication Study Groups in the identification of technically suitable frequency bands and other matters be circulated to administrations;

3. that administrations assign frequencies for use by wind profiler radars in the radiolocation bands taking into account the results of the studies referenced in recommends 1;

~~invites the Administrative Council~~

~~to consider including on the agenda of the next competent WARC the question of appropriate frequency allocations for the operational use of wind profiler radars;~~

Reasons: The Recommendations of the Study Groups are intended for the technical guidance of administrations making assignments for wind profiler operations. As such they should not require further consideration by a conference.

instructs the Secretary-General

to bring this Recommendation to the attention of the ICAO, IMO and WMO.



PLENARY MEETING

Japan

PROPOSALS FOR THE WORK OF THE CONFERENCE

1. Introduction

Japan considers it highly important that

- a) the Radio Regulations should be established with a view to promoting efficient and effective radio frequency administration;
- b) the use of the frequency spectrum should be carried out taking into account the progress of telecommunications technology, effective use of the frequency, and avoidance of the interference.

This proposal presents issues which should be solved in the WRC-95 as a matter of urgency, considering the above principles. Japan further advocates that the review of the existing Resolutions and Recommendations should be continued based on Resolution No. 94, taking into account the results of future World Radiocommunication Conferences and the change of times.

Japan is continuing to examine its proposal, and Japan reserves the right to submit additional proposals later as a result of this examination.

2. Proposed agenda items for the 1995 World Radiocommunication Conference (WRC-95)

J/10/1

Proposal 1 - Revision of the Radio Regulations based on the report of the Voluntary Group of Experts

The current Radio Regulations are not fully applicable to recent technical developments, as well as being difficult to apply because of their high level of complexity.

A Voluntary Group of Experts (VGE) from administrations was resolved to be established at the Plenipotentiary Conference of the International Telecommunication Union (Nice, 1989), and has been working on reviewing the service definitions and the structure and definitions of the relative status of allocations in the Radio Regulations as well as simplifying the Radio Regulations in general.

Future, Resolution No. 8 and Resolution No. 9 of the Additional Plenipotentiary Conference (Geneva, 1992) resolve respectively that the VGE shall submit the final Recommendations and the report to WRC-95 and that the review of the Radio Regulations based on the report of the VGE shall be included in the agenda for the WRC-95.

Japan considers it urgent and important to simplify the Radio Regulations with a view to administering the spectrum internationally, and also to expand the function of the Radio Regulations by means of ensuring their effective operation. Therefore, Japan proposes that the agenda for the WRC-95 shall include the revision of the Radio Regulations based on the report of the VGE.

J/10/2

Proposal 2 - Raising the allocation status of the meteorological-satellite and earth exploration-satellite services in the bands 401 - 402 MHz and 402 - 403 MHz to primary

The WARC-92 recognized the necessity of raising the allocation status of the meteorological-satellite and earth exploration-satellite services in the bands 401 - 402 MHz and 402 - 403 MHz to primary, and adopted Resolution No. 710 so "that the next competent world administrative radio conference should examine the allocation with the intent of raising the allocation status to primary.

The bands mentioned above are now allocated on the secondary basis to the meteorological-satellite and earth exploration-satellite services, and many countries are utilizing these bands for collecting a vast amount of meteorological and earth observation data.

These collected data are being used for weather forecasting, mitigation and prevention of meteorological disasters, and preservation of the global environment. In future, these data will become more important in the preservation of life and property of inhabitants in each country.

At present, the stations of the meteorological-satellite and earth exploration-satellite services suffer from harmful interference from other services worldwide, and administrations cannot take good steps to avoid the interference as the allocation status of these services on these bands are secondary.

Therefore, Japan proposes that the agenda for the WRC-95 shall include to raise the allocation status of the meteorological-satellite and earth exploration-satellite services in the bands 401 - 402 MHz and 402 - 403 MHz from secondary to primary.

J/10/3

Proposal 3 - Sharing criteria in frequency bands shared by the mobile-satellite service and the fixed, mobile and other radio services

At WARC-92, new frequency bands were allocated to the mobile-satellite service, but concrete sharing criteria such as power limits and flux-density limits, between the mobile-satellite service and the fixed, mobile and other radio services, have not been established yet.

Because several countries have proposed their mobile-satellite systems, concrete sharing criteria must be established without delay.

These sharing criteria are currently being studied in Radiocommunication Study Groups, and the relevant Recommendations are expected to be adopted in 1994.

Therefore, Japan proposes the WRC-95 to consider the sharing criteria between the mobile-satellite service and the fixed, mobile and other radio services to be incorporated into the Radio Regulations, based on the Recommendations of the ITU Radiocommunication Assembly.

J/10/4

Proposal 4 - Date for cessation of the use of channels 15 and 17 of Appendix No. 18 by on-board communication stations

Channels 15 and 17 of Appendix No. 18 were made available for the use for internal operational communications on-board ships also by the decision of the World Administrative Radio Conference (Geneva, 1967), and a number of administrations have been making use of these channels in accordance with their domestic regulations. In Japan, these channels are used for the on-board communication stations such as the navigational piloting service or the navigational aiding service.

However, WARC-79 adopted Recommendation No. 305 which recommended to review the use of these channels by the on-board communications in the next competent WARC, considering that some administrations had come to no longer use these channels for on-board communications and that they wished to have the use of these channels for on-board communications discontinued because of the shortage of VHF channels for the maritime mobile service other than on-board communications. Additionally, many administrations are concerned about the shortage of channels referred to in Appendix No. 18 after the full implementation of Global Maritime Distress and Safety System (GMDSS). The review of the channel plan is under consideration by the Radiocommunication Study Groups based on Recommendation No. 318.

In Japan, channels 15, 16 and 17 in Appendix No. 18 are allocated to the use of two-way radiophone, which are indispensable to GMDSS, in accordance with Resolution A-605 at the 15th IMO (International Maritime Organization) Assembly, and ships have begun to equip with these phones. Furthermore, many on-board communication stations have already switched to UHF channels for internal operational communications on-board ships subject to RR 669.

Therefore, Japan proposes that WRC-95 make a decision on the date for cessation of the use of channels 15 and 17 in Appendix No. 18, taking into account the current condition of the use of these channels by on-board communication stations and considering further the smooth transition to UHF channels used by on-board communication stations.



WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

Corrigendum 1 to
Document 11-E/F/S
17 November 1993
Original: English/
French/
Spanish

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING/
SEANCE PLENIERE/
SESION PLENARIA

EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE
PROPOSITIONS EUROPEENNES POUR LES TRAVAUX DE LA CONFERENCE
PROPUESTAS EUROPEAS PARA LOS TRABAJOS DE LA CONFERENCIA

Add "Bulgaria", "Latvia", "Malta", "Romania" and "Slovakia" in the list of countries
cosponsoring this Document.

Ajouter "Bulgarie", "Lettonie", "Malte", "Roumanie" et "Slovaquie" dans la liste des pays
cosignataires de ce Document.

Añádase "Bulgaria", "Eslovaquia", "Letonia", "Malta" y "Rumania" en la lista de los países
cofirmadores de este Documento.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

Document 11-E
19 October 1993
Original: English/
French/
Spanish

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE

Submitted by the following Administrations:

Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany,
Hungary, Ireland, Italy, Luxembourg, Moldova, Netherlands, Norway, Poland, Portugal, Spain,
Sweden, Switzerland, Turkey, United Kingdom, Vatican

1. Introduction

CEPT has considered carefully the necessary scope of the agendas for the 1995 and 1997 World Radiocommunication Conferences, taking into account in particular Resolution No. 9 of the Additional Plenipotentiary Conference, 1992 and the Resolutions and Recommendations of previous WARC's. The attached Annexes A and B contain respectively proposals for the agenda for the 1995 Conference and the provisional agenda for the 1997 Conference.

2. Principles for WRC-95

CEPT considers that priority must be given at the 1995 Conference to the report of the VGE and certain mobile satellite issues, as envisaged by APP-92. The mobile satellite issues should be limited to consideration of:

- a) the possibility of bringing forward the date of entry into force, on a worldwide basis, seven of the primary allocations to the mobile-satellite service in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz;
- b) the accommodation of feeder links for mobile-satellite systems, especially those intending to use non-geostationary satellites; and
- c) the regulatory provisions for the coordination of mobile-satellite systems, in particular for non-geostationary satellites.

Other items for the 1995 agenda should be limited as far as possible to enable the Conference to concentrate on the two main issues identified above. The additional items proposed by CEPT are considered to be urgent and capable of being resolved without major difficulty, thus avoiding significant divergence of resources from the main agenda items.

3. Duration of WRC-95

In view of the considerable amount of work to be completed at WRC-95, CEPT considers that the duration of the Conference should be at least three weeks, preferably four weeks.

4. WRC-97

For the provisional agenda for WRC-97, a number of items have been identified which, in view of CEPT, need to be addressed soon but do not merit priority treatment by WRC-95. CEPT has identified a number of other possible items for inclusion in the 1997 agenda, but has not reached final decisions at this stage. Further proposals may be submitted later.

5. Other issues

5.1 Mobile satellite coordination

CEPT is considering the possibility of action by WRC-93 to enable, on an interim basis, coordination procedures to be initiated at an early stage for mobile-satellite systems intending to use the band 1 980 - 2 010 MHz and 2 170 - 2 200 MHz, in anticipation of the decisions of WRC-95.

5.2 Country references in footnotes to Article 8

CEPT considers that it will be necessary at WRC-95 to change a number of footnotes to Article 8 to reflect the political changes in Europe. It is considered that this exercise can be conducted as part of the review of the Radio Regulations in the light of the report of the VGE and thus no specific agenda item has been proposed.

5.3 Broadcasting

CEPT considers that at some stage during the next few years it will be necessary for the ITU to consider how a wide range of broadcasting issues (including terrestrial and satellite, television and sound, and also HF) might be tackled. Specific examples are a possible revision of the plans for the broadcasting-satellite service at 12 GHz and the planning of the broadcasting-satellite (sound) service at 1.5 GHz. A discussion on priorities and the timetable for future conferences, but not substance, might be appropriate at WRC-97.

Annex A: Proposed agenda for WRC-95

Annex B: Proposed provisional agenda for WRC-97

ANNEX A

Draft agenda for WRC-95

EUR/11/1

RESOLUTION (A)

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) Resolution No. 9 of the Additional Plenipotentiary Conference, Geneva, 1992; and
- b) the relevant Resolutions and Recommendations of previous World Administrative Radio Conferences;

resolves

to recommend to the Council that a world radiocommunication conference be held in Geneva in late 1995 for a period of four weeks, with the following agenda:

- 1. to review the report of the Voluntary Group of Experts; to take action as appropriate to revise the Radio Regulations; and to provide a clear timetable for the resolution of any outstanding items;
- 2. to consider the possibility of bringing forward on a worldwide basis the date of entry into force of the allocation to the mobile-satellite service in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz and to take action as necessary;
- 3. to consider the frequency allocation and regulatory aspects of providing feeder links to mobile-satellite systems, especially those using non-geostationary orbits, and to take action as appropriate;
- 4. to review the procedures for the coordination of mobile-satellite systems and for the sharing of the mobile-satellite service with other services, in particular Resolution Nos. 46, 70, 212 and 213, and Recommendation No. 717, and to take action as appropriate;
- 5. to consider raising to primary status the allocations to the meteorological-satellite and Earth exploration-satellite services in the bands 401 - 402 and 402 - 403 MHz, as indicated in Resolution No. 710;
- 6. to review No. 855A of the Radio Regulations, in accordance with Resolution No. 112;
- 7. to consider the possible deletion of all secondary and permitted allocations from the band 136 - 137 MHz, which is allocated to the aeronautical mobile (R) service on a primary basis, in accordance with Resolution No. 408 and in order to meet the special needs of the aeronautical mobile (R) service;

8. to recommend to the Council the agenda for the 1997 World Radiocommunication Conference, the provisional agenda for the 1999 Conference, and to give views on possible agenda items for future conferences;
9. to identify those items requiring priority action by the Radiocommunication Study Groups;

invites the Council

to make provision for the 1995 World Radiocommunication Conference and to initiate as soon as possible the necessary consultation with Members.

ANNEX B

Draft provisional agenda for WRC-97

EUR/11/2

RESOLUTION (B)

The World Radiocommunication Conference (Geneva, 1993),
considering

that in accordance with No. 118 of the Convention of the International Telecommunication Union (Geneva, 1992) in connection with Resolution No. 1 of the Additional Plenipotentiary Conference (Geneva, 1992) the general scope of the agenda for the 1997 World Radiocommunication Conference should be established four years in advance;

resolves

to recommend to the Council to include the following items on the agenda of the 1997 World Radiocommunication Conference:

with due regard to the requirements of the existing services to which the frequency spectrum to be considered at this Conference is allocated;

1. to consider the possible allocation of appropriate frequency bands for the operational use of wind profiler radars, as indicated in Recommendation No. 621 (WARC-92);
2. to review the provisions of the Radio Regulations concerning radioastronomy, in particular Articles 1, 13 and 36, in view of new technology and new observation methods, taking also account of Recommendation No. 66;
3. to examine the introduction in Article 27 of suitable limits on the characteristics of mobile systems in order to facilitate sharing of the bands 2 025 - 2 110 MHz and 2 200 - 2 290 MHz between the mobile service on the one hand and the space services on the other hand, as indicated in Resolution No. 211 (WARC-92);
4. to consider inclusion into the Radio Regulations of procedures for the coordination and notification of frequency assignments of non-geostationary-satellite networks in certain space services and the other services to which the bands are allocated, as stipulated in Resolution No. 46 (WARC-92);
5. in view of the decision taken by the International Maritime Organization (IMO) that the global maritime distress and safety system (GMDSS) shall be fully implemented in 1999;
 - 5.1 to review the provisions of Chapters IX and N IX, as stipulated in Resolution No. 331 (Mob-87);
 - 5.2 to decide on the date for transferring entirely to J3E emissions on the carrier frequency 2 182 kHz for distress and safety communications, as stipulated in Resolution No. 200 (Mob-87);
 - 5.3 to decide on the date of entry into force of the 10 kHz guardband for the frequency 500 kHz in accordance with Resolution No. 210 (Mob-87);

5.4 to consider whether there is a need to provide a frequency for routine (non-distress) calling by radiotelephony in the bands between 1 605 and 4 000 kHz after the full implementation of the GMDSS, as stipulated in Resolution No. 330 (Mob-87);

6. to reconsider the measures suggested in Resolution No. 323 (Mob-87) to prevent any maritime mobile use of the frequency 156.525 MHz other than for digital selective calling for distress, safety and calling;

7. to consider, revise as necessary, and take other appropriate action upon the relevant Resolutions and Recommendations.



PLENARY MEETING**Note by the Secretary-General****BUDGET OF THE WORLD RADIOCOMMUNICATION CONFERENCE**

The Council, at its 47th session in 1992, provisionally entered in the 1993 budget a credit of 1,580,000 Swiss francs for the convening of the first World Radiocommunication Conference pending on appropriate decision of the Additional Plenipotentiary Conference in December 1992.

Since then, this credit has been broken down as follows:

	Radiocommunication Assembly	World Radiocommunication Conference	Total
	<u>Swiss francs</u>		
Direct expenditure, meetings staff (Section 12)	721,000	409,000	1,130,000
Supernumerary staff, Common Services of the General Secretariat (Section 17)	305,000	145,000	450,000
Total	1,026,000	554,000	1,580,000

Details of estimated expenditure of this World Radiocommunication Conference are set out in annex.

Pekka TARJANNE
Secretary-General

ANNEX 1

Items		Budget 1993
Salaries and related expenses		
12.301	Meetings staff	246,000
12.302	Travel (recruitment)	63,000
12.303	Insurance	2,000
		311,000
Travel outside Geneva		
12.304.1	Subsistence allowance	-
12.304.2	Travel	-
12.304.3	Transport and dispatch	-
		-
Premises and equipment		
12.305	Premises, furniture, machines	17,000
12.306	Document production	30,000
12.307	Supplies and overheads	17,000
12.308	PTT	22,000
12.309	Sundry and unforeseen	12,000
		98,000
Total, Section 12		409,000
Estimate, Section 17		145,000
Total, Sections 12 + 17		554,000

ANNEX 2

WORLD RADIOCOMMUNICATION CONFERENCE

(15 - 19 November 1993)

I.	<u>Section 12</u>	<u>Swiss francs</u>
1.	<u>Salaries and related expenses</u> <u>(meeting staff)</u>	
	3 teams of 18 interpreters	
	10 operators	
	2 documentation clerks for interpreters	
	2 supernumerary staff for 110 days	
	- meeting staff	246,000
	- travel	63,000
	- insurance	2,000
2.	<u>Premises, equipment and machines</u>	17,000
3.	<u>Document production</u>	30,000
4.	<u>Supplies and overheads</u>	17,000
5.	<u>PTT (postage)</u>	22,000
6.	<u>Sundry and unforeseen</u>	<u>12,000</u>
		<u>409,000</u>
II.	<u>Section 17</u>	
	Estimated credits for supernumerary staff for the General Secretariat Common Services	<u>145,000</u>
	<u>Total credits proposed for the World Radiocommunication Conference</u>	<u>554,000</u>



PLENARY MEETING

Note by the Secretary-General

CONTRIBUTION OF ENTITIES AND ORGANIZATIONS
TO THE EXPENSES OF THE CONFERENCE

The Additional Plenipotentiary Conference, Geneva 1992, decided by its Resolution 1 that the provisions of the Constitution and the Convention (Geneva, 1992) relating to the new structure and working methods of the Union be applied provisionally as from 1 March 1993.

No. 478 of the Convention provides that any entity or organization which has been authorized to participate in a World Radiocommunication Conference, shall share in defraying the expenses of the Conference in question.

The amount of the contribution per unit shall be set by dividing the total amount of the budget of the Conference by the total number of units contributed by Members as their share of Union expenses. The contributions shall be considered as Union income and shall bear interest from the sixtieth day following the day on which accounts are sent out (No. 481 of the Convention).

The budget of the World Radiocommunication Conference, including a share for Common Services of the General Secretariat, amounts to 554,000 Swiss francs. The total number of Members' contributory units being 375 12/16, the contributory unit for entities and organizations which are not exempted amounts to 1,480 Swiss francs.

A list of these entities or organizations will be published later.

Pekka TARJANNE
Secretary-General



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 14-E
8 November 1993
Original: French

PLENARY MEETING

Note by the Secretary-General

FINANCIAL RESPONSIBILITIES OF CONFERENCES

The Additional Plenipotentiary Conference, Geneva 1992, decided by its Resolution 1, that the provisions of the Constitution and the Convention (Geneva, 1992) relating to the new structure and working methods of the Union be applied provisionally as from 1 March 1993.

The following provisions are given in Article 34 of the Convention :

- "1. Before adopting proposals or taking decisions with financial implications, the conferences of the Union shall take account of all the Union's budgetary provisions with a view to ensuring that they will not result in expenses beyond the credits which the Council is empowered to authorize.
2. No decision of a conference shall be put into effect if it will result in a direct or indirect increase in expenses beyond the credits that the Council is empowered to authorize."

The attention of the World Radiocommunication Conference is drawn to the above-mentioned provisions.

Pekka TARJANNE
Secretary-General



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Addendum 1 to
Document 15-E
17 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Note by the Secretary-General

PARTICIPATION REQUESTS SUBMITTED BY INTERNATIONAL ORGANIZATIONS

1. The Gulf Cooperation Council (GCC) has formally requested to participate in the Conference.
2. Pursuant to No. 275 of the Geneva Convention (1992), the Conference is requested to decide whether this organization is to be admitted to participate in an advisory capacity.

Pekka TARJANNE
Secretary-General



Note by the Secretary-General

PARTICIPATION REQUESTS SUBMITTED BY INTERNATIONAL ORGANIZATIONS

1. With the approval of the Council and in application of No. 273 of the Geneva Convention (1992), those international organizations which seemed likely to be interested in the work of the Conference were notified that the Conference was to be held.
2. Formal requests for admission to the Conference have been received from:
 - International Committee of the Red Cross (ICRC)
 - Agency for the Safety of Air Navigation in Africa and Madagascar (ASECNA)
 - International Satellite System for Search and Rescue (COSPAS-SARSAT)
 - European Communities (EC)
 - European Broadcasting Union (EBU)
 - International Association of Broadcasting (IAB)
 - Inter-Union Commission on the Allocation of Frequencies for Space Research and Radio Astronomy (IUCAF)
 - Asia-Pacific Broadcasting Union (ABU)
 - Arab States Broadcasting Union (ASBU)
 - International Amateur Radio Union (IARU)
 - North American National Broadcasters Association (NANBA)
 - International Association of Lighthouse Authorities (IALA)
3. Pursuant to No. 275 of the Geneva Convention (1992), the Conference is requested to decide whether these organizations are to be admitted to participate in an advisory capacity.

Pekka TARJANNE
Secretary-General



PLENARY MEETING

Note by the Secretary-General

INVITATIONS

1. Members of the Union

In a letter dated 16 March 1993, the Secretary-General invited the Members of the Union (with the exception of the Republic of South Africa) to send delegations to the Conference (numbers 257 and 311 of the Geneva Convention, 1992).

The responses received to date are contained in the Annex.

2. The United Nations and its specialized agencies (numbers 259, 262, 278 and 311 of the Geneva Convention, 1992)

The Secretary-General invited the United Nations and the following specialized agencies to send observers to the Conference:

- International Civil Aviation Organization (ICAO)*
- United Nations Educational, Scientific and Cultural Organization (UNESCO)**
- International Maritime Organization (IMO)
- World Meteorological Organization (WMO)*

3. Regional telecommunication organizations (numbers 260, 278 and 311 of the Geneva Convention, 1992)

The Secretary-General invited the following regional telecommunication organizations to send observers to the Conference:

- African Postal and Telecommunication Union (UAPT)
- League of Arab States (LAS)
- Asia-Pacific Telecommunity (APT)*
- European Conference of Postal and Telecommunications Administrations (CEPT)*
- Conference of Postal and Telecommunications Administrations of Central Africa (CAPTAC)
- Inter-American Telecommunications Conference (CITEL)

* Has accepted the invitation.

** Has replied that it will not be possible to send an observer.

- Panafrican Telecommunication Union (PATU)
- Technical Commission for Telecommunications in Central America (COMTELCA)
- Caribbean Telecommunication Union (CTU)*
- European Telecommunication Standards Institute (ETSI)
- Regional Commonwealth in the field of Communications (RCC)*

4. Intergovernmental organizations operating satellite systems (numbers 261, 278 and 311 of the Geneva Convention, 1992)

The Secretary-General has invited the following intergovernmental organizations operating satellite systems to send observers to the Conference:

- ARABSAT*
- EUTELSAT*
- INMARSAT*
- INTELSAT*
- INTERSPUTNIK*
- ESA*

5. Liberation organizations

The Secretary-General informed the liberation organizations mentioned in Administrative Council Resolution No. 741 of the holding of the Conference and reminded them that under the terms of that Resolution they are entitled to attend all ITU conferences and meetings as observers.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

**Members who have announced their intention to
participate in the Conference**

(As of 12 November 1993)

X = Has announced its intention to participate in the Conference.

O = Has stated that it will be unable to participate in the Conference.

Afghanistan		Brunei Darussalam	X
Albania	X	Bulgaria	X
Algeria	X	Burkina Faso	X
Germany	X	Burundi	X
Angola	X	Cambodia	O
Antigua and Barbuda		Cameroon	X
Saudi Arabia	X	Canada	X
Argentina	X	Cape Verde	X
Armenia	X	Central African Rep.	
Australia	X	Chile	X
Austria	X	China	X
Azerbaijan		Cyprus	X
Bahamas	X	Vatican	X
Bahrain	X	Colombia	X
Bangladesh	X	Comoros	
Barbados	X	Congo	X
Belarus	X	Korea (Rep. of)	X
Belgium	X	Costa Rica	
Belize		Côte d'Ivoire	X
Benin	X	Croatia	X
Bhutan		Cuba	X
Bolivia		Denmark	X
Bosnia and Herzegovina		Djibouti	X
Botswana		Dominican Rep.	X
Brazil	X	Egypt	X

El Salvador		Italy	X
United Arab Emirates	X	Jamaica	X
Ecuador	X	Japan	X
Eritrea	X	Jordan	O
Spain	X	Kazakhstan	
Estonia	X	Kenya	X
United States	X	Kiribati	
Ethiopia	X	Kuwait	X
Fiji	X	Lao P.D.R.	
Finland	X	Lesotho	
France	X	Latvia	X
Gabon	X	The Former Yugoslav Republic of Macedonia	X
Gambia	X		
Georgia		Lebanon	X
Ghana	X	Liberia	X
Greece	X	Libya	X
Grenada		Liechtenstein	X
Guatemala		Lithuania	X
Guinea	X	Luxembourg	X
Guinea-Bissau		Madagascar	X
Equatorial Guinea	X	Malaysia	X
Guyana		Malawi	X
Haiti		Maldives	O
Honduras		Mali	X
Hungary	X	Malta	X
India	X	Morocco	X
Indonesia	X	Mauritius	X
Iran (Islamic Republic of)	X	Mauritania	
Iraq		Mexico	X
Ireland	X	Micronesia	X
Iceland	X	Moldova	X
Israel	X	Monaco	X

Mongolia	X	Solomon	O
Mozambique	X	Western Samoa	
Myanmar	X	Sao Tome and Principe	
Namibia	X	Senegal	X
Nauru		Sierra Leone	
Nepal		Singapore	X
Nicaragua		Slovenia	X
Niger	X	Somalia	
Nigeria		Sudan	
Norway	X	Sri Lanka	X
New Zealand	X	Sweden	X
Oman	X	Switzerland	X
Uganda	X	Suriname	X
Uzbekistan		Swaziland	O
Pakistan	X	Tanzania	X
Panama	O	Chad	X
Papua New Guinea	X	Thailand	X
Paraguay	X	Togo	X
Netherlands	X	Tonga	X
Peru		Trinidad and Tobago	X
Philippines	X	Tunisia	X
Poland	X	Turkmenistan	O
Portugal	X	Turkey	X
Qatar	X	Ukraine	X
Syria		Uruguay	X
Dem. People's Rep. of Korea	X	Vanuatu	
Slovak Republic	X	Venezuela	X
Czech Rep.	X	Viet Nam	X
Romania	X	Yemen	
United Kingdom	X	Yugoslavia (Fed. Rep. of)	
Russia	X	Zaire	
Rwanda	X	Zambia	O
San Marino	X	Zimbabwe	X
Saint Vincent and the Grenadines			



GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Note by the Secretary-General

INVITATIONS

1. Members of the Union

In a letter dated 16 March 1993, the Secretary-General invited the Members of the Union (with the exception of the Republic of South Africa) to send delegations to the Conference (numbers 257 and 311 of the Geneva Convention, 1992).

The responses received to date are contained in the Annex.

2. The United Nations and its specialized agencies (numbers 259, 262, 278 and 311 of the Geneva Convention, 1992)

The Secretary-General invited the United Nations and the following specialized agencies to send observers to the Conference:

- International Civil Aviation Organization (ICAO)*
- United Nations Educational, Scientific and Cultural Organization (UNESCO)**
- International Maritime Organization (IMO)*
- World Meteorological Organization (WMO)*

3. Regional telecommunication organizations (numbers 260, 278 and 311 of the Geneva Convention, 1992)

The Secretary-General invited the following regional telecommunication organizations to send observers to the Conference:

- African Postal and Telecommunication Union (UAPT)
- League of Arab States (LAS)
- Asia-Pacific Telecommunity (APT)*
- European Conference of Postal and Telecommunications Administrations (CEPT)
- European Radiocommunication Office (ERO)*
- Conference of Postal and Telecommunications Administrations of Central Africa (CAPTAC)

* Has accepted the invitation.

** Has replied that it will not be possible to send an observer.

- Inter-American Telecommunications Conference (CITEL)
- Panafriean Telecommunication Union (PATU)
- Technical Commission for Telecommunications in Central America (COMTELCA)
- Caribbean Telecommunication Union (CTU)*
- European Telecommunication Standards Institute (ETSI)
- Regional Commonwealth in the field of Communications (RCC)*

4. Intergovernmental organizations operating satellite systems (numbers 261, 278 and 311 of the Geneva Convention, 1992)

The Secretary-General has invited the following intergovernmental organizations operating satellite systems to send observers to the Conference:

- ARABSAT*
- EUTELSAT*
- INMARSAT*
- INTELSAT*
- INTERSPUTNIK*
- ESA*

5. Liberation organizations

The Secretary-General informed the liberation organizations mentioned in Administrative Council Resolution No. 741 of the holding of the Conference and reminded them that under the terms of that Resolution they are entitled to attend all ITU conferences and meetings as observers.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

**Members who have announced their intention to
participate in the Conference**

(As of 12 November 1993)

X = Has announced its intention to participate in the Conference.

O = Has stated that it will be unable to participate in the Conference.

Afghanistan		Brunei Darussalam	X
Albania	X	Bulgaria	X
Algeria	X	Burkina Faso	X
Germany	X	Burundi	X
Angola	X	Cambodia	O
Antigua and Barbuda		Cameroon	X
Saudi Arabia	X	Canada	X
Argentina	X	Cape Verde	X
Armenia	X	Central African Rep.	
Australia	X	Chile	X
Austria	X	China	X
Azerbaijan		Cyprus	X
Bahamas	X	Vatican	X
Bahrain	X	Colombia	X
Bangladesh	X	Comoros	
Barbados	X	Congo	X
Belarus	X	Korea (Rep. of)	X
Belgium	X	Costa Rica	
Belize		Côte d'Ivoire	X
Benin	X	Croatia	X
Bhutan		Cuba	X
Bolivia		Denmark	X
Bosnia and Herzegovina		Djibouti	X
Botswana		Dominican Rep.	X
Brazil	X	Egypt	X

El Salvador		Italy	X
United Arab Emirates	X	Jamaica	X
Ecuador	X	Japan	X
Eritrea	X	Jordan	O
Spain	X	Kazakhstan	
Estonia	X	Kenya	X
United States	X	Kiribati	
Ethiopia	X	Kuwait	X
Fiji	X	Lao P.D.R.	
Finland	X	Lesotho	
France	X	Latvia	X
Gabon	X	The Former Yugoslav Republic of Macedonia	X
Gambia	X		
Georgia		Lebanon	X
Ghana	X	Liberia	X
Greece	X	Libya	X
Grenada		Liechtenstein	X
Guatemala		Lithuania	X
Guinea	X	Luxembourg	X
Guinea-Bissau		Madagascar	X
Equatorial Guinea	X	Malaysia	X
Guyana		Malawi	X
Haiti		Maldives	O
Honduras		Mali	X
Hungary	X	Malta	X
India	X	Morocco	X
Indonesia	X	Mauritius	X
Iran (Islamic Republic of)	X	Mauritania	
Iraq		Mexico	X
Ireland	X	Micronesia	X
Iceland	X	Moldova	X
Israel	X	Monaco	X

Mongolia	X	Solomon	O
Mozambique	X	Western Samoa	
Myanmar	X	Sao Tome and Principe	
Namibia	X	Senegal	X
Nauru		Sierra Leone	
Nepal		Singapore	X
Nicaragua		Slovenia	X
Niger	X	Somalia	
Nigeria		Sudan	
Norway	X	Sri Lanka	X
New Zealand	X	Sweden	X
Oman	X	Switzerland	X
Uganda	X	Suriname	X
Uzbekistan		Swaziland	O
Pakistan	X	Tanzania	X
Panama	O	Chad	X
Papua New Guinea	X	Thailand	X
Paraguay	X	Togo	X
Netherlands	X	Tonga	X
Peru		Trinidad and Tobago	X
Philippines	X	Tunisia	X
Poland	X	Turkmenistan	O
Portugal	X	Turkey	X
Qatar	X	Ukraine	X
Syria		Uruguay	X
Dem. People's Rep. of Korea	X	Vanuatu	
Slovak Republic	X	Venezuela	X
Czech Rep.	X	Viet Nam	X
Romania	X	Yemen	
United Kingdom	X	Yugoslavia (Fed. Rep. of)	
Russia	X	Zaire	
Rwanda	X	Zambia	O
San Marino	X	Zimbabwe	X
Saint Vincent and the Grenadines			



Federative Republic of Brazil

PROPOSALS FOR THE WORK OF THE CONFERENCE

1. Introduction

The World Radiocommunication Conference (WRC-93) will be an important Conference as it will propose to the ITU Council the agendas for two major Conferences to occur in 1995 and 1997.

The Brazilian Administration has been participating in the work carried out by the Voluntary Group of Experts and believes that the revision of the Radio Regulations will be the most important subject for discussion in the World Radiocommunication Conference, Geneva, 1995 (WRC-95).

The Brazilian Administration also believes that important discussions should take place at WRC-95 regarding the use of some frequency bands by the mobile-satellite service and its feeder links. The WRC-93 should consider the possibility of defining procedures to facilitate the use of some frequency bands by the mobile-satellite service prior to the WRC-95 decisions.

2. Summary of the proposals of Brazil for WRC-93

2.1 Revision of the Radio Regulations based on the report from the Voluntary Group of Experts

For the last few years, the VGE has been working on the simplification of the Radio Regulations.

B/17/1

Taking into account the work that has already been accomplished, Brazil proposes to include in the WRC-95 agenda the discussion of the work of the VGE, with a view to revising the Radio Regulations.

2.2 Advance of the date of introduction of the mobile-satellite service in the bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz

These bands have been allocated by WARC-92 to the mobile-satellite service from 1 January 2005. Even though in Brazil these bands are used by the fixed service, Brazil is confident that appropriate sharing criteria may be developed that will allow the use of the bands by the fixed- and the mobile-satellite services.

In addition, Brazil believes that the use of these bands by the mobile-satellite service may be required before 2005, for example, to enable the introduction of the satellite component of FPLMTS at the same time as the terrestrial component.

Based on the above discussion, the Brazilian Administration proposes:

B/17/2

a) to include in the WRC-95 agenda the discussion of the anticipation of the date of introduction of the mobile-satellite service in the bands 1 970 - 2 010 MHz/2 160 - 2 200 MHz from 2005 to 1999;

B/17/3

b) to produce at WRC-93 a Resolution that would allow administrations to initiate the coordination procedures concerning the bands in item a) above, six years in advance, even though the final decision regarding the anticipation date would be left to WRC-95.

2.3 Frequency bands for the feeder links of the mobile-satellite service using non-geostationary satellites

Since WARC-92, several networks started coordination procedures aiming at the provision of mobile-satellite service using non-geostationary satellites. The feeder links to these systems use frequency bands from the fixed-satellite service, but must comply with RR 2613 that relegates the feeder links to an almost secondary status when compared with the fixed-satellite service using geostationary satellites.

B/17/4

In order to create a more equitable coordination status, Brazil proposes to include in the WRC-95 agenda the discussion of modifications to RR 2613.

2.4 Consequential changes to the Radio Regulations resulting from the work of the Radiocommunication and Telecommunication Standardization Sectors

B/17/5

Brazil proposes to include in the WRC-95 agenda the consideration of consequential changes to the Radio Regulations in response to Resolution Nos. 46, 70, 113, 212 and 213 and Recommendation No. 717.



WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

GENEVA, 15-19 NOVEMBER 1993

Document 18-E
15 November 1993
Original: French

COMMITTEE 3

Note by the Secretary-General

SITUATION OF THE ACCOUNTS OF THE WORLD RADIOCOMMUNICATION CONFERENCE

AS AT 15 NOVEMBER 1993

I have the honour to submit herewith for examination by the Budget Control Committee an estimate of the expenditure of the World Radiocommunication Conference as at 15 November 1993.

Pekka TARJANNE
Secretary-General

Annex : 1

ANNEX

Recapitulation	Budget value 1/1/92	adjusted value 1/11/93	Actual expenditure 15/11/93	Committed and estimated expenditure	Total expenditure
Salaries and related expenses					
- Meetings staff	246.000	253.000	-	200.000	200.000
- Travel (recruitment)	63.000	63.000	-	20.000	20.000
- Insurance	2.000	2.000	-	2.000	2.000
Sub-total I	311.000	318.000	-	222.000	222.000
Travel outside Geneva					
- Subsistence allowance	-	-	-	-	-
- Travel	-	-	-	-	-
- Transport and dispatch	-	-	-	-	-
Sub-total II	-	-	-	-	-
Premises and equipment					
- Premises, furniture, machines	17.000	17.000		17.000	17.000
- Document production	30.000	30.000	1.000	39.000	40.000
- Supplies and overheads	17.000	17.000	7.600	7.500	15.100
- PTT	22.000	22.000	1.400	20.700	22.100
- Sundry and unforeseen	12.000	12.000		10.000	10.000
Sub-total III	98.000	98.000	10.000	94.200	104.200
Total, Section 12	409.000	416.000	10.000	316.200	326.200
Estimate, Section 17	145.000	150.000		150.000	150.000
Total, Sections 12 +17	554.000	566.000	10.000	466.200	476.200



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Corrigendum 1 to

Document 19-E

17 November 1993

Original: English

PLENARY MEETING

Kingdom of Saudi Arabia

PROPOSALS FOR THE WORK OF THE CONFERENCE

In § 3, draft Recommendation on the provisional agenda for WRC-97, **recommends** 1, second line, replace "102 - 103 MHz" with "401 - 403 MHz".



PLENARY MEETING

Kingdom of Saudi Arabia

PROPOSALS FOR THE WORK OF THE CONFERENCE

Introduction

The World Radiocommunication Conference, 1993 (WRC-93) is required to make recommendations concerning the agenda for the 1995 World Radiocommunication Conference (WRC-95) and for the preliminary agenda for the 1997 World Radiocommunication Conference (WRC-97). In making the proposals for the agendas, the Saudi Arabian Administration has considered all of the relevant Resolutions and Recommendations of the previous conferences and in particular, of the Additional Plenipotentiary Conference, 1992 (APP-92) and of the World Administrative Radio Conference, 1992 (WARC-92). It is considered essential that the agenda for WRC-95 should reflect the spirit of Resolution No. 8 of the APP-92. The urgency and importance of simplifying the existing Radio Regulations has been emphasized in this Resolution and for this purpose it has been envisaged that the major task of WRC-95 would be the consideration of the Report and recommendations of the Voluntary Group of Experts (VGE). The Saudi Arabian Administration recognizes the importance and relevance of the Radio Regulations to the development of the various categories of radiocommunication services, both terrestrial and space, and for ensuring interference-free operation of all of these services with a view to optimizing the use of the limited natural resources of the radio-frequency spectrum and geostationary-satellite orbit.

The intensive efforts of the VGE over a period of about four years would result in a Report and recommendations of the VGE for detailed consideration by WRC-95. It is, therefore, essential to provide adequate time to WRC-95 to examine and where necessary, adopt the extensive revision/simplification of Volumes 1 and 2 of the Radio Regulations as proposed by the VGE. In view of this, it is not desirable or appropriate to reopen the decisions of WARC-92 for consideration by WRC-95. Some of the subjects, which were recommended by previous conferences for consideration by a future conference, could be considered for inclusion in the provisional agenda for WRC-97 depending upon the importance and urgency. Other subjects could be included in the agenda for WRC-99 or subsequent conferences.

The following proposals are based on the above considerations.

ARS/19/1

2. Draft Resolution on the agenda for WRC-95

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) Resolution No. 8 of the Additional Plenipotentiary Conference, Geneva 1992, (APP-92) and in particular paragraph e) under **recognizing**;
- b) relevant Resolutions and Recommendations of the previous World Administrative Radio Conferences;
- c) Resolution No. 1032 of the Administrative Council establishing the agenda for the present Conference;

noting

- a) the urgency and importance of simplifying existing Radio Regulations as envisaged in Resolution No. 8 of the APP-92;
- b) the Report of the Voluntary Group of Experts (VGE) to WRC-93;

resolves

to recommend to the Council the following agenda for the World Radiocommunication Conference 1995:

- 1. to review the Report and recommendations of the Voluntary Group of Experts, taking into consideration the comments and proposals of administrations, with a view to taking appropriate action for simplifying the Radio Regulations;
- 2. to review and where necessary, develop regulatory provisions and/or sharing criteria for coordination of mobile-satellite systems, including those using non-geostationary-satellite orbits;
- 3. to review the relevant provisions in the Radio Regulations in order to facilitate the coordination of frequencies for feeder links for mobile-satellite services;
- 4. to recommend to the Council the agenda for the World Radiocommunication Conference, 1997 (WRC-97) and to the WRC-97 the provisional agenda for WRC-99;
- 5. to consider and approve the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector as required under No. 125 of the Convention of the International Telecommunication Union, Geneva 1992;

invites the Council

to take further necessary action to convene WRC-95;

ARS/19/2

3. Draft Recommendation on the provisional agenda for WRC-97

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) Resolution No. 1032 of the Administrative Council establishing the agenda for the present Conference;
- b) Provision No. 126 of the Convention of the International Telecommunication Union, Geneva 1992;
- c) relevant Resolutions and Recommendations of the previous World Administrative Radio Conferences;
- d) proposed agenda for the World Radiocommunication Conference, 1995;

recommends

to the World Radiocommunication Conference, 1995, the inclusion of the following items in the provisional agenda for WRC-97;

- 1. consider the allocation to the meteorological-satellite and Earth exploration-satellite services in the band 102 - 103 MHz with the intent of raising the allocation status to primary as proposed in Resolution No. 710;
- 2. review the provisions in No. 855A of the Radio Regulations in the light of the results of studies carried out by the Radiocommunication Sector as required by Resolution No. 112;
- 3. review Article 27 to define conditions under which sharing is possible between mobile and space services in the frequency bands 2 025 - 2 110 and 2 200 - 2 290 MHz, as required by Resolution No. 211;
- 4. review the existing allocations in the 8 - 20 GHz range to the Earth exploration-satellite and space research services with a view to establishing common worldwide primary allocations to those services in appropriate bands as required by Resolution No. 712;
- 5. consider the possibility of additional allocation of a spectrum of about 50 MHz near 23 GHz for intersatellite services as required by Resolution No. 712;
- 6. review the technical coordination parameters in Appendix 28 based on the latest studies carried out by the Radiocommunication Sector as required by Resolution No. 712;
- 7. consider the allocation of appropriate frequency spectrum near 50 MHz, 400 MHz and 1 000 MHz for the operational use of wind profile radars, as required by Recommendation No. 621;
- 8. consider the allocation of a spectrum of about 1 GHz around 35 GHz for use by space-based active earth sensors as required by Resolution No. 712;

9. review Appendix 8 of the Radio Regulations dealing with limits for spurious and out-of-band emissions based on the studies carried out by the Radiocommunication Sector, as required by Recommendation No. 66;
10. consider and approve the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector;
11. recommend to the Council the agenda for the World Radiocommunication Conference, 1999 (WRC-99) and to WRC-99 the items to be included in WRC-2001;

instructs the Secretary-General

to bring this Recommendation to the attention of the WRC-95.



PLENARY MEETING

Australia

PROPOSALS FOR THE WORK OF THE CONFERENCE

Following the structural reforms adopted by the Additional Plenipotentiary Conference in 1992, Australia is proposing items for the work programme and other measures to ensure the continuing vitality of work in the Radiocommunication Sector.

The linked meetings of the World Radiocommunication Conference and the Radiocommunication Assembly provide the opportunity to establish directions and priorities for the ITU Radiocommunication Sector for the next four years.

When considering agendas for WRC-95 and WRC-97, the Conference needs to think about the implications for all the related activities of the Radiocommunication Sector, including the work to be done in the Bureau and in conference preparatory groups and study groups.

Australia supports mobilization of the new structures to ensure that technical, procedural and regulatory issues are examined, and options are developed through conference preparatory groups and study group consultations. This will provide a sound basis for consensus decisions by a WRC on the treaty texts of the Radio Regulations.

To ensure that constructive work commences without delay, the decisions of this Conference should include appropriate instructions and requests to the Secretary-General and the Sectors of the Union, as authorized by Article 7 of the Convention (No. 127).

Australia's position is that the primary task for the 1995 Conference is the consideration of reforms in the Radio Regulations recommended by the Voluntary Group of Experts. Some issues such as improved satellite frequency band designations and coordination arrangements may be considered in that context, but provision should be made for further consideration of these issues in 1997. A number of other topics are proposed for initial consideration at WRC-95. The purpose of this is to identify topics for study prior to decisions being taken in 1997. A similar process will be needed at WRC-97 and beyond.

Preliminary studies in the ITU-R Sector will need to be supported by the Bureau, with the guidance of the Director.

Reports of preparatory studies should not be channelled through the Radiocommunication Assembly. The Assembly may deal with the organization of preparatory work in study groups, but it has no constitutional mandate to deliberate on the substance of treaty-level matters in the Radio Regulations.

AGENDA FOR THE WRC-95

AUS/20/1

Australia proposes that the agenda for the 1995 World Radiocommunication Conference include the following matters:

- 1) review the Report of the Voluntary Group of Experts; take action as appropriate to revise the Radio Regulations and implement the recommendations of the VGE; and provide guidance to the WRC-97 on matters requiring further consideration and action;
- 2) consider proposals for inclusion in Article 28 of power limits for earth stations of the Earth exploration-satellite, space operation and space research services in the band 2 025 - 2 110 MHz;
- 3) give initial consideration to:
 - a) modifications to the Radio Regulations consequential to the results of studies requested in Resolution No. 46 (WARC-92), Resolution No. 522 (WARC-92) and Recommendation No. 717 (WARC-92) concerning coordination methods, orbital data relating to non-geostationary satellite systems, and sharing criteria;
 - b) the possibility of bringing forward on a worldwide basis the date of entry into force of the allocation to the mobile-satellite service in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz and to take action as necessary;
 - c) proposals and views on frequency allocation and regulatory aspects concerning feeder links to mobile-satellite service systems, especially those using non-geostationary orbits, with a view to the WRC-97 undertaking further action;
 - d) proposals and views on options for improvements to the broadcasting-satellite service Plans for Regions 1 and 3 in Appendices 30 and 30A, with a view to the WRC-97 undertaking further action;
 - e) proposals and views on raising the status of the allocation to the Earth exploration-satellite service in the band 8 025 - 8 400 MHz in Regions 1 and 3, with a view to the WRC-97 undertaking further action;
 - f) proposals and views on raising the status of the allocation in No. 713 (RR) to the Earth exploration-satellite service in the band 13.4 - 13.75 GHz, with a view to the WRC-97 undertaking further action;
- 4) assess the progress of studies initiated by:
 - a) WARC-92 Resolution No. 112 concerning the allocations to services in the band 13.75 - 14 GHz and No. 855A (RR) and consider appropriate action;
 - b) WARC-92 Recommendation No. 621 concerning wind profiler radars, with a view to the WRC-97 undertaking further action.

The WRC-95 agenda should also include consideration of:

- a) the activities of the Radio Regulations Board, the Radiocommunication Bureau and supporting activities of the Radiocommunication Assembly;
- b) the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector;
- c) an agenda for the 1997 Conference, taking into account the views of this Conference in Resolution No. [...]; and
- d) a preliminary agenda for the 1999 Conference.

The WRC-93 Resolution concerning the agenda for the WRC-95 should also include instructions and requests to the Director concerning preparatory studies for WRC-95 and other future conferences.

PRELIMINARY AGENDA FOR THE WRC-97

AUS/20/2

Australia proposes that the preliminary agenda for the 1997 World Radiocommunication Conference include the following matters:

- 1) further simplification of the Table of Frequency Allocations including, in particular, generic satellite communication allocations;
- 2) take any further necessary action concerning the date of entry into force of the allocation to the mobile-satellite service in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz;
- 3) modifications to the Radio Regulations consequential to the results of studies requested in Resolution No. 46 (WARC-92), Resolution No. 522 (WARC-92) and Recommendation No. 717 (WARC-92) concerning coordination methods, orbital data relating to non-geostationary satellite systems and sharing criteria;
- 4) consideration of further improvements to satellite coordination arrangements;
- 5) frequency allocation and regulatory questions concerning feeder links to mobile-satellite service systems, especially those using non-geostationary orbits;
- 6) options for improvements to the broadcasting-satellite service Plans for Regions 1 and 3 in Appendices 30 and 30A;
- 7) raising the status of the allocation to the Earth exploration-satellite service in the band 8 025 - 8 400 MHz in Regions 1 and 3;
- 8) raising the status of the allocation in No. 713 (RR) to the Earth exploration-satellite service in the band 13.4 - 13.75 GHz;
- 9) any action required as a result of studies initiated by WARC-92 decisions:
 - a) Recommendation No. 66 concerning maximum permitted levels of spurious emissions;
 - b) Resolution No. 112 concerning the allocations to services in the band 13.75 - 14 GHz and No. 855A (RR);
 - c) Recommendation No. 621 concerning wind profiler radars.

The WRC-97 agenda should also include consideration of:

- a) the activities of the Radio Regulations Board, the Radiocommunication Bureau and supporting activities of the Radiocommunication Assembly;
- b) the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector;
- c) an agenda for the 1999 Conference; and
- d) a preliminary agenda for the 2001 Conference.

The agenda for the WRC-97 should also include provision for instructions and requests to the Director concerning preparatory studies for WRC-99 and other future conferences.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 21-E
8 November 1993
Original: French

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

France

PROPOSAL FOR THE WORK OF THE CONFERENCE

Draft Resolution on the review of the BSS Plans in Regions 1 and 3 (Appendices 30 and 30A)

This contribution contains a draft WRC-93 Resolution aimed at addressing, at the most appropriate time, the issues associated with the review of the Plans for the broadcasting-satellite service in the frequency bands 11.7 - 12.5 GHz (Region 1) and 11.7 - 12.2 GHz (Region 3) in Appendix 30 and the associated feeder-link Plans in Appendix 30A.

Annex: 1

ANNEX

F/21/1

DRAFT RESOLUTION

**On the Review of the Plans for the Broadcasting-Satellite Service in the
Frequency Bands 11.7 - 12.5 GHz (Region 1) and 11.7 - 12.2 GHz
(Region 3) in Appendix 30 and the Associated Feeder-Link
Plans in Appendix 30A**

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) that, according to Article 14 of Appendix 30, the broadcasting-satellite service Plans in Appendix 30 for Regions 1 and 3 have been established to meet the requirements of this service until at least January 1994;
- b) that WARC-92 Resolution No. 524 has recommended to consider the convening of a WRC to revise the parts of Appendices 30 and 30A relevant to Regions 1 and 3, in the light of studies carried out by the CCIR;
- c) that modernization of the Appendix 30 Plans would be valuable in offering the prospects of more efficient utilization of the spectrum and orbit resources by taking into account technological improvements which could be used to increase the capacity and the flexibility of the Plans without reducing the number of current assignments to each country;
- d) that the requirements of new countries and the development of the requirements of all countries for the broadcasting-satellite service have now reached a point where they can no longer be met by the capacity and flexibility built in the present Plans;
- e) that the requirements for HDTV will need to be satisfied well before the bands allocated to this application by WARC-92 are available (i.e. 2007), and that the 12 GHz band would be well suited to this purpose, in particular in high rainfall climatic zones;

noting

- a) that the evolution of technologies since 1977, in terms of modulation, receiver sensitivity, antenna side lobe and efficiency, makes it possible to greatly enhance the efficiency that can be achieved in using the orbit and spectrum resources associated with the Plans;
- b) that these enhancements would be required to meet the requirements of new countries as well as the increasing requirements of the countries already benefiting from assignments in the Plans;
- c) that, as a result of the process which was used in establishing the Plans, and the limited flexibility of these Plans, these enhancements cannot be achieved without a global revision of the Plans, at Regions 1 and 3 levels;

- d) that the use of the initial assignments in the Plans is presently extremely limited, as a result of the exceedingly small number of channels allocated to each country;
- e) that, as a result of the increasing requirements in many countries, most of the use of the orbit/spectrum resources in the Plans is and will be done in the near and medium term by satellite networks implementing modifications to these Plans, rather than by satellite networks implementing initial assignments of these Plans;
- f) that the need to protect a growing number of such networks may lead to great difficulties in the future to establish suitable revised Plans that could accommodate both future requirements and the protection of existing networks;
- g) that this situation is likely to result in poor efficiency in the use of the orbit/spectrum resources of the Plans;
- h) that, as a consequence, revision of the Plans should be undertaken at the earliest opportunity;
- i) that the ITU Radiocommunication Sector has already initiated the studies necessary to undertake such a revision;

invites the ITU Radiocommunication Sector

to study, as a matter of priority, the technical means to increase the efficiency and the flexibility of the Plans;

resolves to recommend to the Council

- a) to include in the preliminary agenda of WRC-97 the review and, as appropriate, the revision of the Regions 1 and 3 Plans in Appendices 30 and 30A, in line with the decisions of WARC-92 Resolution No. 524;
 - b) to request WRC-95 to consider the appropriate steps to enable WRC-97 to carry out this task.
-



PLENARY MEETING

France

PROPOSAL FOR THE WORK OF THE CONFERENCE

Draft Resolution WRC-93 - (Resolution No. 712 (WARC-92) - Consideration by a Future Competent World Radio Conference of Issues Dealing with Allocations to Space Services which were not Placed on the Agenda of WARC-92)

F/22/1

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) that the 13.4 - 14 GHz band is allocated by RR 713 to radiolocation stations located on spacecraft with a secondary status;
- b) that this band is of great value for active sensing and monitoring of oceanographic and terrestrial ecological phenomena, as a great number of spacecraft have shown over the past decades;
- c) that sharing with terrestrial radiolocation devices operating in this band has been shown to be feasible;
- d) that Radiocommunication Task Groups 7/3 and 4/4 have carried out studies that bear on accommodation of active sensors in the 13 - 14 GHz region of the radio spectrum;
- e) that Resolution No. 112 (WARC-92) relating to the allocation of frequencies to the fixed-satellite service in the 13.75 - 14 GHz band is liable to raise problems of compatibility with Earth exploration-satellite services, particularly radio altimetres;

resolves

that the 1997 World Radiocommunication Conference examine the allocation to the Earth exploration-satellite service for active sensors located on spacecraft in the 13.4 - 13.75 GHz band, with the intent of raising the allocation to primary status;

invites the Council

to undertake the necessary action to place this matter on the agenda of the 1997 World Radiocommunication Conference.



GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

France

PROPOSAL FOR THE WORK OF THE CONFERENCE

Draft Resolution WRC-93 - (Resolution No. 712 (WARC-92) - Consideration by a future competent world radiocommunication conference of issues dealing with allocations to space services which were not placed on the agenda of WARC-92).

F/23/1

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that the 8.025 - 8.4 GHz band is densely used by space agencies and other government users for transmission of ecological data, space-Earth, in the Earth exploration-satellite service;
- b) that Earth exploration satellite systems have shared this band with other terrestrial and space services without causing any interference, since the 1979 WARC;
- c) that all current systems in these bands use low-Earth orbiting satellites, which cover all three ITU Regions;
- d) that the allocation to the Earth exploration-satellite service in the 8.025 - 8.4 GHz band is complex and not uniform worldwide;
- e) that the Earth exploration-satellite service already has a primary status in ITU Region 2;
- f) that WARC-92 adopted Resolution No. 712 to examine the matter of a worldwide primary allocation to the Earth exploration-satellite service in the 8.025 - 8.4 GHz band, at the next competent conference;

resolves

that the 1997 World Radiocommunication Conference examine the allocation to the Earth exploration-satellite service in the 8.025 - 8.4 GHz band with the intent of raising the allocation to a primary status in Regions 1 and 3;

invites the Council

to undertake the necessary action to place this matter on the agenda of the 1997 World Radiocommunication Conference.



PLENARY MEETING

France

PROPOSAL FOR THE WORK OF THE CONFERENCE

Draft Resolution submitted to WRC-93: Mobile-satellite service in the 2 GHz band

Following WARC-92, the opening date of the 2 GHz band for the mobile-satellite service (MSS) is not the same for all Member countries of the ITU.

This unbalanced situation has already been noted during the Additional Plenipotentiary Conference in December 1992 and the Council has put on the WRC-93 agenda the possibility for it to submit to WRC-95 "Directives on measures to facilitate the use of the frequency bands allocated to this service".

Therefore, France thinks it necessary and possible:

- to introduce in the WRC-95 agenda the possible advancement of the opening date of the MSS 2 GHz band;
- to adopt during this WRC-93 some transitional arrangements for the coordination of MSS networks using this band.

Thus France supports the European Common Proposal on the WRC-95 agenda, as far as it contains the first point, and proposes on the second item, to study during WRC-93 the draft Resolution in annex.

Annex: 1

ANNEX

F/24/1

RESOLUTION NO. XXX

**Transitional arrangements for the coordination of frequency assignments
in the mobile-satellite service for satellite networks planned for
operations in the frequency bands 1 980 - 2 010 MHz and
2 170 - 2 200 prior to the year 2005**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that the frequency bands 1 980 - 2 010 and 2 170 - 2 200 MHz are allocated on a worldwide basis and co-primary basis to the fixed, mobile and mobile-satellite service (MSS);
- b) that the frequency bands 1 885 - 2 025 and 2 110 - 2 200 MHz are intended for use on a worldwide basis by administrations wishing to implement the future public land mobile telecommunications system (FPLMTS) and that such use does not preclude the use of these bands by other co-primary services;
- c) that the general use of the 1 980 - 2 010 and 2 170 - 2 200 MHz bands by the MSS in relevant Regions shall not commence before January 2005 (1 January 1996 in the United States), and that such use is subject to the application of the coordination and notification procedures of Resolution 46;

recognizing

- a) that the FPLMTS comprises both a terrestrial and satellite component and that the FPLMTS could also meet the telecommunication needs of the developing countries and rural areas;
- b) that MSS networks could provide the satellite component of FPLMTS, in accordance with technical characteristics established in the relevant Recommendations of the ITU Radiocommunication and Standardization Sectors;
- c) that significant progress has already been achieved in developing such Recommendations relating to the FPLMTS in the above Sectors;
- d) that the initial implementation of the terrestrial component of the FPLMTS is expected to commence by the year 2000;

e) that administrations may be interested in planning MSS satellite networks, especially those intended to provide a satellite component of the FPLMTS, for operation in the 1 980 - 2 010 and 2 170 - 2 200 MHz bands prior to the year 2005 and that it is now recognized in the Radiocommunication Sector that the introduction of the satellite and terrestrial components in a coincident time-frame would considerably benefit the initial and overall introduction of the FPLMTS from the year 2000;

f) that there may be scope for the progressive introduction from the year 2000 onwards of MSS satellite networks, especially those providing the satellite component of FPLMTS, on a worldwide basis in the above bands through appropriate transitional arrangements;

resolves

1. that administrations are authorized from 19 November 1993 to initiate coordinations according to the provisions of Article 11 and Resolution 46, in order to implement prior to the year 2005 MSS networks (including those providing the satellite component of FPLMTS) in the 1 980 - 2 010 and 2 170 - 2 200 MHz bands;

2. that WRC-95 should revise the above-mentioned provisions and adapt the result of their application in the meantime according to its other decisions concerning the mobile-satellite service;

instructs the Radiocommunication Bureau

to apply these provisions, in particular by adopting the appropriate Rules of Procedures and to provide the necessary assistance to administrations;

instructs the Secretary-General

to bring this Resolution to the attention of WRC-95.



GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Republic of India

PROPOSAL FOR THE WORK OF THE CONFERENCE

Introduction

1. The 47th session of the Council of the International Telecommunication Union, at its final meeting, established an agenda for WRC-93 via Resolution No. 1023. The Council instructed WRC-93 to consider and recommend the agenda for WRC-95 and the preliminary agenda for WRC-97.
2. Taking into consideration the agenda of WRC-93, as established by the Council and many other related issues which remain unresolved including spectrum allocation requirement for feeder links for MSS, the Indian Administration has reviewed the matters with a view to recommending certain priority items to be placed on the agenda for WRC-95 and preliminary agenda for WRC-97.
3. Rapid developments have taken place in the field of radiocommunication technology, especially since the last World Administrative Radiocommunication Conference, WARC-92. There had been studies in the Radiocommunication Study Groups as well as within the administrations on several matters including issues which remained unresolved during WARC-92. The Voluntary Group of Experts (the VGE) has also been carrying out extensive and exhaustive studies with the aim of simplification of the Radio Regulations. Based on these studies and depending on the urgency, priority and progress of the matter, the Indian Administration has developed Recommendation No. IND-1 and Recommendation No. IND-2 for establishing the agenda for WRC-95 and the preliminary agenda for WRC-97, respectively.
4. The Indian Administration attaches great significance and importance to the activities of the future World Radiocommunication Conferences in the context of restructuring of the International Telecommunication Union so as to respond effectively to the fast-changing telecommunication environment.

IND/25/1

RECOMMENDATION NO. IND-1

Agenda for the World Radiocommunication Conference, 1995

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that the Additional Plenipotentiary Conference, Geneva, 1992, resolved to convene a World Radiocommunication Conference in 1993, through Resolution 9, to make recommendations to the Council concerning the agenda for the World Radiocommunication Conference, 1995;
- b) that the Additional Plenipotentiary Conference, Geneva, 1992, instructed the Council to convene a World Radiocommunication Conference in the second half of 1995 through Resolution 8;
- c) the relevant provisions of the Constitution and the Convention of the Union (Geneva, 1992) concerning competence, periodicity and the agenda of World Radiocommunication Conferences;
- d) the relevant Resolutions and Recommendations of previous World Administrative Radio Conferences;

taking into account

the agenda for the World Radiocommunication Conference, Geneva, 1993, as adopted by the Members of the Union based on the decisions of the 47th session of the Council;

recommends

that the Council include the following items on the agenda for WRC-95:

- 1. consider and take action, as appropriate, on the Report and Recommendations of the VGE;
- 2. consider raising the allocation status to primary of the meteorological-satellite service and Earth exploration-satellite service in the bands 401 - 402 MHz and 402 - 403 MHz, as indicated in Resolution No. 710;
- 3. consider evolving suitable sharing criteria and procedures in the bands shared by the mobile-satellite service and fixed, mobile or other radiocommunication services;
- 4. consider the review of the allocation of frequencies to the fixed-satellite service in the band 13.75 - 14 GHz, as indicated in Resolution No. 112;
- 5. consider frequency allocations and regulatory aspects relating to the mobile-satellite service including frequency allocations for feeder links for the mobile-satellite service;
- 6. consider raising the allocation status to primary of the Earth exploration-satellite service in Regions 1 and 3 in the band 8 025 - 8 400 MHz;

7. consider matters of worldwide character resulting from the studies carried out by various Radiocommunication Study Groups and administrations in response to the Resolutions and Recommendations adopted at previous Conferences;
8. consequential changes in the Radio Regulations as necessitated by the decisions of the Conference;
9. consider the Report of the Director, Radiocommunication Bureau, on the activities of the Radiocommunication Sector since the last Conference;
10. consider items for inclusion in the agenda for the World Radiocommunication Conference, 1997;
11. consider items for inclusion in the preliminary agenda for the World Radiocommunication Conference, 1999;

requests the Director of the Radiocommunication Bureau

to organize, as a matter of urgency, necessary studies and to ensure availability of reports in advance of the Conference;

instructs the Secretary-General

1. to make all the necessary arrangements for convening the Conference;
2. to bring this Recommendation to the attention of the Council so that an agenda for WRC-95 can be established in good time.

IND/25/2

RECOMMENDATION NO. IND-2

**Preliminary Agenda for the World Radiocommunication
Conference, 1997**

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) that the Additional Plenipotentiary Conference, Geneva, 1992, resolved to convene a World Radiocommunication Conference in 1993, through Resolution 9 to make recommendations to the Council concerning the preliminary agenda for the World Radiocommunication Conference, 1997;
- b) the relevant provisions of the Constitution and the Convention of the Union (Geneva, 1992) concerning competency, periodicity and the agenda of World Radiocommunication Conferences;
- c) the relevant Resolutions and Recommendations of previous World Administrative Radio Conferences;

taking into account

the agenda for the World Radiocommunication Conference, Geneva, 1993, as adopted by the Members of the Union based on the decisions of the 47th session of the Council;

recommends

that the Council included the following items on the preliminary agenda for WRC-97:

- 1. consider appropriate frequency allocation for the operational use of wind profiler radars as indicated in Recommendation No. 621;
- 2. consider review of Article 27 with a view to introducing suitable limits on the characteristics of the mobile systems in order to facilitate sharing of the bands 2 025 - 2 110 MHz and 2 200 - 2 290 MHz between the mobile service and the space services as indicated in Resolution No. 211;
- 3. consider the review of coordination and notification procedures as related to non-geostationary-satellite networks as contained in Resolution No. 46;
- 4. consider the review of unresolved remaining issues concerning frequency allocations and regulatory aspects as related to the mobile-satellite service including frequency allocations for feeder links for the mobile-satellite service;
- 5. consider the review of levels of spurious emissions taking into account results of studies carried out in pursuance of Recommendation No. 66;
- 6. consider other issues relating to various Resolutions and Recommendations of the Radio Regulations;

7. consider items for inclusion in the agenda for the World Radiocommunication Conference, 1999;
8. consequential changes in the Radio Regulations as necessitated by the decisions of the Conference;
9. consider the Report of the Director, Radiocommunication Bureau, on the activities of the Radiocommunication Sector since the last Conference;
10. consider items for inclusion in the preliminary agenda for the World Radiocommunication Conference, 2001;

requests the Director of the Radiocommunication Bureau

to organize, as a matter of urgency, necessary studies, to report to WRC-95 on the progress of these studies and to ensure availability of reports in advance of the Conference.



PLENARY MEETING

Republic of Kenya

PROPOSAL FOR THE WORK OF THE CONFERENCE

1. Preamble

In pursuance to the decisions of the ITU Council which promulgated the agenda of the WRC-93 Conference, and further to the Secretary-General's letter ref: DM-1024/WRC-93 of 16 March 1993 inviting Members of the ITU to this Conference, Kenya wishes to submit to WRC-93 the following proposal for future WRCs.

2. Proposal

2.1 The ITU realizes the difficulties developing countries have in sending large delegations to the ITU meetings. This problem becomes more complex if the agenda for such meetings cover many fields of specialized services and consequently longer durations for the Conference.

KEN/26/1

Considering that WRCs will be frequent, it is recommended that the agenda for each Conference be limited, as far as possible, to the consideration of issues of one specialized radiocommunications service and related items. This will facilitate participation by developing countries which can send small delegations of experts in the identified services.

2.2 If this concept is acceptable it is proposed that the main agenda for future WRCs could be as follows:

WRC

Agenda

KEN/26/2

WRC-95

Report of Voluntary Group of Experts
Mobile-satellite services

KEN/26/3

WRC-97

Satellite communication services
(Other than mobile-satellite services)

KEN/26/4

WRC-99

Maritime radiocommunications services
including GMDS

3. Outstanding broadcasting issues

Planning conference for HF broadcasting could not take place as envisaged by HFBC-87. There are also a number of issues in the broadcasting service that require immediate consideration.

KEN/26/5

It is proposed that an extraordinary WRC be convened to deal with the various outstanding broadcasting issues in a generic manner. Such a WRC could be planned for 1996.

WRC-93 could make such a recommendation to the Kyoto Plenipotentiary Conference for consideration.



GENEVA, NOVEMBER 1993

PLENARY MEETINGNote by the Secretary-General

LOSS OF THE RIGHT TO VOTE

Under the Nairobi Convention, 1982, a Member loses its right to vote:

- a) For a non signatory Government, if it has not yet acceded to the Convention or, for a signatory Government, if it has not deposited an instrument of ratification at the end of a period of two years from the date of entry into force of the Convention;
- b) When it is in arrears in its payments to the Union for so long as the amount of its arrears equals or exceeds the amount of the contribution due from it for the preceding two years (see No. 117 of the Convention).

At present, for one or other of the above reasons and until such time as the situation is rectified, the following 24 Members do not have the right to vote:

Country (in French alphabetical order)	R = has not ratified (A = has not acceded to) the Convention	In arrears in the payment of contributions
ANTIGUA AND BARBUDA	-	x
BOLIVIA (Republic of)	-	x
CAMBODIA	A	x
COSTA RICA	R	x
DOMINICAN REPUBLIC	A	x
GRENADA	R	x

Country (in French alphabetical order)	R = has not ratified (A = has not acceded to) the Convention	In arrears in the payment of contributions
GUATEMALA (Republic of)	-	x
GUINEA-BISSAU (Republic of)	A	x
EQUATORIAL GUINEA (Republic of)	-	x
GUYANA	-	x
HAITI (Republic of)	-	x
IRAQ (Republic of)	-	x
LIBYA (Socialist People's Libyan Arab Jamahiriya)	-	x
MAURITANIA (Islamic Republic of)	-	x
NAURU (Republic of)	A	-
NICARAGUA	-	x
UGANDA (Republic of)	-	x
PERU	-	x
RWANDESE REPUBLIC	-	x
SAO TOME AND PRINCIPE (Democratic Republic of)	-	x
SIERRA LEONE	-	x
SOMALI DEMOCRATIC REPUBLIC	-	x
CHAD (Republic of)	-	x
VENEZUELA (Republic of)	-	x

Pekka TARJANNE
Secretary-General



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 28-E
11 November 1993
Original: English/
French/
Spanish

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit to the Conference the Report by the Voluntary Group of Experts to WRC-93.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

**Report to the WRC-93 by the Voluntary Group of Experts to study
allocation and improved use of the radio-frequency spectrum
and simplification of the Radio Regulations (VGE)**

1. Introduction

1.1 This brief report is submitted to the WRC-93 upon the assumption that in accordance with Resolution No. 8 of the Additional Plenipotentiary Conference, Geneva, 1992, the Council will programme a world radiocommunication conference in the second half of 1995 and will include in its agenda consideration of the Final Report of the VGE.

2. Background

2.1 The VGE was established in accordance with Resolution No. 8 of the Plenipotentiary Conference, Nice, 1989, with the following terms of reference:

- 1) "To review, in the light of technical developments, the definitions in Article 1 of the Radio Regulations and the structure and definitions of the relative status of allocations in Article 8 of the Radio Regulations with a view to improving the utilization of the radio-frequency spectrum, to increase the flexibility in order to give more sharing possibilities, and to consider alternatives in the manner in which spectrum is allocated."
- 2) "To review the regulatory provisions and procedures of the Radio Regulations with a view to developing Recommendations to simplify the Radio Regulations in general."

2.2 The VGE elected Mr. Krister Björnsjö (Sweden) as Chairman, decided to split its work into three tasks and appointed Rapporteurs as follows:

- Task 1 - Matters relating to the allocation of frequency bands
(Rapporteur - Mr. Ian Hutchings, New Zealand);
- Task 2 - Procedures for the use of frequency assignments
(Rapporteur - Mr. Michael Davies, United Kingdom);
- Task 3 - Operational and administrative matters
(Rapporteur - Mr. Richard Shrum, United States).

2.3 The VGE held six formal meetings attended by 35 administrations with observers from eight international organizations. In addition there have been numerous meetings of the Steering Group¹ and of various drafting groups. Approximately 200 documents have been considered and an enormous amount of work has been devoted by all engaged in the VGE in an attempt to serve the ITU in completing this great project.

¹ The Chairman, the Secretary (Mr. Alexander Zoudov), the three Rapporteurs and the co-opted member, Mr. Abderrazak Berrada.

3. The Final Report of the VGE

The Final Report of the VGE will be completed by March 1994 for consideration by the Council, by Members of the ITU and by the WRC-95. It will comprise an introductory text containing the Basic Recommendations of the VGE and individual sets of VGE Recommendations relating to each of the three Tasks listed above and reports on the three Tasks. The Final Report will also contain:

- a working document showing the relationships between the recommended texts and the present Radio Regulations in terms of modifications, deletions, re-arrangements and transfers, recommendations for future action, and
- texts recommended in substitution for the present body of Radio Regulations.

4. The foreseen tasks of the WRC-95

4.1 It is foreseen that the WRC-95 will need first to consider the recommendations of the VGE including those relating to long-term on-going action by future WRCs, and then to consider the draft texts submitted. Based upon experience of recent WARC's, the WRC-93 will therefore need to make a careful assessment of the time that the WRC-95 will need to consider recommended simplification of some 2 000 pages of Volumes 1 and 2 of the Radio Regulations so that it may be able to offer an expert opinion to the Council on the required duration of the WRC-95. The WRC-93 is recommended, when adopting its recommendations to the Council on the agenda for the WRC-95 in application of No. 126 of the Convention, to include advice on the necessary duration of the WRC-95.

4.2 Following the precedents of the "Re-arrangement of the Radio Regulations" submitted to the WARC-79 and the Report of the High Level Committee submitted to the APP-92, in order to simplify the work of the WRC-95, it is recommended that administrations when preparing and submitting their proposals to the WRC-95 relating to the simplification of the Radio Regulations should as far as practicable base them upon the recommended texts in the Final Report of the VGE.

KRISTER BJÖRNSJÖ
Chairman of the VGE



PLENARY MEETING

Note by the Secretary-General

The Director of the Radiocommunication Bureau, in accordance with CV164, is coordinating the preparatory work of the study groups and the Bureau for the radiocommunication conferences. The agenda of WRC-93 does not refer to a report of the Director on this preparatory work as no decisions will be taken at this Conference which relate to a modification of the Radio Regulations.

Consequently, preparatory work within the Radiocommunication Bureau for this Conference was limited to the consideration of all Resolutions and Recommendations in the Radio Regulations which refer either to a "competent conference" or to action to be undertaken either by the former IFRB or CCIR. The texts referring to a competent conference are listed in Document 3. The texts which required action or studies by the IFRB and/or the CCIR are listed in Document 6, together with a short indication on the action taken and/or the status of studies.

A consolidated report from the Director of the BR on all activities of the Bureau was submitted to the Radiocommunication Assembly (Document RA93/PLEN/1). More specifically, with respect to the application of the provisions of Resolution 46, attention is drawn to IFRB Circular-letter No. 921 of 11 December 1992 with the Board's interpretation of that Resolution. Both texts can be provided upon request.

The Director of the Radiocommunication Bureau will organize substantial preparation on specific subjects once the present Conference has decided on what to propose to the Council for the 1995 and 1997 WRCs respectively.

Pekka TARJANNE
Secretary-General



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Corrigendum 2 to
Document 30(Rev.1)-E
17 November 1993
Original: English/
French/
Spanish

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING/
SEANCE PLENIERE/
SESION PLENARIA

PROPOSAL FOR THE WORK OF THE CONFERENCE
PROPOSITION POUR LES TRAVAUX DE LA CONFERENCE
PROPUESTA PARA LOS TRABAJOS DE LA CONFERENCIA

Add "Slovakia" and "Estonia" in the list of countries cosponsoring this Document.

Ajouter "Slovaquie" et "Estonie" dans la liste des pays cosignataires de ce Document.

Añádase "Eslovaquia" y "Estonia" en la lista de los países cofirmadores de este Documento.



GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING/
SEANCE PLENIERE/
SESION PLENARIA

PROPOSITION POUR LES TRAVAUX DE LA CONFERENCE
PROPOSAL FOR THE WORK OF THE CONFERENCE
PROPUESTA PARA LOS TRABAJOS DE LA CONFERENCIA

Add "Latvia" in the list of countries cosponsoring this Document.

Ajouter "Lettonie" dans la liste des pays cosignataires de ce Document.

Añádase "Letonia" en la lista de los países cofirmadores de este Documento.



PLENARY MEETING

EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE

Submitted by the following Administrations:

Belgium, Czech Republic, Denmark, France, Greece, Hungary, Iceland, Monaco, Netherlands,
Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey

Review of Appendices 30 and 30A

1. Introduction

The European Common Proposal (Document 11) includes reference to the broadcasting-satellite service at 11.7 GHz to 12.5 GHz as a matter which will need to be considered in the next few years. Further consideration has been given to this matter taking account of developments in technology and the need for Direct Television to Home (DTH). Consideration has also been given to contributions from other countries. It has also been noted that any changes to the use of this band in Regions 1 and 3 should have minimal impact on the use of the band in Region 2. Studies of the way in which the band is used, taking account of current needs, may result in a conclusion that it might not be necessary to revise the Plans but rather to adopt alternative procedures.

2. Proposal

As a consequence of this further consideration, the following agenda items are proposed:

WRC-95 Agenda

EUR/30/1

To give initial consideration to proposals and views on the options to improve the effectiveness and efficiency of Appendices 30 and 30A of the Radio Regulations for Regions 1 and 3, with a view to WRC-97 undertaking further action.

WRC-97 Provisional Agenda

EUR/30/2

To review and revise as necessary Appendices 30 and 30A for Regions 1 and 3.



PLENARY MEETING

EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE

Submitted by the following Administrations:

Czech Republic, Denmark, France, Greece, Hungary, Iceland, Monaco, Netherlands, Norway,
Poland, Portugal, Spain, Sweden, Switzerland, Turkey

Review of Appendices 30 and 30A

1. Introduction

The European Common Proposal (Document 11) includes reference to the broadcasting-satellite service at 11.7 GHz to 12.5 GHz as a matter which will need to be considered in the next few years. Further consideration has been given to this matter taking account of developments in technology and the need for Direct Television to Home (DTH). Consideration has also been given to contributions from other countries. It has also been noted that any changes to the use of this band in Regions 1 and 3 should have minimal impact on the use of the band in Region 2. Studies of the way in which the band is used, taking account of current needs, may result in a conclusion that it might not be necessary to revise the Plans but rather to adopt alternative procedures.

2. Proposal

As a consequence of this further consideration, the following agenda items are proposed:

WRC-95 Agenda

EUR/30/1

To give initial consideration to proposals and views on the options to improve the effectiveness and efficiency of Appendices 30 and 30A of the Radio Regulations for Regions 1 and 3, with a view to WRC-97 undertaking further action.

WRC-97 Provisional Agenda

EUR/30/2

To review and revise as necessary Appendices 30 and 30A for Regions 1 and 3.



CMR-93

CONFERENCE MONDIALE DES
RADIOCOMMUNICATIONS

Corrigendum 3 au
Document 31-F/E/S
16 novembre 1993
Original: français/
anglais/
espagnol

GENEVE, 15-19 NOVEMBRE 1993

SEANCE PLENIERE
PLENARY MEETING
SESION PLENARIA

PROPOSITION POUR LES TRAVAUX DE LA CONFERENCE
PROPOSAL FOR THE WORK OF THE CONFERENCE
PROPUESTA PARA LOS TRABAJOS DE LA CONFERENCIA

Ajouter "Grèce" dans la liste des pays cosignataires de ce Document.

Add "Greece" in the list of countries cosponsoring this Document.

Añádase "Grecia" en la lista de los países cofirmadores de este Documento.



UNION INTERNATIONALE DES TELECOMMUNICATIONS

CMR-93

CONFERENCE MONDIALE DES
RADIOCOMMUNICATIONS

Corrigendum 2 au
Document 31-F/E/S
15 novembre 1993
Original: français/
 anglais/
 espagnol

GENEVE, 15-19 NOVEMBRE 1993

SEANCE PLENIERE
PLENARY MEETING
SESION PLENARIA

PROPOSITION POUR LES TRAVAUX DE LA CONFERENCE
PROPOSAL FOR THE WORK OF THE CONFERENCE
PROPUESTA PARA LOS TRABAJOS DE LA CONFERENCIA

Ajouter "Vatican" dans la liste des pays cosignataires de ce Document.

Add "Vatican" in the list of countries cosponsoring this Document.

Añádase "Vaticano" en la lista de los países cofirmadores de este Documento.



UNION INTERNATIONALE DES TELECOMMUNICATIONS

CMR-93

CONFERENCE MONDIALE DES
RADIOCOMMUNICATIONS

Corrigendum 1 au
Document 31-F/E/S
15 novembre 1993
Original: français/
anglais/
espagnol

GENEVE, 15-19 NOVEMBRE 1993

SEANCE PLENIERE
PLENARY MEETING
SESION PLENARIA

PROPOSITION POUR LES TRAVAUX DE LA CONFERENCE
PROPOSAL FOR THE WORK OF THE CONFERENCE
PROPUESTA PARA LOS TRABAJOS DE LA CONFERENCIA

Ajouter "Allemagne" dans la liste des pays cosignataires de ce Document.

Add "Germany" in the list of countries cosponsoring this Document.

Añádase "Alemania" en la lista de los países cofirmadores de este Documento.



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 31-E
15 November 1993
Original: English/
French

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Italy, Monaco, Netherlands, Norway, Turkey

PROPOSAL FOR THE WORK OF THE CONFERENCE

Proposal for a Resolution on the HF broadcasting bands

This contribution contains a draft WRC-93 Resolution aimed at addressing, at the most appropriate time, the issue of the broadcasting services in the HF bands.

Annex: 1

ANNEX

I/MCO/
NOR/HOL/
TUR/31/1

WRC DRAFT RESOLUTION ON THE USE OF THE
NEW HF BROADCASTING BANDS

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) that, the World Administrative Radio Conference, Geneva, 1979 (WARC-79), allocated new HF bands to the broadcasting service, subject to the following conditions:
- the effective date was 1 July 1989 for bands above 10 MHz and 1 July 1994 for bands below 10 MHz;
 - the use of the 1979 allocations by the broadcasting service was made subject to provisions established by a future WARC for the planning of HF bands allocated to the broadcasting service;
- b) that the spectrum above 10 MHz allocated to the broadcasting service in 1979 has not yet been available for use by any radiocommunication service, and the same would be true for the spectrum below 10 MHz beginning in 1994;
- c) that the efforts to develop a HFBC planning system have failed up to now;
- d) that the IFRB, in its Report to WARC-92 stressed the difficulties encountered by administrations and the IFRB in implementing the improved HFBC planning system and showed that the requirements far outnumbered the channels currently available;
- e) that congestion in the HF broadcasting bands continues to increase and that this situation may be improved by the use of new bands;

decides

1. that WRC-95 should give initial consideration to the availability of the new allocated bands;
 2. that the preliminary agenda for WRC-97 should include an item addressing the use of the new bands.
-



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 32-E
15 November 1993
Original: English

PLENARY MEETING

Japan

PROPOSAL FOR THE WORK OF THE CONFERENCE

REVIEW OF CERTAIN RESOLUTIONS AND RECOMMENDATIONS
OF THE RADIO REGULATIONS

Document 6 gives a review by the Radiocommunication Bureau of the relevant Resolutions and Recommendations of World Administrative Radio Conferences still in force and included in the Radio Regulations. Forty-eight texts (28 Resolutions and 20 Recommendations) are designated as "S" (suppressed).

J/32/1

This document has reviewed these 48 texts (see Note) and proposes that this Conference takes action as described in Parts 1 and 2.

Note - Resolution No. 93 (WARC-92) is added to the list of deletion.

PART 1 LIST OF RESOLUTIONS

No.	Subject	Action	Comment
7	National Radio Freq. Management	SUP	meetings organized, booklet published
19	Regional adm. conferences	SUP	Doc.44 submitted to PP89, conclusive action taken by APP92
35	Disagreement on ROP	SUP	obsolete in view of CV168-170
37	Assistance in Freq. Man.	SUP	implemented
38	Reassignment 1600-2000 kHz	SUP*	implemented; consequential action: SUP RR486, MOD RR487, MOD RR492
39	Int. Monit. system ad-hoc	SUP	implemented
60	Review of AP28	SUP	ITU-R Rec.IS.847 adopted Res. No.712(WARC-92) deals with the future action
61	World Climatic Zones	SUP	studies completed
63	Interference from ISM	SUP	draft Rec. prepared by TG 1/2.
93	Review of Resolutions and Recommendations	SUP	implemented
104	Extension of dates(RR1550)	SUP	implemented
106	Provisional application of AP30A	SUP	obsolete, implemented
107	Existing networks AP30B	SUP	obsolete, implemented
109	AP30A in MIFR	SUP	obsolete
208	Extension of MOB/MSS in 1.5 GHz	SUP	obsolete
315	Abolition of mobile-station charges	SUP	obsolete
323	Use of 156.525 MHz	SUP	obsolete
326	Update of AP25	SUP	implemented
327	Paired NBDP/data transmission	SUP	implemented
328	Transfer of HF assignments to coast stations	SUP	implemented
335	Non-paired ship station freq. for NBDP	SUP*	resolves 2 implemented resolves 1 to be incorporated in RR
336	DSC on maritime HF	SUP	obsolete

* under condition of modifying RR.

No.	Subject	Action	Comment
403	MOB AERO (R)+(OR) on 3023/5680 kHz	SUP	obsolete
409	Public correspondance in AERO MOB	SUP	implemented
410	Development of AP26 (WARC-92)	SUP	implemented
505	BC-SAT in 0.5-2 GHz	SUP	resolves 1-3 implemented resolves 4 included in Res. 522 and 528
508	WARC for HFBC	SUP	obsolete (HFBC-84/87)
515	Application of consultation Procedure	SUP	implemented
704	Planning for MF MOB MAR/RNAV in Region 1	SUP	implemented

PART 2 LIST OF RECOMMENDATIONS

No.	Subject	Action	Comment
6	Assistance to developing countries	SUP	covered by CV166 and CV225
15	Review of RR Article 14	SUP	implemented VGE considering the matter
31	Handbook on Frequency Management	SUP	implemented
60	Technical standards of IFRB	SUP	implemented
100	Bands for troposcatter	MOD	ITU-R Rec.F.698 adopted see Annex 1 for modifications
302	Improved use of HF in MOB MAR	SUP	can be suppressed after SUP Res. 337 by WARC-92
312	Interconnection of MOB MAR with Telecom. Networks	SUP	can be suppressed after SUP Res.337 by WARC-92
403	Congestion in HF AERO (R) bands	SUP	obsolete
405	Utilization of AERO (R) bands	SUP	obsolete
406	Revision of AP26	SUP	obsolete
502	Low-cost TV receivers	SUP	obsolete
508	BSS transmitting antennae	SUP	included in Res. 524
509	Experts in HFBC	SUP	obsolete

No.	Subject	Action	Comment
510	Planning parameters for HFBC	NOC	Parameters are still being applied
512	Propagation prediction method for HFBC	SUP	applied
515	DSB/SSB in HFBC	SUP	obsolete
516	Synchronized TX in HFBC	SUP	applied, see ITU-R Rec. BS.702
704	Sharing BS/RNAV at 108 MHz	SUP	ITU-R Rec. (Doc.12/1005) adopted by RA-93
712	Design characteristics for BSS	SUP	completed by SG 11
714	Compatibility AERO(R)118-137 MHz and BS 87.5-108 MHz	SUP	ITU-R Rec. (Doc.12/1005) adopted by RA-93

J/32/2

ANNEX

Modifications to Recommendation No. 100

1. Replace **considerings** by the following:
 - a) that the technical and operational difficulties in the bands shared by tropospheric scatter systems, space systems and other terrestrial systems;
 - b) that WARC-79 and WARC-92 made additional allocation of frequency bands for the space services in view of their increasing development;
 - c) (same as d), but "IFRB" should read "Radiocommunication Bureau" or "Radio Regulations Board").
 2. Delete **recommends that the CCIR**.
 3. Delete **recommends that administrations 1** and renumber the rest.
-



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Corrigendum 1 to
Document 33-E
15 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

United States of America

PROPOSAL FOR THE WORK OF THE CONFERENCE

In the English version replace, in **considers in particular**, § c), third line, "places" with "place".

In the English, French and Spanish versions, last paragraph, **instructs the Secretary-General**, last line, replace "1997" with "1995".



PLENARY MEETING

United States of America

PROPOSAL FOR THE WORK OF THE CONFERENCE

USA/33/1

RESOLUTION NO. USA-3

**Relating to the Bringing into Use of Mobile-Satellite Systems Near 2 GHz for
Which No Allocation for the Mobile-Satellite Service is as Yet in Force**

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) that the present Conference does not have treaty-writing powers;
- b) that the duly established agenda for the present Conference is concerned solely with agenda setting;
- c) that administrations preparing for the present Conference focused upon the agenda as the authentic guide for those preparations;
- d) that at the present one-week Conference time is short;

considers in particular

- a) that the World Administrative Radio Conference for Dealing with Frequency Allocations in Certain Parts of the Spectrum (Malaga-Torremolinos, 1992) provided allocations of the primary category for the mobile-satellite service in the bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz;
- b) that, pursuant to Footnote 746B the WARC-92 also determined that neither allocation will become available in most parts of the world until 1 January 2005;
- c) that 2005 was arrived at by consensus noting the view expressed by numerous administrations that many areas of the world have well-developed terrestrial networks in places which could be affected;
- d) that any adjustment to the availability of this allocation is a matter for a subsequent world radiocommunication conference established as competent to address allocation matters;

noting

- a) that a few administrations represented at this Conference have inquired as to how coordination of distant mobile-satellite service networks might be commenced;

- b) that one international organization, through its notifying administration, has already commenced formal coordination under Resolution 46 of three non-geostationary networks, each occupying these two bands fully;
- c) that these three coordination requests were published by the Radiocommunication Bureau on 27 April 1993 in keeping with Resolution 46 and Rule of Procedure H52(Rev.1);
- d) that, pursuant to Resolution 46, an expiry date for the receipt of comments was published by the Radiocommunication Bureau in each of these three cases;
- e) that, by virtue of the Radiocommunication Bureau having established an expiry date for comments, coordination has begun; but

recognizing

- a) that attention has been drawn to these three networks having been published for coordination with an unfavourable finding;
- b) that, pursuant to Rule of Procedure H52(Rev.1), proposed assignments will receive a qualified favourable finding only if the allocation is not in force but will come into force before the planned date of putting the assignment into service;
- c) that a favourable finding cannot exist without a supportive allocation;

is of the opinion

that this is an allocation matter, as concerns the date for entry into force of the relevant mobile-satellite service allocations made by WARC-92; and

is of the further opinion

- a) that such matters can be treated only by a world radiocommunication conference competent to address the allocations in question;
- b) that coordination undertaken following WARC-92 could be the basis for a favourable finding if and when a competent world radiocommunication conference adopts a date for entry into force of the relevant allocations that occurs before the planned date of putting the proposed assignments into service;

resolves to invite the Council

at its 1994 session to review this matter with a view to considering whether it is in keeping with the wishes of a majority of the Members of Union to treat this allocations matter at the WRC-95; and

instructs the Secretary-General

to bring this Resolution to the attention of the Council to consider including the matters addressed above in the agenda of a world radiocommunication conference to be held preferably not later than the year 1997.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 34-E
15 November 1993

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit to the Conference the annexed text for information.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

Address by the Secretary-General

Ladies and Gentlemen,
Dear friends,

On behalf of the whole of the ITU headquarters, it is an honour and a pleasure to welcome you to the opening of the first ever ITU Radiocommunication Assembly. First ever, because the telecommunication environment is changing and we must change with it.

Today, it seems that entrepreneurs, financial institutions, seminars and daily newspapers around the world are tuned to the explosion of new technologies and new opportunities that is taking place in telecommunications. Much of this attention is focused on radiocommunication, which somewhat ironically is being renamed as "wireless-communication" on what is actually the eve of the 100th anniversary of wireless. The highlights of this rediscovery are GEOs, LEOs, MEOs, HEOs and mega-LEOs, etc., for mobile communication: today's "cellular" telecommunication systems, tomorrow's future public land mobile telecommunication systems (FPLMTS), and an interim assortment of personal communication systems.

The excitement surrounding radiocommunications today is not just technological hype. New satellite networks are being proposed at twice the rate of two or three years ago. VSATs already number more than a hundred thousand. Digital audio broadcasting and high-definition television are not far over the horizon, to say nothing of 8-to-1 digital compressed channelling of conventional television. Digital microwave radio and satellite links are becoming fully compatible with ISDNs, and radio systems are becoming increasingly important to commerce, just as global satellites are for positioning, navigation and meteorological observations. The ITU can certainly take at least some credit for the recent acceleration of the development of radiocommunications, for which the frequency allocations of last year's WARC at Malaga-Torremolinos were largely responsible.

All of you probably know - and the Chairman referred to it, but I'm proud to reiterate once more - that, in order to serve the interests of the global telecommunications community in this new environment, a new ITU structure was inaugurated on 1 March of this year. As a result of the Additional Plenipotentiary Conference held in December last year in this very hall, the activities of the ITU have been reorganized and revitalized so that the Union will be better positioned to serve the needs of its constituency. The new organization will carry this old Union, founded 128 years ago, forward into the twenty-first century!

It is certainly the case that, by bringing together CCIR activities aimed at supporting technical bases for radio regulation and IFRB responsibilities for applying these regulations, the new Radiocommunication Sector is an integral element of our broader strategy for improving the efficiency and effectiveness of the ITU's service to its Members and other clients.

Besides combining the former IFRB and CCIR Secretariats, the new Radiocommunication Bureau, under the leadership of Mr. Kirby, includes former General Secretariat groups providing maritime mobile information services and dealing with administrative aspects of Radio Regulations. The new family has established priority objectives in a strategic planning document, and is now considering ways and means of implementing them.

Under the new set-up, the former IFRB members serve as the new Radio Regulations Board during the transitional period until a new Board is elected by the next Plenipotentiary Conference in Kyoto, in September-October of next year. Three Board meetings have been held; they are editing and consolidating the rules of procedure for the Bureau's application of the Radio Regulations. In addition to this, Board members have carried out some other important tasks for the ITU, and it goes without saying that their cooperation with the Bureau has been invaluable.

As we have moved to implement the "new ITU", there has been a smooth transition of reallocation of technical questions thanks to cooperation between the Telecommunication Standardization Sector and the Radiocommunication Sector, and arrangements have already been made for continued coordination.

The structural changes made by the APP position the ITU to remain important in international telecommunications for the rest of this decade, if not into the next century. But this will only happen if we put these arrangements to work in the true spirit of reform in which they were born. Evidence of a real willingness to change the way we do business is of prime importance to all of the ITU's activities.

As well as restructuring the organization, the Additional Plenipotentiary Conference made strategic planning a key feature of the "new ITU". I am happy to report that our initial efforts to introduce strategic planning seem to be going well. We have a Strategic Planning Unit in place to assist me and my colleagues on the Coordination Committee in carrying out our strategic planning and management responsibilities under the new Constitution and Convention. Preparation of a strategic plan for the years 1994-1998 is advancing well, under the guidance of a Council Working Group. This plan will be considered by the Council at its May 1994 session and then submitted to the Kyoto Plenipotentiary Conference for approval; this will be one of the Conference's central issues.

This overall plan will include strategic work plans and priorities for each of the new ITU Sectors and, here again, we seem to be making good progress.

The decisions of the first World Telecommunication Standardization Conference, which was held in Helsinki in March 1993, and the advice of the Telecommunication Standardization Advisory Group, have given clear direction to the strategic planning process in the Standardization Sector.

I am confident that the results of this Assembly, next week's first World Radiocommunication Conference, and the advice of the soon-to-be-established Radiocommunication Advisory Group will provide equally valuable guidance to strategic planning in the Radiocommunication Sector.

I trust that we will also see good results for strategic planning in the Development Sector from the first World Telecommunication Development Conference which will take place in Buenos Aires next March, as well as from the advice of the Telecommunication Development Advisory Board, which is already active and will hold its second meeting in two weeks' time.

What, then, are some of the specific challenges facing the Radiocommunication Sector? I would like to mention four which I hope will capture at least some of your attention this week in the Radio Assembly and next week in the first World Radiocommunication Conference.

First, the Plenipotentiary Conference clearly intended that the development and application of the Radio Regulations and Recommendations should be speeded up, to facilitate the development of new radio services, while continuing to assure equitable access and compatibility in the use of the radio-frequency spectrum. New services and investments are proliferating over a much shorter time period than in previous radio history. National and international coordination and regulatory frameworks are being challenged. Innovative approaches are being adopted for national frequency management and linked to the economic value of the spectrum. It is the responsibility of the membership of the Radiocommunication Sector to respond to the need for global leadership which the ITU is expected to provide. I shall not go into any details concerning the economic value of the spectrum; I am not going to talk about auctions and lotteries, or suggest that this week's Assembly or next week's Conference will try to change the ITU into a really strong worldwide regulatory body taking care of everything that the national frequency regulators should take care of. But these are issues of transition, and they should be taken seriously, and will become issues for ITU official conferences, not only corridor discussions, in the years to come.

The second challenge comes from the fact that some articles have recently appeared in the press about "chaos in the geostationary-satellite orbit" and "orbital piracy". While these are catchy phrases, I'm convinced that the problem has been overstated. The ITU coordination process is still being respected. There are no reported significant cases of interference among satellite networks. A new entrepreneurial spirit is evident. However, growing congestion is certainly seen on paper, in terms of the number of notifications of proposed new satellite networks for the process of coordination in advance of recognition; in certain geographical areas, it is unlikely that all proposed networks can be successfully coordinated, and some, for various reasons, may not be launched. Although the Voluntary Group of Experts has suggested no substantial changes in provisions to coordinate space networks, it has acknowledged the need to speed up the process in its recommendations to simplify Radio Regulations - something which will be widely discussed at the 1995 Conference at least, and possibly before and afterwards also.

Third, there are new challenges to aid the implementation of new space services for which WARC-92 set new frequency allocations. The Conference provided interim procedures for the coordination of non-geostationary satellite networks. It asked the Study Groups to develop Recommendations on coordination methods and frequency-sharing criteria. It also saw the need for standards governing the operation of low-orbit satellite systems, as well as standards concerning conditions of access and protection of existing network services. All these questions reflect the complexity of the new environment, and they are central to the future of global non-geostationary mobile-satellite services. Practical results will clearly be needed for WRC-95.

Fourth, the new Convention assigns greater responsibilities to Study Groups for conference preparation, on technical as well as procedural matters. This offers a vehicle and a challenge to Members to pave the way for consensus before the conference opens. Many have asked why we should have weeks of midnight marathons and unfinished business. Conference participants ought to be participants in conference preparation in the new framework. So it is up to you; a plan for effective conference preparation is a key objective for this Assembly.

I wish you good luck and success in your work.



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 35-E/F/S

15 November 1993

Original: English/
French/
Spanish

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING /
SEANCE PLENIERE /
SESION PLENARIA

Note by the Secretary-General / Note du Secrétaire général / Nota del Secretario General

ALLOCATION OF DOCUMENTS / ATTRIBUTION DES DOCUMENTS /
ATRIBUCION DE LOS DOCUMENTOS

(as adopted at the first Plenary Meeting)
(telle qu'adoptée à la première Séance plénière)
(tal como fue adoptada en la primera Sesión Plenaria)

- | | | |
|------|--------------------------|--|
| PL - | <u>Plenary Meeting</u> : | 1(Rev.1),4(Rev.1),5(Rev.1),9,14,15,16,17,19,24,27,28,29, |
| | Séance plénière: | 33+(Corr.1),34 |
| | Sesión plenaria: | |
| | | |
| C2 - | <u>Credentials</u> : | 2 |
| | Pouvoirs: | |
| | Credenciales: | |
| | | |
| C3 - | <u>Budget Control</u> : | 12,13,14,18 |
| | Contrôle budgétaire: | |
| | Control del presupuesto: | |
| | | |
| C4 - | <u>Agendas</u> : | 3,6,7,8,9,10,11,17,19,20,21,22,23,25,26,30,31+(Corr.1) |
| | Ordres du jour: | 32 |
| | Ordenes del día: | |

Pekka TARJANNE
Secretary-General



Note by the Secretary-General

SECRETARIAT OF THE CONFERENCE

Secretary of the Conference:

Mr. P. Tarjanne,
Secretary-General

Executive Secretary:

Mr. X. Escofet

Administrative Secretary:

Mr. J. Escudero

Plenary Meeting and Steering Committee:

Mr. K. Olms

Committee 2 (Credentials):

Mr. X. Escofet

Committee 3 (Budget Control):

Mr. A. Tazi Riffi

Committee 4 (Agenda):

Mr. G. Kovacs

Committee 5 (Editorial):

Mr. B. Vérove

Pekka TARJANNE
Secretary-General



GENEVA, 15-19 NOVEMBER 1993

Note by the Secretary-General

STRUCTURE OF THE
WORLD RADIOCOMMUNICATION CONFERENCE (WRC-93)
Geneva, 1993

(as adopted by the first Plenary Meeting)

The agenda of the Conference appears in Resolution 1032 which was adopted by the Council at the final meeting (20 December 1992) of its 47th session.

Bearing in mind Nos. 356 to 367 inclusive of the Convention of the International Telecommunication Union, Geneva, 1992, the following Committees with their terms of reference are suggested. These terms of reference have been drawn up within the framework of the Constitution and Convention, the Conference agenda and in the light of experience at previous conferences.

Committee 1 - Steering Committee

Terms of reference:

To coordinate all matters connected with the smooth execution of work and to plan the order and number of meetings, avoiding overlapping wherever possible in view of the limited number of members of some delegations (No. 360 of the Convention, Geneva, 1992).

Committee 2 - Credentials Committee

Terms of reference:

To verify the credentials of delegations and to report on its conclusions to the Plenary Meeting within the time specified by the latter (No. 361 of the Convention, Geneva, 1992).

Committee 3 - Budget Control Committee

Terms of reference:

To determine the organization and the facilities available to the delegates, to examine and approve the accounts for expenditure incurred throughout the duration of the Conference, and to report to the Plenary Meeting the estimated total expenditure of the Conference, as well as an estimate of the costs that may be entailed by the execution of the decisions taken by such a conference (Nos. 364 to 366 of the Convention, Geneva, 1992).

Committee 4 - Agenda Committee

Terms of reference:

On the basis of proposals from administrations:

1. To make recommendations to the Council for the agenda for the 1995 WRC, by including:
 - 1.1 the review of the Radio Regulations based on the report of the "Voluntary Group of Experts to Study the Allocation and Improved Use of the Radio-Frequency Spectrum and the Simplification of the Radio Regulations", and
 - 1.2 any guidance on facilitating the use of frequency bands allocated to the mobile-satellite service.
2. To make recommendations for the preliminary agenda of the 1997 WRC.

Committee 5 - Editorial Committee

Terms of reference:

To perfect the form of the texts to be included in the Final Acts of the Conference without altering the sense, for submission to the Plenary Meeting (Nos. 362 and 363 of the Convention, Geneva, 1992).

Pekka TARJANNE
Secretary-General



GENEVA, 15-19 NOVEMBER 1993

CHAIRMANSHIP OF THE CONFERENCE

(as established by the First Plenary Meeting)

Chairman of the Conference : Mr. V.V. TIMOFEEV (Russian Federation)

Vice-Chairmen of the Conference : Mr. R. BEAIRD (United States of America)
Mr. M.A. JOHNSON (United Kingdom of Great Britain
and Northern Ireland)
Cheikh T. DIONGUE (Republic of Senegal)
Mr. Z. WANG (People's Republic of China)
Mr. M.J. MULLA (Kingdom of Saudi Arabia)

Committee 1
(Steering) : (composed of the Chairman and Vice-Chairmen of the
Conference and of the Chairmen and Vice-Chairmen of
the other Committees)

Committee 2
(Credentials) : Chairman : Mr. B. AGNAN (Republic of Benin)
Vice-Chairman : Mr. M. TAKAHASHI (Japan)

Committee 3
(Budget Control) : Chairman : Mr. G. KITHINJI (Republic of Kenya)
Vice-Chairman : Mr. V. DEMIREV (Republic of Bulgaria)

Committee 4
(Agenda) : Chairman : Mr. S. PINHEIRO (Federative Republic
of Brazil)
Vice-Chairman : Mr. R.N. AGARWAL (Republic of India)

Committee 5
(Editorial) : Chairman : Mrs. A.M. NEBES (France)
Vice-Chairmen : Mr. M. GODDARD (United Kingdom
of Great Britain and Northern Ireland)
Mr. V. RUBIO CARRETON (Spain)



UNION INTERNATIONALE DES TELECOMMUNICATIONS

CMR-93

CONFERENCE MONDIALE DES
RADIOCOMMUNICATIONS

Document 39-F/E/S

15 novembre 1993

Original: français

anglais

espagnol

GENEVE, 15-19 NOVEMBRE 1993

Document d'information / Information Document / Documento de Información

**CALENDRIER GENERAL DES TRAVAUX DE LA CONFERENCE
GENERAL SCHEDULE OF THE WORK OF THE CONFERENCE
PROGRAMA GENERAL DE TRABAJO DE LA CONFERENCIA**

(tel qu'il a été établi par la Commission de direction)

(as established by the Steering Committee)

(tal como fue establecido por la Comisión de Dirección)

Mardi/Tuesday/Martes (16/11)

Séances de Commission et/ou Groupes de travail

Committee and/or Working Group meetings

Sesiones de Comisión y/o Grupos de Trabajo

Mercredi/Wednesday/Miércoles (17/11)

(AM) Séance plénière

Plenary Meeting

Sesión Plenaria

(PM) Séance de Commission

Committee meeting

Sesión de Comisión

Jeudi/Thursday/Jueves (18/11)

(AM) Fin des travaux de Commission

End of Committee work

Fin de los trabajos de Comisión

(PM) Rapports des Commissions 2 et 3

Reports of Committees 2 and 3

Informes de las Comisiones 2 y 3

Première et deuxième lectures par la Plénière des derniers textes

First and second reading of last texts by Plenary

Primera y segunda lectura de los últimos textos por la Plenaria

.../...

Vendredi/Friday/Viernes (19/11)

Séance plénière (déclarations)
Plenary Meeting (declarations)
Sesión Plenaria (declaraciones)

Cérémonie de signature
Signing ceremony
Ceremonia de la firma

Séance de clôture
Closing
Clausura



NOTE BY THE CHAIRMAN OF COMMITTEE 3
TO THE CHAIRMAN OF COMMITTEE 4

Under its terms of reference, the Budget Control Committee is requested to present a report to the Plenary Meeting showing, as accurately as possible, the estimated total expenditure of the conference, as well as an estimate of the costs that may be entailed by the execution of the decisions taken by such conference in accordance with Article 32 of the Convention (Geneva, 1992).

To enable me to provide the plenary meeting with the necessary information, I should be grateful if you would supply me, as soon as possible but not later than Wednesday 17 November 1993, an estimate of the costs that may be entailed by the execution of the decisions taken by the World Radiocommunication Conference.

G. KITHINJI
Chairman, Committee 3



Mexico

PROPOSALS FOR THE WORK OF THE CONFERENCE

Introduction

1. The Mexican Administration is participating in the first World Radiocommunication Conference (WRC-93) with the firm intention that such decisions as are adopted should achieve two important goals in particular, namely:

- to enable the International Telecommunication Union (ITU) to advance towards the achievement of the objectives established at the APP-92;
- to meet the needs and expectations of all countries.

MEX/41/1

2. The importance of the results of WRC-93 resides in the fact that the Conference will define the course to be followed in the coming years for achieving better telecommunications development throughout the world. It will make for better preparation on the part of administrations and more detailed planning of their spectrum utilization policies. Accordingly, although the duration of WRCs should reflect the subjects for discussion, WRC-95 - which will be the first to deal with specific topics - should last four weeks.

MEX/41/2

3. As to the nature of the agendas adopted for WRC-95 and WRC-97, the agenda for WRC-97 should be somewhat flexible to enable matters arising out of WRC-95 to be included.

MEX/41/3

Subjects proposed for inclusion in the agenda of WRC-95

Frequency allocations and related provisions of the Radio Regulations concerning the fixed-satellite service, to facilitate the use of the fixed-satellite service for mobile-satellite service feeder links.

Resolution No. 112 on the Allocation of Frequencies to the Fixed-Satellite Service in the Band 13.75 - 14.0 GHz.

Evaluation of the spectrum requirements of the mobile-satellite services and related feeder links.

Recommendation of alternatives for the enhanced use of the bands allocated to the mobile-satellite service.

Consideration of the inclusion in the Radio Regulations of coordination and notification procedures for frequency assignments to non-geostationary-satellite networks, as stipulated in Resolution No. 46.

MEX/41/4 Subjects proposed for inclusion in the agenda for WRC-97

Deletion of the services allocated on a secondary and permitted basis in the bands 136 - 137 MHz, allocated on a primary basis to the aeronautical mobile (R) service, under Resolution No. 408.

Consideration of possible frequency allocations to wind profiler radars, under Recommendation No. 621.

Consideration of the introduction in Article 27 of limits on the characteristics of mobile systems to facilitate sharing between mobile services on the one hand, and space services on the other, in the bands 2 025 - 2 110 MHz and 2 200 - 2 290 MHz, as indicated in Resolution No. 211.

Recommendation No. 66 on Studies of the Maximum Permitted Levels of Spurious Emissions.

Frequency allocations and related provisions concerning the mobile-satellite services, including allocations to mobile-satellite service feeder links, having regard to the results of WRC-95.



WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

Document 42-E
16 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Note by the Secretary-General

TRANSFER OF POWERS

PRINCIPALITY OF LIECHTENSTEIN - CONFEDERATION OF SWITZERLAND

The Government of the Principality of Liechtenstein has informed me that it cannot send a delegation to the Conference.

In pursuance of 335 of the Geneva Convention (1992), it has given the delegation of the Confederation of Switzerland powers to represent it.

The instrument for the transfer of powers has been deposited with the Secretariat of the Credentials Committee. Committee 2 at its first meeting has examined this instrument and has found it to be in order.

Pekka TARJANNE
Secretary-General



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 43-E
16 November 1993
Original: English

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit, for information to the Conference, a letter from the Chairman of the Inter Union Commission on Frequency Allocations for Radio Astronomy and Space Science (IUCAF).

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

From: The Chairman of the Inter Union Commission on Frequency Allocations for Radio Astronomy
and Space Science (IUCAF)
To: The Secretary-General of the ITU

Dear Sir,

For the general information of the ITU, the participants of WRC-93 and their Administrations, I would like to transmit to you a copy of an Agreement reached recently between the GLONASS Administration and IUCAF. During a meeting in Moscow (2-4 November 1993) delegations of the GLONASS Administration and IUCAF have discussed the in-band and out-of-band emissions of the GLONASS and GLONASS-M systems within the band 1 610.6 - 1 613.8 MHz allocated to the Radio Astronomy Service. The present Agreement reflects the willingness of both parties to solve the interference problems and suggests specific solutions.

Sincerely yours,
B. J. Robinson

On behalf of IUCAF
Willem A. Baan

Attachment: 1

ATTACHMENT

AGREEMENT

between the GLONASS Administration and IUCAF
concerning frequency usage by GLONASS-M and the
Radio Astronomy Service

The delegation of the GLONASS Administration and the
delegation of the Inter-Union Commission on Frequency
Allocations for Radio Astronomy and Space Science (IUCAF),
meeting in Moscow on 2-4 November 1993,

Considering

- the conclusions of their meetings in Moscow in October 1991, June 1992 and November 1993;

- the results of the Joint GLONASS-Radio Astronomy Experiment in November 1992, and the technical evaluation of the experiment by Working Party 7D of the Radiocommunication Sector of the ITU in April 1993;

- the organizational and technical measures implemented by the GLONASS Administration in September 1993;

- the bilateral agreements reached in September 1993 between the administration of the Russian Federation and the administrations of Australia and Japan, and the summary record of the meeting in October 1993 between the administrations of the Russian Federation and the United States of America;

and noting

- the impact of the GLONASS-M satellite system on radio astronomical measurements in the bands 1610.6-1613.8 MHz and 1660-1670 MHz, and the continuing implementation of the GLONASS-M satellite system; and

- the technical difficulties in achieving electromagnetic

compatibility between the GLONASS-M system and the Radio Astronomy Service;

agree that:

1. the GLONASS Administration shall continue to exclude the main emission of the 1M2G7X class (GLONASS: narrow band) from the band 1610.6-1613.8 MHz, and from 1999 will exclude the main emission of 10M2G7X class (GLONASS-M: broad band);

2. during the period 1994-1998 filters will be installed on the newly developed GLONASS-M spacecraft to reduce the levels of out-of-band emissions in the frequency band 1660-1670 MHz below the levels specified in CCIR Report 224;

3. the GLONASS Administration undertakes to communicate to IUCAF any changes in the orbital parameters and frequencies of the GLONASS system, as soon as practicable, in order to assist in the planning of radio astronomy observations to avoid the interference caused by GLONASS;

4. IUCAF undertakes to communicate information on the GLONASS system to the radio astronomy community, to advise the radio astronomy community on optimal times to observe, and to coordinate further joint experiments as needed to evaluate the compatibility of the GLONASS system with the Radio Astronomy Service. The coordination will be done by the IUCAF coordinator at Arecibo Observatory in the first instance;

5. GLONASS Administration undertakes to investigate the optimal assignment of frequencies among the GLONASS-M satellites, within the constraints of existing technical limitations, so as to minimize the impact on the radio astronomical observations;

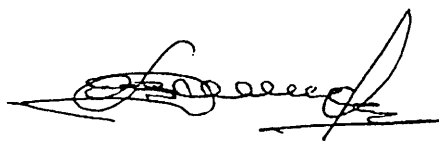
6. the GLONASS administration agrees to investigate the ways of reducing out-of-band emissions in the frequency band 1610.6-1613.8 MHz to the levels indicated in CCIR Report 224, and to communicate their proposed solution of this problem at a future meeting;

7. a solution of the interference problem caused by the main emission of class 10M2G7X and out-of-band emissions of GLONASS transmitters in the frequency band 1610.6-1613.8 MHz will be achieved only if the frequency plans of the GLONASS and GLONASS-M systems are modified. IUCAF agrees to assist in the coordination of the necessary changes with the interested administrations and with the ITU.

Both delegations believe that the implementation of the above agreements is a sufficient basis to achieve compatibility between the GLONASS system and the Radio Astronomy Service, and that coordination between GLONASS, GLONASS-M and the Radio Astronomy Service is possible. This information shall be communicated to the ITU and to interested administrations within one month.

The agreement is written in Russian and in English, and both versions have equal standing. The agreement will come into force at the moment of signing.

On behalf of the GLONASS
Administration



General Vladimir I. Durnev

Head of GLONASS delegation

On behalf of IUCAF



Dr. Willem A. Baan

Head of IUCAF delegation

Moscow, 4th November 1993.



WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

GENEVA, 15-19 NOVEMBER 1993

Document 44-E
16 November 1993
Original: English

PLENARY MEETING

Note by the Secretary-General

TRANSFER OF POWERS

ICELAND - NORWAY

The delegation of Iceland announced that it has to leave the Conference on 16 November 1993.

Pursuant of No. 336 of the Geneva Convention (1992), the delegation of Iceland has given to the delegation of Norway a mandate to exercise its vote at the present Conference.

Pekka TARJANNE
Secretary-General



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Addendum 2 to
Document 45-E
17 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

COMMITTEE 4

Working Group 4A

DRAFT AGENDA FOR WRC-95

In **resolves** add the following paragraphs:

- "5. in accordance with Article 7 of the Convention (Geneva 1992):
- 5.1 to consider the activities of the Radio Regulations Board, the Radiocommunication Bureau and certain activities of the Radiocommunication Assembly, and take appropriate action;
 - 5.2 to consider and approve the report of the Director of the Bureau on the activities of the Sector since the last conference;
 - 5.3 to recommend to the Council the agenda for the 1997 World Radiocommunication Conference, the provisional agenda for the 1999 Conference, and to give views on possible agenda items for future conferences;
 - 5.4 to identify those items requiring priority action by the Radiocommunication Study Groups;"
-



WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Addendum 1 to
Document 45-E
17 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

COMMITTEE 4

Working Group 4A

DRAFT AGENDA FOR WRC-95

In **resolves**, add the following two paragraphs:

"2.4 to consider raising the status of the allocation in No. 713 (RR) to the Earth exploration-satellite service in the band 13.4 - 13.75 GHz, with a view to the WRC-97 undertaking further action;

2.4bis to consider raising the status of the allocation to the Earth exploration-satellite service in the band 8 025 - 8 400 MHz in Regions 1 and 3, with a view to the WRC-97 undertaking further action;"



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 45-E
17 November 1993
Original: English

COMMITTEE 4

Working Group 4A

DRAFT AGENDA FOR WRC-95

The draft agenda for WRC-95 is submitted to Committee 4 for consideration.

Jan F. BROERE
Chairman of Working Group 4A

Annex: 1

ANNEX

Draft Resolution concerning the agenda for WRC-95

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) Resolutions Nos. 8 and 9 of the Additional Plenipotentiary Conference, Geneva, 1992;
- b) Article 13 of the Constitution (Geneva, 1992) regarding the competency and scheduling of world radiocommunication conferences and Article 7 of the Convention (Geneva, 1992) regarding their agendas; and
- c) the relevant Resolutions and Recommendations of previous World Administrative Radio Conferences;
- d) the recent technological advances in the field of broadcasting;

recognizing

- e) that the work of the VGE should be considered and implemented as quickly as possible, to ensure that future decisions of the Radiocommunication Sector are made within the framework of any new substance, structure or arrangement of the Radio Regulations;
- f) that activities related to the implementation of the decision of WARC-92 (Malaga-Torremolinos) concerning the mobile-satellite service indicate that some of those decisions may require further consideration;
- g)* that the provision of feeder links is an integral aspect of facilitating the use of the frequency bands allocated to the mobile-satellite service;

recognizing further

- h) that there is a limited number of other issues which can be treated at WRC-95 without affecting consideration of VGE and MSS issues;
- i) the need to maintain and protect other services to which the frequency bands to be considered by WRC-95 are also allocated;

resolves

to recommend to the Council that a world radiocommunication conference be held in Geneva in late 1995 for a period of four weeks, with the following agenda:

1. to review the Radio Regulations based on the report of the VGE, consider proposals from administrations, and take action as appropriate and to provide a timetable for the implementation of the VGE recommendations;
2. on the basis of proposals by administrations and the report from the Conference Preparatory Meeting:

* ARS reserves its rights to come back to this point in Committee 4.

2.1 with the view to facilitate the use of frequency bands allocated to the mobile-satellite services and with due regard to existing services to which the frequency spectrum to be considered by the Conference is also allocated:

- a) review the frequency bands allocated below 3 GHz to mobile-satellite services and the associated provisions including Resolutions and Recommendations;
- b) review the date of entry into force of allocations in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in Regions 1 and 3 and the bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz in Region 2;
- c) consider allocations and regulatory aspects for feeder links for the mobile-satellite services taking account of the interference that may be caused to satellite systems in the GSO;

2.2 to consider power limits relative to earth stations in the Earth exploration-satellite, space research, and [space operation] services in the band 2 025 - 2 110 MHz;

2.3 to review Resolution 112 in the light of the results of studies carried out in application of that Resolution.

3. to consider preparatory work to be carried out by the study groups and the Conference Preparatory Meetings of the Radiocommunication Sector relating to:

- a) Appendices 30 and 30A to the Radio Regulations for Regions 1 and 3;
- b) to consider Resolution 712 with the view to WRC-97 undertaking further actions;
- c) to consider the availability of the new allocated HFBC bands with a view to further consideration by WRC-97;
- [d) assess requirements for the MSS and associated feeder links, for consideration by the 1997 Conference and where necessary, adopt limited allocations;]

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

invites administrations

when preparing and submitting their proposals to the WRC-95 relating to the simplification of the Radio Regulations to as far as practicable base them upon the recommended texts in the Final Report of the VGE;

instructs the Director of the Radiocommunication Bureau

to make any arrangements necessary to convene Conference Preparatory Meetings in accordance with decisions of the Radiocommunication Assembly, Geneva, 1993, to provide guidance material to the World Radiocommunication Conference, 1995;

invites the Secretary-General

1. to make all the arrangements necessary for holding the Conference;
2. to communicate this Resolution to concerned international and regional organizations;

invites the Council

to establish the agenda and make provision for the World Radiocommunication Conference 1995 and to initiate as soon as possible the necessary consultation with Members.



CMR-93

CONFERENCE MONDIALE DES
RADIOCOMMUNICATIONS

Corrigendum 1 au
Document 46-F/E/S
17 novembre 1993
Original: français/
anglais/
espagnol

GENEVE, 15-19 NOVEMBRE 1993

COMMISSION 4
COMMITTEE 4
COMISION 4

GROUPE DE TRAVAIL 4B
WORKING GROUP 4B
GRUPO DE TRABAJO 4B

PROJET D'ORDRE DU JOUR PRELIMINAIRE DE LA CMR-97
DRAFT PRELIMINARY AGENDA FOR WRC-97
ANTEPROYECTO DE ORDEN DEL DIA DE LA CMR-97

Ce corrigendum ne concerne pas la version française

This text does not concern the English version

Sustitúyanse los párrafos 3.6.1 y 3.7 por los siguientes:

"3.6.1 las disposiciones para indicar que no deben efectuarse comunicaciones de socorro, urgencia y seguridad móviles marítimas y móviles marítimas por satélite en las bandas de frecuencias en que no se aplica el SMSSM, sin modificar el número 2932 del RR;

3.7 examinar las opciones para mejorar los Planes del servicio de radiodifusión por satélite y las disposiciones para las Regiones 1 y 3 en los apéndices 30 y 30A, conforme a la Resolución N.º 524 (CAMR-92);"



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 46-E
16 November 1993
Original: English

COMMITTEE 4

Source: Document DT/6 + New

Working Group 4B

DRAFT PRELIMINARY AGENDA FOR WRC-97

The draft preliminary agenda for WRC-97 is submitted to Committee 4 for consideration.

L. BROWN HERNANDEZ
Chairman of Working Group 4B

Annex: 1

ANNEX

Draft preliminary agenda for WRC-97

RESOLUTION (B)

The World Radiocommunication Conference (Geneva, 1993),

considering

that in accordance with No. 118 of the Convention of the International Telecommunication Union (Geneva, 1992) in connection with Resolution No. 1 of the Additional Plenipotentiary Conference (Geneva, 1992) the general scope of the agenda for the 1997 World Radiocommunication Conference should be established four years in advance;

considering further

- a) Resolution Nos. 8 and 9 of the Additional Plenipotentiary Conference, Geneva, 1992;
- b) Article 13 of the Constitution (Geneva, 1992) regarding the competency and scheduling of world radiocommunication conferences and Article 7 of the Convention (Geneva, 1992) regarding their agendas; and
- c) the relevant Resolutions and Recommendations of previous World Administrative Radio Conferences;

resolves

to recommend to the Council to include the following items on the agenda of the 1997 World Radiocommunication Conference, to be held in [October 1997], for a period of four weeks:

- 1. to take appropriate action in respect to those issues that were specifically requested by WRC-95;
- 2. to consider and take appropriate action in respect to the topics referred to in the following Resolutions and Recommendations:
 - 2.1 Resolutions Nos. 112 (WARC-92), 211 (WARC-92), [408 (Mob-87)] and 712 (WARC-92);
 - 2.2 Recommendations Nos. [66(Rev. WARC-92)], 621 (WARC-92), 711, and 715 (Orb-88);
- 3. based on proposals from Members of the Union, and taking account of the results of WRC-95, to review, and where necessary, revise the provisions of the Radio Regulations with respect to the following topics:
 - [3.1 the remaining issues concerning frequency allocations and regulatory aspects as related to the mobile-satellite services, including allocations for feeder links for mobile-satellite services;]
 - 3.2 other frequency allocation issues for the space services which are not covered in the above referred Resolutions:
 - [3.2.1 allocation of frequency bands above [50] GHz to the Earth exploration-satellite service;]
 - [3.2.2 raising the status of the allocation No. 713 (RR) to the Earth exploration-satellite service in the band 13.4 - 13.75 GHz;]
 - 3.2.3 to consider frequency allocations and associated provisions for the band 399.9 - 400.05 MHz;

3.3 examination of, and taking necessary decisions for, the use of HF bands allocated to the broadcasting service in light of developments to date;

[3.4 to consider the possible deletion of all secondary and permitted allocations from the band 136 - 137 MHz, which is allocated to the aeronautical mobile (R) service on a primary basis, in accordance with Resolution No. 408 and in order to meet the special needs of the aeronautical mobile (R) service;]

3.5 to review the provisions of Chapters IX and N IX, as stipulated in Resolution No. 331 (Mob-87) and to take appropriate action in respect to the issues dealt with in Resolution Nos. 200 (Mob-87), 210 (Mob-87) and 330 (Mob-87) taking into account that the global maritime distress and safety system (GMDSS) shall be fully implemented in 1999;

3.6 to consider the following matters related to the maritime mobile and maritime mobile-satellite services:

[3.6.1 provisions to indicate that maritime mobile and maritime mobile-satellite distress, urgency and safety communications should not be conducted in frequency bands where the GMDSS is not applicable, without alteration of RR 2932;]

3.6.2 the use of the Appendix 18 VHF Frequency Spectrum for Maritime Mobile Communications;

3.6.3 Article 61 relating to the Order of Priority of Communications in the Maritime Mobile Service and in the Maritime Mobile-Satellite Service;

3.7 to consider options for improvements to the broadcasting-satellite service Plans and provisions for Regions 1 and 3 in Appendices 30 and 30A, in accordance with Resolution No. 524 (WARC-92);

[3.8 review Appendix 8 of the Radio Regulations dealing with limits for spurious and out-of-band emissions based on the studies carried out by the Radiocommunication Sector, as required by Recommendation No. 66;]

[3.9 taking into account the results of WRC-95, take appropriate actions on the Recommendations of the VGE;]

4. consider the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since the last Conference;

5. recommend to the Council items for inclusion in the agenda of WRC-99; and recommend a preliminary agenda for WRC-2001;

instructs the Director of the Radiocommunication Bureau

to make any arrangements necessary to convene Conference Preparatory Meetings on [...] to provide guidance material to the 1997 Conference;

invites the Secretary-General

to communicate this Resolution to concerned international and regional organizations.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

**WORLD RADIOCOMMUNICATION
CONFERENCE**

GENEVA, 15-19 NOVEMBER 1993

Document 47-E
17 November 1993
Original: English

PLENARY MEETING

Note by the Secretary-General

I have the honour to transmit to the Conference the Report from the ITU Radiocommunication Assembly, Geneva, 1993 to the World Radiocommunication Conference, Geneva, 1993.

Pekka TARJANNE
Secretary-General

Annex: 1

ANNEX

**Report from the ITU Radiocommunication Assembly, Geneva, 1993
to the World Radiocommunication Conference, Geneva, 1993**

The Radiocommunication Assembly, in accordance with No. 136 of the Convention, hereby submits this report of the progress in matters that may be included in the agenda of radiocommunication conferences.

Specific agenda items for future radiocommunication conferences were not available at the time of the Radiocommunication Assembly. However, the World Radiocommunication Conference may wish to take account of the following information.

1. In response to Resolution No. 94 (WARC-92), the Director of the Radiocommunication Bureau has reviewed all Resolutions and Recommendations of World Administrative Radio Conferences still in force and included in the Radio Regulations. The review is given in Document 6 of WRC-93. An annex to this document lists the actions taken, or to be taken, by the ITU-R study groups as a consequence of the Resolutions and Recommendations of WARC-92.
2. A list of Recommendations adopted by the Radiocommunication Assembly, and by previous CCIR Plenary Assemblies, is contained in Document RA93/PLEN/90*. These Recommendations represent completed studies of which it may be appropriate to take into account in future radiocommunication conferences.
3. A list of Questions which are currently being studied, or are about to be studied by the ITU-R study groups, is given in Document Add.2(Rev.2) to RA93/PLEN/2*.

* Documents are available upon request.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 48-E
17 November 1993
Original: English

COMMITTEE 3

NOTE BY THE CHAIRMAN OF COMMITTEE 4
TO THE CHAIRMAN OF COMMITTEE 3

With reference to your Note in Document 40, I inform you that there is no decision being prepared by Committee 4 the execution of which would result additional expenses not foreseen in the Union's budget.

S. PINHEIRO
Chairman, Committee 4



COMMITTEE 2

FIRST REPORT OF WORKING GROUP 2A TO COMMITTEE 2

1. The Working Group of Committee 2 (Credentials) met on 17 November 1993. It examined the credentials of the following delegations:

ALBANIA	CÔTE D'IVOIRE
ALGERIA	CROATIA
GERMANY	CUBA
SAUDI ARABIA	DENMARK
ARGENTINA	DJIBOUTI
ARMENIA	EGYPT
AUSTRALIA	UNITED ARAB EMIRATES
AUSTRIA	ECUADOR
BAHAMAS	ERITREA
BAHRAIN	SPAIN
BANGLADESH	ESTONIA
BARBADOS	UNITED STATES
BELARUS	FINLAND
BELGIUM	FRANCE
BENIN	GABON
BRAZIL	GAMBIA
BRUNEI DARUSSALAM	GHANA
BULGARIA	GREECE
BURKINA FASO	GUINEA
CAMEROON	HUNGARY
CANADA	INDIA
CHINA	INDONESIA
CYPRUS	IRAN (ISLAMIC REP. OF)

VATICAN CITY	IRELAND
COLOMBIA	ICELAND
KOREA (REP. OF)	ISRAEL
ITALY	POLAND
JAPAN	PORTUGAL
KENYA	DEM. PEOPLE'S REP. OF KOREA
KUWAIT	CZECH REPUBLIC
LATVIA	ROMANIA
THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA	UNITED KINGDOM
LUXEMBOURG	RUSSIA
MALAYSIA	RWANDA
MALTA	SAN MARINO
MOROCCO	SENEGAL
MAURITIUS	SINGAPORE
MEXICO	SRI LANKA
MICRONESIA	SWEDEN
MOLDOVA	SWITZERLAND
MONACO	SURINAME
MONGOLIA	TANZANIA
MOZAMBIQUE	CHAD
MYANMAR	THAILAND
NIGER	TOGO
NORWAY	TONGA
NEW ZEALAND	TUNISIA
OMAN	TURKEY
UGANDA	UKRAINE
PAKISTAN	URUGUAY
PAPUA NEW GUINEA	VIET NAM
NETHERLANDS	YEMEN
PHILIPPINES	ZIMBABWE

(i.e. 106 delegations)

The above credentials are all in order.

2. The Working Group noted that some delegations attending the Conference have not yet deposited their credentials. These delegations are urged either to deposit them or to refer the matter to the Committee's Secretariat.

Chairman of Working Group 2A
B. AGNAN



GENEVA, 15-19 NOVEMBER 1993

LIST OF DOCUMENTS ISSUED
(DOCUMENTS 1 TO 50)

DOCUMENT NUMBER	ORIGIN	DOCUMENT TITLE	DESTINATION
1(Rev.1)	SG	AGENDA OF THE CONFERENCE	PL
2	SG	CREDENTIALS OF DELEGATIONS TO CONFERENCES	C2
3	SG	RESOLUTIONS AND RECOMMENDATIONS OF THE RADIO REGULATIONS	C4
4(Rev.1)	SG	TRANSMITTAL OF LETTER RECEIVED FROM THE ADMINISTRATION OF THE RUSSIAN FEDERATION	PL
5(Rev.1)	SG	TRANSMITTAL OF LETTER RECEIVED FROM THE ADMINISTRATION OF THE KINGDOM OF TONGA	PL
6	SG	RESOLUTIONS AND RECOMMENDATIONS OF THE RADIO REGULATIONS	C4
7	USA	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
8	USA	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
9	CAN	PROPOSALS FOR THE WORK OF THE CONFERENCE	PL, C4
10	J	PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
11 + Corr.1	EUR	EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
12	SG	BUDGET OF THE WORLD RADIOCOMMUNICATION CONFERENCE	C3
13	SG	CONTRIBUTION OF ENTITIES AND ORGANIZATIONS TO THE EXPENSES OF THE CONFERENCE	C3
14	SG	FINANCIAL RESPONSIBILITIES OF CONFERENCES	C3, PL
15 + Add.1	SG	PARTICIPATION REQUESTS SUBMITTED BY INTERNATIONAL ORGANIZATIONS	PL
16(Rev.1)	SG	INVITATIONS	PL
17	B	PROPOSALS FOR THE WORK OF THE CONFERENCE	PL
18	SG	SITUATION OF THE ACCOUNTS OF THE WORLD RADIOCOMMUNICATION CONFERENCE AS AT 15 NOVEMBER 1993	C3

DOCUMENT NUMBER	ORIGIN	DOCUMENT TITLE	DESTINATION
19 + Corr.1	ARS	PROPOSALS FOR THE WORK OF THE CONFERENCE	PL
20	AUS	PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
21	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
22	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
23	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
24	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	PL
25	IND	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
26	KEN	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
27	SG	LOSS OF THE RIGHT TO VOTE	PL
28	SG	REPORT BY THE VOLUNTARY GROUP OF EXPERTS TO WRC-93	PL
29	SG	NOTE BY THE SECRETARY-GENERAL (PREPARATION FOR THE CONFERENCE BY THE RADIOCOMMUNICATION BUREAU)	PL
30(Rev.1) + Corr.1,2	EUR	EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
31 + Corr.1,2,3	D, I, GRC, MCO, NOR, HOL, TUR, CVA	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
32	J	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
33 + Corr.1	USA	PROPOSAL FOR THE WORK OF THE CONFERENCE	PL
34	SG	INFORMATION NOTE ADDRESS BY THE SECRETARY-GENERAL TO THE ITU RADIOCOMMUNICATION ASSEMBLY	PL
35	SG	ALLOCATION OF DOCUMENTS	-
36	SG	SECRETARIAT OF THE CONFERENCE	-
37	SG	STRUCTURE OF THE WORLD RADIOCOMMUNICATION CONFERENCE (WRC-93)	-
38	SG	CHAIRMANSHIP OF THE CONFERENCE	-
39	SG	GENERAL SCHEDULE OF THE WORK OF THE CONFERENCE	-
40	C3	NOTE BY THE CHAIRMAN OF COMMITTEE 3 TO THE CHAIRMAN OF COMMITTEE 4	C4
41	MEX	PROPOSALS FOR THE WORK OF THE CONFERENCE	C4

DOCUMENT NUMBER	ORIGIN	DOCUMENT TITLE	DESTINATION
42	SG	TRANSFER OF POWERS - PRINCIPALITY OF LIECHTENSTEIN / CONFEDERATION OF SWITZERLAND	PL
43	SG	INFORMATION NOTE TRANSMITTAL OF LETTER RECEIVED FROM THE CHAIRMAN, IUCAF	PL
44	SG	TRANSFER OF POWERS - ICELAND / NORWAY	PL
45 + Add.1,2	WG 4A	DRAFT AGENDA FOR WRC-95	C4
46 + Corr.1	WG 4B	DRAFT PRELIMINARY AGENDA FOR WRC-97	C4
47	SG	REPORT FROM THE ITU RADIOCOMMUNICATION ASSEMBLY, (GENEVA, 1993) TO THE WORLD RADIOCOMMUNICATION CONFERENCE, (GENEVA, 1993)	PL
48	C4	NOTE BY THE CHAIRMAN OF COMMITTEE 4 TO THE CHAIRMAN OF COMMITTEE 3	C3
49	WG 2A	FIRST REPORT OF WORKING GROUP 2A TO COMMITTEE 2	C2
50	SG	LIST OF DOCUMENTS ISSUED (DOCUMENTS 1 - 50)	PL



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Corrigendum 1 to
Document 51(Corr.2)-E/F/S
18 November 1993
Original: English/
French/
Spanish

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING
SEANCE PLENIERE
SESION PLENARIA

MODIFICATIONS TO THE REPORT BY COMMITTEE 2
TO THE PLENARY MEETING

MODIFICATION AU RAPPORT DE LA COMMISSION 2
A LA SEANCE PLENIERE

MODIFICACIONES AL INFORME DE LA COMISION 2
A LA SESION PLENARIA

(CREDENTIALS)
(POUVOIRS)
(CREDENCIALES)

Replace the text of **Section 1** with the following new text:

"Section 1	Insert	ANGOLA SLOVAKIA"
------------	--------	---------------------

Ce corrigendum ne concerne pas la version française

Este corrigendum no concierne a la versión española



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Corrigendum 2 to
Document 51-E
18 November 1993
Original: French

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

MODIFICATIONS TO THE REPORT BY COMMITTEE 2
TO THE PLENARY MEETING

(CREDENTIALS)

Following the submission of the Report by Committee 2 to the Third Plenary Meeting, the following modifications should be made to the Annex to Document 51:

Section 1	Insert	SLOVAKIA
Section 4	Delete	SLOVAKIA

B. AGNAN

Chairman of Committee 2



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Corrigendum 1 to
Document 51-E
18 November 1993
Original: French

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

MODIFICATIONS TO THE REPORT BY COMMITTEE 2
TO THE PLENARY MEETING

(CREDENTIALS)

Following the submission of the Report by Committee 2 to the Third Plenary Meeting, the following modifications should be made to the Annex to Document 51:

Section 1:

Insert SLOVENIA

Section 2:

Insert VENEZUELA

Section 4:

Delete SLOVENIA
 VENEZUELA

B. AGNAN
Chairman



PLENARY MEETING

REPORT BY COMMITTEE 2 TO THE PLENARY MEETING

(Credentials)

1. Terms of reference

The terms of reference of the Committee are described in Document 37.

2. Meetings

The Committee met twice, on 16 and 18 November 1993.

At its first meeting, it set up a working group comprised of the Chairman and Vice-Chairman of the Committee, and a delegate from each of the following countries : United States and Gabon, to verify the credentials of delegations, in accordance with Article 31 of the Convention of the International Telecommunication Union (Geneva, 1992).

3. Transfer of powers

In accordance with the provisions of No. 335 of the Geneva Convention (1992), the transfer of powers from Liechtenstein to Switzerland was approved at the first meeting of Committee 2.

4. Conclusions

The Committee's conclusions are given in the Annex to the present document and are submitted to the Plenary Meeting for approval.

5. Closing remarks

The Committee recommends the Plenary to authorize the Chairman and the Vice-Chairman of Committee 2 to verify the credentials received after the date of this report and to submit their conclusions in that respect to the Plenary Meeting.

B. AGNAN
Chairman

Annex : 1

A N N E X

1. Credentials deposited by the delegations of countries having the right to vote and found to be in order

ALBANIA	CÔTE D'IVOIRE
ALGERIA	CROATIA
GERMANY	CUBA
SAUDI ARABIA	DENMARK
ARGENTINA	DJIBOUTI
ARMENIA	EGYPT
AUSTRALIA	UNITED ARAB EMIRATES
AUSTRIA	ECUADOR
BAHAMAS	ERITREA
BAHRAIN	SPAIN
BANGLADESH	ESTONIA
BARBADOS	UNITED STATES
BELARUS	FINLAND
BELGIUM	FRANCE
BENIN	GABON
BRAZIL	GAMBIA
BRUNEI DARUSSALAM	GHANA
BULGARIA	GREECE
BURKINA FASO	GUINEA
CAMEROON	HUNGARY
CANADA	INDIA
CHINA	INDONESIA
CYPRUS	IRAN (ISLAMIC REPUBLIC OF)
VATICAN CITY STATE	IRELAND
COLOMBIA	ICELAND
KOREA (REP. OF)	ISRAEL

ITALY	POLAND
JAPAN	PORTUGAL
KENYA	DEM. PEOPLE'S REPUBLIC OF KOREA
KUWAIT	CZECH REPUBLIC
LATVIA	ROMANIA
THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA	UNITED KINGDOM
LUXEMBOURG	RUSSIA
MALAYSIA	SAN MARINO
MALTA	SENEGAL
MOROCCO	SINGAPORE
MAURITIUS	SRI LANKA
MEXICO	SWEDEN
MICRONESIA	SWITZERLAND
MOLDOVA	SURINAME
MONACO	TANZANIA
MONGOLIA	THAILAND
MOZAMBIQUE	TOGO
MYANMAR	TONGA
NIGER	TUNISIA
NORWAY	TURKEY
NEW ZEALAND	UKRAINE
OMAN	URUGUAY
PAKISTAN	VIET NAM
PAPUA NEW GUINEA	YEMEN
NETHERLANDS	ZIMBABWE
PHILIPPINES	

Conclusion

The delegations of the above countries are entitled to vote and to sign the Final Acts.

2. Credentials deposited by the delegations of countries without the right to vote and found to be in order (see Document 27)

UGANDA

CHAD

RWANDA

Conclusion

The delegations of the above countries are not entitled to vote but may sign the Final Acts.

3. Transfer of powers deposited by countries unable to send their own delegations to the Conference (No. 335 of the Geneva Convention) and found to be in order

	Column 1		Column 2
From :	LIECHTENSTEIN	To :	SWITZERLAND

Conclusion

The delegation of the country mentioned in Column 2 is entitled to vote and to sign on behalf of the country listed in Column 1, as detailed in Document 42.

4. Delegations participating in the Conference which have not deposited credentials

BURUNDI

NIGERIA

CENTRAL AFRICAN REPUBLIC

PANAMA

DOMINICAN REPUBLIC *)

PARAGUAY

GUATEMALA *)

SYRIAN ARAB REPUBLIC

LEBANON

SLOVAKIA

MALAWI

SLOVENIA

MAURITANIA *)

VENEZUELA *)

NAMIBIA

Conclusion

The delegations of the above countries are not entitled to vote or to sign the Final Acts.

*) Included in the list of countries which have lost their right to vote (See Document 27).



REPORT OF THE BUDGET CONTROL COMMITTEE
TO THE PLENARY MEETING

1. The Budget Control Committee held two meetings during the World Radiocommunication Conference and considered the points arising under its terms of reference.

2. Under Nos. 364 to 366 of the Convention, Geneva, 1992, the Committee's terms of reference are :

- a) to determine the organization and the facilities available to the delegates ;
- b) to examine and approve the accounts for expenditure incurred throughout the duration of the conference ;
- c) to present a report to the Plenary Meeting showing the estimated total expenditure of the conference as well as an estimate of the costs that may be entailed by the execution of the decisions taken by such conference.

3. Organization and facilities made available to delegates

Although the Radiocommunication Assembly and the World Radiocommunication Committee were organized in parallel, the Budget Control Committee considered that the facilities made available to delegates were very satisfactory and wished to express its thanks for all the efforts made to ensure the smooth running of the Conference.

4. Financial responsibilities of Conferences

The attention of the Budget Control Committee was drawn to Article 34 of the Convention (Geneva, 1992) which stipulates that :

"1. Before adopting proposals or taking decisions with financial implications, the conferences of the Union shall take account of all the Union's budgetary provisions with a view to ensuring that they will not result in expenses beyond the credits which the Council is empowered to authorize.

2. No decision of a conference shall be put into effect if it will result in a direct or indirect increase in expenses beyond the credits that the Council is empowered to authorize".

5. Budget and expenditure of the World Radiocommunication Conference

5.1 The Council, at its 47th session in 1992, provisionally entered in the 1993 budget a credit of 1,580,000 Swiss francs for the convening of the first World Radiocommunication Conference pending an appropriate decision of the Additional Plenipotentiary Conference in December 1992. Since then, this credit has been broken down as follows : 1,026,000 Swiss francs for the Radiocommunication Assembly and 554,000 Swiss francs for the World Radiocommunication Conference.

5.2 The budget of the World Radiocommunication Conference was adjusted to take account of changes in the conditions of employment of staff in the United Nations Common System and of the Swiss franc/US dollar exchange rate. It stands on 1st November 1993 at 566,000 Swiss francs.

5.3 The table in Annex I to this report sets out the expenditure of the World Radiocommunication Conference as estimated on 15 November 1993. It emerges that the total expenditure is estimated at around 476,000 Swiss francs, thus leaving a provisional saving of 90,000 Swiss francs.

6. Financial implications of the decisions taken by the Conference

No additional expenditure resulting from the execution of the decisions taken by the Conference can be foreseen.

7. Contributions of entities and organizations to the expenses of the Conference

7.1 Article 33 of the Convention, Geneva 1992, provides that the entities and organizations which have been authorized to participate in a radiocommunication conference shall share in defraying the expenses of the conference in question unless they have been exempted by Council.

7.2 According to No. 481 of the Convention, Geneva 1992, the amount of the contributory unit for entities and organizations which contribute to the expenses of that Conference amounts to 1,480 Swiss francs. The contributions are considered as Union income.

7.3 The list of entities and organizations which participate in the work of the Conference is found in Annex 2 to this document.

The Plenary Meeting is requested to consider and approve this report, which will then be forwarded to the Secretary-General, together with the comments of the Plenary meeting for submission to the 1994 Council.

G. KITHINJI
Chairman of Committee 3

Annexes : 2

ANNEX 1

**Situation of the accounts of the World Radiocommunication Conference
as at 15 November 1993**

Recapitulation	Budget value 1/1/92	adjusted value 1/11/93	Actual expenditure 15/11/93	Committed and estimated expenditure	Total expenditure
- Swiss francs -					
Salaries and related expenses	246.000	253.000	-	200.000	200.000
	63.000	63.000	-	20.000	20.000
	2.000	2.000	-	2.000	2.000
- Meetings staff					
- Travel (recruitment)					
- Insurance					
Sub-total I	311.000	318.000	-	222.000	222.000
Travel outside Geneva	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
- Subsistence allowance	-	-	-	-	-
- Travel					
- Transport and dispatch					
Sub-total II					
Premises and equipment	17.000	17.000		17.000	17.000
	30.000	30.000	1.000	39.000	40.000
	17.000	17.000	7.600	7.500	15.100
	22.000	22.000	1.400	20.700	22.100
	12.000	12.000		10.000	10.000
- Premises, furniture, machines	98.000	98.000	10.000	94.200	104.200
- Document production					
- Supplies and overheads					
- PTT					
- Sundry and unforeseen					
Sub-total III	409.000	416.000	10.000	316.200	326.200
Total, Section 12	145.000	150.000		150.000	150.000
Estimate, Section 17	554.000	566.000	10.000	466.200	476.200
Total, Sections 12 +17					

ANNEX 2

List of entities and organizations contributing to the expenses of the Conference

		Number of contributory units	
1.	<u>United Nations and its specialized agencies</u>		
	International Civil Aviation Organization (ICAO)	*)	
	World Meteorological Organization (WMO)	*)	
2.	<u>Regional telecommunication organizations</u>		
	Asia-Pacific Telecommunity (APT)	*)	
	European Conference of Postal and Telecommunications Administrations (CEPT)	*)	
	Regional Commonwealth in the field of Communications (RCC)		**)
	African Postal and Telecommunication Union (UAPT)	*)	
3.	<u>Intergovernmental organizations operating satellite systems</u>		
	Arab Satellite Communications Organization (ARABSAT)	1	
	European Space Agency (ESA)	1/2	
	European Telecommunications Satellite Organization (EUTELSAT)	1	
	International Maritime Satellite Organization (INMARSAT)	1/2	
	International Telecommunications Satellite Organization (INTELSAT)	1	
	International Organization of Space Communications (INTERSPUTNIK)		**)
4.	<u>Other international organizations</u>		
	Asia-Pacific Broadcasting Union (ABU)	*)	
	Arab States Broadcasting Union (ASBU)	*)	
	European Communities (EC)	1/2	
	International Committee of the Red Cross (CICR)	*)	
	Gulf Cooperation Council for Arab Countries (GCC)	*)	
	International Association of Lighthouse Authorities (IALA)	1/2	
	International Amateur Radio Union (IARU)	*)	
	Inter-Union Commission on Frequency Allocations for Radio Astronomy and Space Science (IUCAF)	*)	
	European Broadcasting Union (EBU)	*)	

*) exempt from any contribution in accordance with Council Resolution No. 925

**) has not chosen its class of contribution as at 17 November 1993



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 53-E
18 November 1993

GENEVA, 15-19 NOVEMBER 1993

B.1

PLENARY MEETING

FIRST TEXT SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following text is submitted to the Plenary Meeting for first reading:

<u>Source</u>	<u>Document</u>	<u>Title</u>
COM4	45 (+Add.2)	Resolution COM4/1

Anne-Marie NEBES
Chairwoman of Committee 5

Annex: 3 pages

**Resolution No. [COM4/1] Relating to the Agenda for the
1995 World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) Resolutions 8 and 9 of the Additional Plenipotentiary Conference, (Geneva, 1992);
- b) Article 13 of the Constitution (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;
- d) the recent technological advances in the field of broadcasting,

recognizing

- a) that the work of the Voluntary Group of Experts (VGE) should be considered and implemented as quickly as possible, to ensure that future decisions of the Radiocommunication Sector are made within the framework of any new substance, structure or arrangement of the Radio Regulations;
- b) that activities related to implementation of the decisions of the World Administrative Radio Conference (Malaga-Torremolinos, 1992) concerning the mobile-satellite service (MSS) indicate that some of those decisions may require further consideration;
- c) that the provision of feeder links is an integral aspect of facilitating the use of the frequency bands allocated to the MSS,

recognizing further

- a) that there are a limited number of other issues which can be considered at the 1995 World Radiocommunication Conference (WRC-95) without affecting consideration of VGE and MSS issues;
- b) the need to maintain and protect other services to which the frequency bands to be considered by WRC-95 are also allocated,

resolves

to recommend to the Council that a world radiocommunication conference be held in Geneva in late 1995 for a period of [four] weeks, with the following agenda:

1. to review the report of the VGE, and to consider related proposals from administrations, in order to undertake, as appropriate, a revision of the Radio Regulations and to provide a timetable for the implementation of outstanding recommended actions;

2. on the basis of proposals by administrations and the report from the Conference Preparatory Meeting:

[2.1 with the view to facilitate the use of frequency bands allocated to the mobile-satellite services and with due regard to existing services to which the frequency spectrum to be considered by the Conference is also allocated:]

- (a) review the frequency bands allocated below 3 GHz to mobile-satellite services and the associated provisions including Resolutions and Recommendations;]
- (b) review the date of entry into force of allocations in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in Regions 1 and 3 and the bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz in Region 2;]
- (c) consider allocations and regulatory aspects for feeder links for the mobile-satellite services taking account of the interference that may be caused to satellite systems in the geostationary-satellite orbit;

2.2 to consider power limits for earth stations in the Earth exploration-satellite, space research, and space operation services in the band 2 025 - 2 110 MHz;

2.3 to review Resolution No. 112 in the light of the results of studies carried out in application of that Resolution and take appropriate action;

[3. to consider preparatory work to be carried out by the study groups and the Conference Preparatory Meetings of the Radiocommunication Sector relating to:

- a) Appendices 30 and 30A to the Radio Regulations for Regions 1 and 3;
- b) to consider Resolution 712 with the view to WRC-97 undertaking further actions;
- c) to consider the availability of the new allocated HFBC bands with a view to further consideration by WRC-97;
- d) assess requirements for the MSS and associated feeder links, for consideration by the 1997 Conference and where necessary, adopt limited allocations;]

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 No. 94 (WARC-92), to review those resolutions and recommendations of world administrative radio conferences which are relevant to **resolves** [1-4] above with a view to their possible revision, replacement or abrogation;

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

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

6.2 to recommend to the Council the agenda for the 1997 World Radiocommunication Conference and the provisional agenda for the 1999 Conference, and to give views on possible agenda items for future conferences;

6.3 to identify those items requiring priority action by the radiocommunication study groups,

invites administrations

when preparing and submitting their proposals to WRC-95 relating to the simplification of the Radio Regulations or to matters relating to the agenda contained in this Resolution, to base them as far as practicable on the recommended texts in the final report of the VGE,

instructs the Director of the Radiocommunication Bureau

to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting in accordance with decisions of the Radiocommunication Assembly, (Geneva, 1993), and to prepare a report to WRC-95,

invites the Council

to establish the agenda and make provision for WRC-95 and to initiate as soon as possible the necessary consultation with Members,

instructs the Secretary-General

to communicate this Resolution to concerned international and regional organizations.



B.2

PLENARY MEETING

SECOND TEXT SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following text is submitted to the Plenary Meeting for first reading:

<u>Source</u>	<u>Document</u>	<u>Title</u>
COM4	46	Resolution COM4/2

Anne-Marie NEBES
Chairwoman of Committee 5

Annex: 2 pages

**Resolution No. [COM4/2] Relating to the Preliminary Agenda for the
1997 World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 1993),

considering

that in accordance with Nos. 118 and 126 of the Convention (Geneva, 1992) and having regard to Resolution 1 of the Additional Plenipotentiary Conference (Geneva, 1992), the general scope of the agenda for the 1997 World Radiocommunication Conference (WRC-97) should be established four years in advance,

considering further

- a) Resolutions 8 and 9 of the Additional Plenipotentiary Conference (Geneva, 1992);
- b) Article 13 of the Constitution (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,

is of the view

that the following items should be included in the agenda of WRC-97, to be held in late 1997, for a period of [four] weeks:

- 1. to take appropriate action in respect of those urgent issues that were specifically requested by the 1995 World Radiocommunication Conference (WRC-95);
- 2. to consider and take appropriate action in respect of the topics referred to in the following resolutions and recommendations:
 - 2.1 Resolutions Nos. 60 (WARC-79), 211 (WARC-92), 710 (WARC-92) and 712 (WARC-92);
 - 2.2 Recommendations Nos. 66(Rev. WARC-92), 621 (WARC-92), 711 (WARC-92) and 715 (Orb-88);
- 3. based on proposals by Members of the Union, and taking account of the results of WRC-95, to review and, where necessary, revise the provisions of the Radio Regulations with respect to the following topics:
 - [3.1 the remaining issues concerning frequency allocations and regulatory aspects as related to the mobile-satellite services, including allocations for feeder links for mobile-satellite services;]
 - 3.2 other frequency allocation issues for the space services which are not covered in the above-mentioned Resolutions:
 - 3.2.1 allocation of frequency bands above [30] GHz to the Earth exploration-satellite service;

- 3.2.2 frequency allocations and associated provisions for the band 399.9 - 400.05 MHz;
- [3.3 examination of, and taking necessary decisions for, the use of HF bands allocated to the broadcasting service in light of developments to date;]
- 3.4 consideration of the possible deletion of all secondary and permitted allocations from the band 136 - 137 MHz, which is allocated to the aeronautical mobile (R) service on a primary basis, in accordance with Resolution No. 408 (Mob-87) and in order to meet the special needs of the aeronautical mobile (R) service;
- 3.5 review of the provisions of Chapters IX and N IX, as stipulated in Resolution No. 331 (Mob-87) and appropriate action in respect of the issues dealt with in Resolutions Nos. 200 (Mob-87), 210 (Mob-87) and 330 (Mob-87) taking into account that the global maritime distress and safety system (GMDSS) shall be fully implemented in 1999;
- 3.6 consideration of the following matters related to the maritime mobile and maritime mobile-satellite services:
- 3.6.1 the use of the Appendix 18 VHF frequency band for maritime mobile communications;
- 3.6.2 Article 61 relating to the order of priority of communications in the maritime mobile service and in the maritime mobile-satellite service;
- 3.7 review and revision, as necessary, of Appendices 30 and 30A for Regions 1 and 3, in [accordance with] [response to] Resolution No. 524 (WARC-92);
4. to consider the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since the last Conference;
5. to recommend to the Council items for inclusion in the agenda of the 1999 World Radiocommunication Conference and a preliminary agenda for the 2001 World Radiocommunication Conference;
6. to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the Conference;
7. in accordance with Resolution No. 94 (WARC-92), to review those resolutions and recommendations of world administrative radio conferences which are relevant to items 1-6 above with a view to their possible revision, replacement or abrogation,
- 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.



GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

MINUTES

OF THE

FIRST PLENARY MEETING

Monday, 15 November 1993, at 1435 hours

Chairman: Mr. M.-H. GHAZAL (Lebanon) (Dean of the Conference)

later: Mr. V. TIMOFEEV (Russian Federation)

Subjects discussed:

Documents

1.	Opening of the first Plenary Meeting	-
2.	Election of the Chairman of the Conference	-
3.	Address by the Chairman of the Conference	-
4.	Election of the Vice-Chairmen of the Conference	-
5.	Address by the Secretary-General	-
6.	Address by the Director of the Radiocommunication Bureau	-
7.	Conference structure	DT/2
8.	Election of the Chairmen and Vice-Chairmen of the Committees	-
9.	Composition of the Conference Secretariat	-
10.	Allocation of documents to Committees	DT/4(Rev.1)
11.	Requests for participation received from international organizations	15
12.	Invitations to the Conference	16
13.	Date by which the Credentials Committee must submit its conclusions	-
14.	Working hours of the meetings of the Conference	-
15.	Financial responsibilities of conferences	14

1. Opening of the first Plenary Meeting

1.1 The Dean of the Conference declared open the first Plenary Meeting of the World Radiocommunication Conference.

2. Election of the Chairman of the Conference

2.1 The Secretary-General announced that the meeting of Heads of delegation had decided to propose Mr. Valery Timofeev (Russian Federation) for the post of Chairman of the Conference.

2.2 The proposal was adopted by acclamation.

2.3 Mr. Timofeev took the Chair.

3. Address by the Chairman of the Conference

3.1 The Chairman delivered the address reproduced in Annex 1.

4. Election of the Vice-Chairmen of the Conference

4.1 The Secretary-General announced that the meeting of Heads of delegation had proposed the following delegates for the posts of Vice-Chairmen of the Conference:

- Mr. R. Beaird (United States of America);
- Mr. M.A. Johnson (United Kingdom of Great Britain and Northern Ireland);
- Cheikh T. Diongue (Republic of Senegal);
- Mr. Z. Wang (People's Republic of China);
- Mr. M.J. Mulla (Kingdom of Saudi Arabia).

4.2 The proposal was adopted by acclamation.

5. Address by the Secretary-General

5.1 The Secretary-General delivered the address reproduced in Annex 2.

5.2 The Chairman joined the Secretary-General in welcoming the new Member of the Union.

5.3 The delegate of Spain congratulated the Principality of Andorra on becoming a Member of the ITU and offered the support of her country to the new Member. The delegate of France echoed those sentiments.

6. Address by the Director of the Radiocommunication Bureau

6.1 The Director of the Radiocommunication Bureau delivered the address reproduced in Annex 3.

7. Conference structure (Document DT/2)

7.1 The Secretary-General said that the meeting of Heads of delegation had approved the Conference structure given in Document DT/2. He noted that Committee 4 (Agenda Committee) was the only Committee proposed to deal with substantive matters.

7.2 The delegate of the United States, supported by the delegates of Japan and Morocco, suggested that the terms of reference of Committee 4 should be amended to read as follows:

"On the basis of proposals from administrations:

1. To make recommendations to the Council for the agenda ~~for~~of the 1995 WRC, by including therein:

1.1 ~~The~~ review of the Radio Regulations based on the report of the "Voluntary Group of Experts to Study the Allocation and Improved Use of the Radio-Frequency Spectrum and the Simplification of the Radio Regulations", and

1.2 ~~Any~~ guidance on facilitating the use of frequency bands allocated to the mobile-satellite service;

2. To make recommendations for the preliminary agenda ~~for~~of the 1997 WRC."

7.3 In response to a request for clarification by the delegate of Kuwait, the Secretary-General explained that adding the words "to the Council" only made the text more explicit without changing its meaning, since the Council would in any event have to approve the agenda of the 1995 WRC.

7.4 The delegate of France considered that the word "including", in the original text of paragraph 1, allowed for the possibility of introducing other items, whereas the wording suggested by the delegate of the United States, "by including therein", appeared to restrict the agenda to the items listed.

7.5 The delegate of Morocco said that, in supporting the revision suggested by the delegate of the United States, he had understood it as not changing the sense of the original text. He noted that the agenda of the 1995 WRC would be discussed by the Plenary Meeting.

7.6 The Secretary-General and the Chairman confirmed that the choice of terms of reference for Committee 4 in no way affected the mandate of the Council.

7.7 The delegate of the United States withdrew the part of his amendment that appeared to be causing difficulty: rather than reading "by including therein", the text should simply read "including", as in the original version.

7.8 The terms of reference of Committee 4, as amended by the delegate of the United States, were approved.

7.9 Document DT/2, as amended, was approved.

8. Election of the Chairmen and Vice-Chairmen of the Committees

8.1 The Secretary-General announced that the meeting of Heads of delegation had unanimously approved the following nominations for the posts of Chairmen and Vice-Chairmen of the Committees:

Committee 2 - Credentials Committee

Chairman: Mr. B. Agnan (Republic of Benin)

Vice-Chairman: Mr. M. Takahashi (Japan)

Committee 3 - Budget Control Committee

Chairman: Mr. G. Kithinji (Republic of Kenya)

Vice-Chairman: Mr. V. Demirev (Republic of Bulgaria)

Committee 4 - Agenda Committee

Chairman: Mr. S. Pinheiro (Federative Republic of Brazil)
Vice-Chairman: Mr. R.N. Agarwal (Republic of India)

Committee 5 - Editorial Committee

Chairman: Mrs. A.-M. Nebes (France)
Vice-Chairmen: Mr. M. Goddard (United Kingdom of Great Britain and Northern Ireland)
Mr. V. Rubio Carreton (Spain)

8.2 The proposals were adopted.

9. Composition of the Conference Secretariat

9.1 The Secretary-General informed the Conference that the following ITU staff members would make up the Conference Secretariat:

Executive Secretary:	Mr. X. Escofet
Administrative Secretary:	Mr. J. Escudero
Secretary of Plenary Meeting and Committee 1:	Mr. K. Olms
Secretary of Committee 2:	Mr. X. Escofet
Secretary of Committee 3:	Mr. A. Tazi Riffi
Secretary of Committee 4:	Mr. G. Kovacs
Secretary of Committee 5:	Mr. B. Vérove

The Secretary-General of the ITU would act as Secretary of the Conference.

9.2 The Conference took note of that information.

10. Allocation of documents to Committees (Document DT/4(Rev.1))

10.1 The Chairman invited delegates to consider the allocation of documents as set out in Document DT/4(Rev.1), with the addition of Documents 9 and 17 for Committee 4. Documents submitted during the course of the Conference would be allocated at a later stage.

10.2 The delegate of Saudi Arabia requested that Document 19 should be considered in the Plenary before being allocated to Committee 4.

10.3 It was so agreed.

10.4 Document DT/4(Rev.1), as amended, was approved.

11. Requests for participation received from international organizations (Document 15)

11.1 The delegate of Morocco, referring to paragraph 3 of the document, said it should be stated that the organizations concerned would be admitted to participate as observers, rather than in an advisory capacity.

11.2 Due note being taken of those comments, Document 15 was approved.

12. Invitations to the Conference (Document 16)

12.1 The observer for the European Conference of Postal and Telecommunications Administrations said that the European Radiocommunication Office (ERO) was not a regional telecommunication organization in its own right but an integral part of CEPT, which it would be representing at the Conference. He requested that Document 16 be rectified accordingly.

12.2 The Conference took note of Document 16.

13. Date by which the Credentials Committee must submit its conclusions

13.1 The Secretary-General proposed that Committee 2 should submit its conclusions to the Conference on the afternoon of 18 November 1993.

13.2 The proposal was adopted.

14. Working hours of the meetings of the Conference

14.1 The Secretary-General proposed the following as normal working hours: Monday to Thursday, from 0900 to 1200 hours and from 1400 to 1700 hours. Those hours could be modified if necessary, and the working hours for the last day of the Conference would be established by the Steering Committee in the light of progress of work.

14.2 The proposal was adopted.

15. Financial responsibilities of conferences (Document 14)

15.1 The Conference took note of Document 14.

The meeting rose at 1550 hours.

The Secretary-General:

P. TARJANNE

The Chairman:

V. TIMOFEEV

Annexes: 3

ANNEX 1

Address by the Chairman of the Conference

Mr. Secretary-General,
Distinguished Delegates,
Ladies and Gentlemen,

First and foremost, I must express my deep gratitude to all delegations and to each one of you for the honour you have done me and the trust you have placed in me, which, of course, I take primarily as a mark of respect for my country, Russia. All this gives rise within me to a feeling of great responsibility and a firm intention to make every effort to ensure that the work of this Conference is both fruitful and successful, to which end I count on your support and on the wealth of your knowledge and experience.

This Conference, despite its unusual brevity, deserves to be ranked among the momentous events in the life of the ITU. It is taking place at a time of revolutionary changes in the field of telecommunications - changes which include the rapid introduction of highly efficient digital systems and the global coverage of all continents by satellite communication, broadcasting and navigation systems. Mobile telecommunications in the form of cellular telephone networks and radio-paging systems are moving ahead at a tremendous pace, and we are now seeing the dawn of personal communications based on low-orbiting satellites. We may confidently predict that the beginning of the 21st century will be marked by the introduction throughout the world of digital systems for terrestrial and satellite sound and television broadcasting.

The first Radiocommunication Conference is beginning its work within the framework of the new ITU structure adopted by the APP.

The field of activity that lies before us is unusually broad. Our tasks were established by the decisions taken at previous Plenipotentiary and Administrative Conferences and are constantly being supplemented by new problems arising out of the rapid developments which are taking place in almost all telecommunication services and the corresponding requests by those services for additional frequency bands. In that connection, it is worth noting that the work of earlier WARC's resulted in over 100 Resolutions and Recommendations outlining the pressing problems which would need to be tackled by appropriate future conferences. However, for one reason or another, by no means all of those problems have been examined and resolved by subsequent conferences. Indeed, those that remain are just as pressing now as they were at the outset, while some of them have become even more urgent. The same applies to a number of conferences which are still being postponed.

In addressing ourselves to the tasks before our Conference, we should draw on the vast experience accumulated by administrations at previous WARC's, which, despite great difficulties due to the considerable excess of demand for frequencies over the limited range of frequencies available, came to a successful conclusion by striking a balance between requirements and possibilities. In this they were always helped by the ITU's sound tradition of trying to arrive at a decision acceptable to all participants. This is confirmed by the fact that in practice previous conferences have very rarely resorted to a vote, normally taking decisions by consensus. I hope that this good tradition will be maintained at this Conference too.

This Conference represents the Radiocommunication Sector's first experience of working in its new form and under the new methods of radio regulation. It will have to lay the basis for the work of future radiocommunication conferences.

A preliminary analysis of the proposals submitted to this Conference by administrations shows that the agendas of future conferences ought to include at least three basic sections formulating their aims and tasks.

The first section concerns general problems of radio regulation and improvement of the Radio Regulations, in particular on the basis of the report of the VGE, which will be submitted to administrations next year.

The second section relates to the preparation of decisions for the further improvement and development of various services, of which there is quite a long list for future conferences.

The third section covers organizational and technical problems relating to the practical work of the Sector as a whole and of the Radiocommunication Bureau in particular.

In conclusion, I should like to say that we are starting work under new conditions, having a wide range of tasks before us, for which we can draw on past experience and an excellent tradition of solving highly complicated problems. This presents us with great opportunities, which it is up to us to realize in practice. I am sure that through our joint efforts, and by seeking to arrive at an international consensus, we shall deal with the tasks before us successfully. It is with that hope that I once again thank you for the confidence you have placed in me, and I wish the Conference every success in its work.

ANNEX 2

Address by the Secretary-General

Mr. Chairman,
Excellencies,
Distinguished Delegates,
Ladies and Gentlemen,
Dear Friends,

Almost one year ago, in this same building in fact, in this same room, the Additional Plenipotentiary Conference gave birth to a new ITU - an ITU designed to respond to the changing telecommunications environment - an ITU with a new organization, a new mission, and a new sense of purpose.

As a result of the APP decisions, 1993 has been a year of historical firsts for the Union. In March, in Helsinki, we held the first ever ITU World Telecommunication Standardization Conference. Just last week - again, in this very same room - we opened the first ever ITU Radiocommunication Assembly. Please find in your pigeon-holes my lengthy opening speech of that Assembly, with reference to major challenges for the years to come. Today, it is the first ever ITU World Radiocommunication Conference. 1994 promises more of the same. Next March, in Buenos Aires, we will hold the first ever ITU World Telecommunication Development Conference. In September and October, in Kyoto, we will hold the first Plenipotentiary Conference with the new structures and functions set out in the Geneva Constitution and Convention.

With these new structures and functions already in place we must turn our attention to the real, strategic challenges facing the organization. When confronted with change, it is always easy to reorganize. Changing old habits and old working methods is often more difficult. But that is what we must do - and must do quickly. The ever changing telecommunication environment will not let us rest on our laurels for very long - particularly in radiocommunications, perhaps the most exciting, dynamic area in the whole field of telecommunications today.

It is a fact that international telecommunications are increasingly important for every sector of social and economic activity. Industry, transportation, education, medical care - all depend on good communications. And the speed of technological progress, particularly in space radiocommunications, continually confronts the international community with vast opportunities - as well as with ever more complex challenges.

In this environment of change, the RF spectrum, the geostationary-satellite orbit, and all the other orbits that are so much in the news these days, must be managed efficiently, effectively and dynamically, to protect the national and international interests of every country in the world, and to promote the global development of mankind.

In the five decades since its reconstitution in 1947, the modern ITU has made a very major contribution to the world community. Advances in radiocommunication technology and services have helped make Marshall McLuhan's prophecy of a "global village" a reality. However, the conquest of distance and time, and greater global intimacy have also increased the complexity of the challenges facing the Union. They have also increased the number of Member countries of the ITU in a dramatic manner. I can tell you some news. Last week everyone used the figure 181 when the number of Member administrations was discussed. On Friday, however, a new Member, the Principality of Andorra, acceded to the Nairobi Convention, thus becoming the 182nd Member of the Union. For those of you who do not know where Andorra is situated, I can tell you that it is situated in the Eastern Pyrenees, on the border between France and Spain. It has a total population of about 60 000, and the number of telephones is about 20 000, which is quite an impressive density.

Back to the Conference - there are a number of important issues that need urgent consideration - allocations below 3 GHz, the associated provisions for mobile-satellite service, feeder links, FPLMTS, the protection of the conventional terrestrial services, coordination procedures, and so on. The welfare of millions of people and the development prospects of large regions of the Earth will be directly affected by the decisions that are eventually taken on these matters - as will investment decisions worth billions of dollars. With so much at stake, you will have to carefully consider during the next five days which issues you want to discuss first, and hopefully agree on which should come second, third, and so on.

There is a second very important dimension to your work. An adequate regulatory framework is needed to cope with the growing impact of modern radiocommunication technology on the economic and social development of mankind. The present regulatory regime for terrestrial services is about 50 years old, and the one for space services has been in use for almost 30 years. These regimes are having difficulty coping with today's requirements; they are clearly inadequate for future needs. Through the work of the Voluntary Group of Experts, an important effort has been made to review, simplify and modernize the radiocommunication regulatory regime. The work is almost concluded, and the report of the VGE will form the basis for the very important discussions that will take place on this issue at the second World Radiocommunication Conference in 1995.

In conclusion - if you will permit me to use a musical metaphor - we should see this conference as an overture, to the next decade, and to the next century. Although you will not be asked to make substantive decisions on technical, operational or regulatory issues on this occasion, you will be asked to set the agendas for the 1995 and 1997 conferences. Proposals have also been made by some of you to look forward to 1999 and even further, beyond the year 2000. What you are asked to do in the next few days is certainly nothing less than to set the agenda for global radiocommunications, for this decade, and for the opening years of the twenty-first century. This is a very serious responsibility. I wish you well in your work.

ANNEX 3

Address by the Director of the Radiocommunication Bureau

Mr. Chairman,
Excellencies,
Ladies and Gentlemen,

We share a great privilege to participate in this first new World Radiocommunication Conference, embarking with ITU toward more effective leadership and coordination in global radiocommunications of the 1990's.

The first new Radiocommunication Assembly is completing its work today and tomorrow. Study Groups are very active in the study of future mobile communications, digital audio broadcasting, and advanced television systems. The Study Groups have also made much progress in their follow up of the Resolutions of WARC-92 on certain satellite questions. The work on methods for coordination and implementation of non-geostationary satellite systems foreseen by Resolution 46 should be completed to the extent required for the WRC-95. New inter-service frequency sharing criteria are being developed according to the requirements of Resolution 113 and also studies are well underway on the question of standards for operation of low-Earth orbiting satellite systems, in accordance with Resolution 70.

The Assembly, during the last week, has revised the ITU-R Study Group structure and prioritized work programme to meet the needs for radiocommunications development, certainly for the remainder of the 1990's. It has strongly reinforced preparation for World Radiocommunication Conferences and for new study of procedures in radio regulations. The new structure is to assist WRCs in their conduct of their work and their decisions. The situation should be seen as a break from the past, when Study Groups were constrained to suggest only a range of options even for technical matters, and the Conference started fresh on most issues. The new possibility is for the less formal Conference preparatory process to move difficult issues toward consensus, to draft for the Conference as far as possible. Preparations for the conference worldwide should have the opportunity to converge in this new forum. To be fully effective, participation in conference preparatory work should represent participation in the Conference itself.

The Radiocommunication Bureau has assumed its role in the new ITU. It carries out the processing and registration of frequency assignments, and other responsibilities of the former IFRB, the specialized support of ITU-R Study Group activities; and maritime mobile information services and administrative aspects of radio regulations, formerly handled by the General Secretariat. The Bureau has reviewed its work programme and recognized certain priorities within allocated resources. It is preparing a strategic plan to best support the responsibilities of the Radiocommunication Sector.

Processes for notification and coordination of space services have been speeded up. An active programme of assistance to administrations has included consultation in coordination of space networks, and a number of special regional seminars. Important beginnings have been made in electronic publication and exchange of information. The Bureau has assisted the Voluntary Group of Experts for Simplification of the Radio Regulations through suggestions and reviewing texts at their request.

The Radio Regulations Board has held three meetings, and is revising the former IFRB Rules of Procedure to assist the Bureau.

After this eight-month period of intense activity to launch the new Radiocommunication Sector, your Conference will set the direction for the future. I wish you every success.



PLENARY MEETING

Editorial Group of the Plenary

DRAFT RECOMMENDATION NO. XXX

**Convening of a Regional Radiocommunication Conference to Review
the Regional Agreement Concerning the Use by the Broadcasting
Service of Frequencies in the Medium Frequency Bands
in Regions 1 and 3 and in the Low Frequency Bands
in Region 1 (Geneva, 1975)**

The World Radiocommunication Conference (Geneva, 1993),
considering

- a) that the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (hereinafter referred to as "the Agreement") will remain in force beyond the date foreseen for its revision;
- b) that over a period of nearly 15 years substantial modifications have been made to the Geneva 1975 Plan following the application of Article 4 of the Agreement;
- c) that the geopolitical map in Regions 1 and 3 has undergone significant changes requiring means to resolve unforeseen problems in parts of these Regions;
- d) that the procedure of Article 4 of the Agreement may need to be reviewed in the light of the simplifications of the Radio Regulations that may be adopted by the World Radio Conference following the consideration of the VGE Report;

invites the Council

- 1. to consider convening a regional radiocommunication conference with the following agenda:
 - to revise Article 4 of the Geneva 1975 Agreement on MF Broadcasting with the view to bring in line the procedure of modification of the Plan with the standard procedure recommended by the VGE as it may be modified by 1995 World Radiocommunication Conference and to adopt any additional provisions that may assist countries in resolving local problems without affecting assignments in the Plan except with the agreement of the countries concerned;
- 2. to plan this Conference at an appropriate date following consultations of the administrations concerned.



PLENARY MEETING

DECLARATIONS

At the time of signing the Final Acts of the World Radiocommunication Conference (Geneva, 1993), the undersigned delegates take note of the following declarations made by signatory delegations:

1

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 as it may deem necessary to safeguard its interests should other Members fail to comply with the provisions of the Final Acts of the World Radiocommunication Conference (Geneva, 1993), or should reservations entered by other countries be such as to jeopardize the operation of its telecommunication services.

2

Original: English

For Malaysia:

In signing these Final Acts, the Delegation of Malaysia hereby:

1. reserves for its Government the right to take such action as it may deem necessary to safeguard its interests should certain Members fail in any way to comply with the requirements of these Final Acts, or should the reservations by other Members jeopardize its telecommunication service;

2. declares that the signature, and possible subsequent ratification by the Government of Malaysia of the said Final Acts, is not valid with respect to the Member appearing under the name of Israel, and in no way implies its recognition.

3

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 the World Radiocommunication Conference (Geneva, 1993), or by failure on the part of any other country or administration in any way to comply with the requirements of the International Telecommunication Convention (Nairobi, 1982) or its annexes or the protocols or the 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.

4

Original: English

For Turkey:

In signing the Final Acts of the first World Radiocommunication Conference (Geneva, 1993), the Delegation of the Republic 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, should any Member fail in any way to comply with the Final Acts, its 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.

5

Original: English

For the Republic of Singapore:

The Delegation of the Republic of Singapore reserves for its Government the right to take such 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, 1993) or should reservations by any Member of the Union jeopardize its radiocommunication services or affect its sovereignty.

The Delegation of the Republic of Singapore further reserves for its Government the right to make such additional reservations which it considers necessary up to and including the time of ratification of the above-mentioned Final Acts.

6

Original: English

For the Republic of Zimbabwe:

The Delegation of the Republic of Zimbabwe, considering the approved proposed agenda by this Conference to WRC-95, notes that some issues decided upon at the WARC-92 are being revisited without, in our opinion, a good basis for doing so.

The Government of the Republic of Zimbabwe therefore reserves the right to take any action it deems necessary and/or appropriate to protect its telecommunication and/or broadcasting services in the event that the issues discussed at WRC-95 should cause harmful interference.

7

Original: English

For the United Arab Emirates:

The United Arab Emirates does not agree to any modification of the provisions of the Final Acts of the Geneva 1975 LF/MF Regions 1 and 3 and the United Arab Emirates reserves its position in this regard.

8

Original: French

For the Republic of Côte d'Ivoire:

In signing the Final Acts of this Conference, the Delegation of the Republic of Côte d'Ivoire reserves for its Government the right to approve them and to take any action it considers necessary to safeguard its interests at the future World Radiocommunication Conferences of 1995 and 1997.

9

Original: French

For the Rwandese Republic:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1993), the Delegation of the Rwandese Republic declares that its Government reserves the right to accept or reject all or part of what its delegates have been led to accept or sign, particularly if it became evident that certain provisions could jeopardize the proper operation of its telecommunication network.

10

Original: French

For the Republic of Cameroon:

In signing the Final Acts of this Conference, the Delegation of the Republic of Cameroon to the World Radiocommunication Conference (Geneva, 1993), reserves for its Government the right to take any action it deems necessary to safeguard its legitimate interests, should these be jeopardized through the failure by any Member of the International Telecommunication Union to comply with the provisions of these Final Acts or of the Radio Regulations, and to express reservations regarding any provisions not compatible with its laws and regulations.

11

Original: French

For the Republic of Niger:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1993), convened to make recommendations to the Council concerning the agenda for the WRC-95 and the preliminary agenda for the WRC-97, the Delegation of the Republic of Niger reserves for its Government the right to take any action it considers necessary to safeguard its interests should they be jeopardized by any decision taken at this Conference or should any other country or administration fail in any way to comply with the provisions of these Final Acts or enter reservations that might affect or jeopardize the proper operation of its telecommunication services or the full exercise of its sovereign rights.

12

Original: French

For the Togolese Republic:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1993), convened to make recommendations to the Council concerning the agenda of the WRC-95 and the preliminary agenda of the WRC-97, the Delegation of the Togolese Republic 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 provisions of these Final Acts, or should reservations entered by other countries jeopardize the proper operation of its telecommunications services.

13

Original: English

For the People's Democratic Republic of Algeria, the Kingdom of Saudi Arabia, the State of Bahrain, the United Arab Emirates, the Islamic Republic of Iran, the State of Kuwait, Lebanon, the Kingdom of Morocco, the Sultanate of Oman, the Islamic Republic of Pakistan, the Syrian Arab Republic, Tunisia, the Republic of Yemen:

The above-mentioned Delegations to the World Radiocommunication Conference (Geneva, 1993), declare that the signature and possible ratification of their respective Governments of the Final Acts of the Conference, are not valid with respect to the Zionist-Entity appearing in the International Telecommunication Constitution and Convention (Geneva, 1992) under the name of the so-called "Israel" and in no way whatsoever imply its recognition.

14

Original: French

For the People's Democratic Republic of Algeria:

The Delegation of the People's Democratic Republic of Algeria to the World Radiocommunication Conference (Geneva, 1993), reserves for its Government the right to take any measures it considers necessary to protect its interests should certain Members fail to comply with these Final Acts.

15

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, in accordance with the country's constitution, to safeguard its interests.

16

Original: English

For the Union of Myanmar:

The Delegation of the Union of Myanmar declares that it reserves for its Government the right to make whatever reservations it shall deem appropriate in respect of any text in the Final Acts and Annexes attached thereto, of the World Radiocommunication Conference (Geneva, 1993) which may directly or indirectly affect its sovereignty and interests.

17

Original: English

For the Kingdom of Saudi Arabia:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1993), the Delegation of the Kingdom of Saudi Arabia reserves its Government's right to take any measures it deems necessary to safeguard its interests should any Resolutions and Recommendations adopted by the above-mentioned Conference jeopardize in any way the radiocommunication services of the Kingdom of Saudi Arabia.

18

Original: English

For the Republic of India:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1993), 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.

19

Original: English

For the United States of America:

The United States worked closely with other administrations to reach a reasonable compromise among all interests at WRC-93. Based upon the legal views expressed in the closing minutes, the United States is uncertain as to the affect of the WRC-93 Recommendation. The United States chose not to block consensus in order to ensure a successful and timely conclusion to WRC-93. The United States understands that there is nothing stated in the WRC-93 Recommendation that would presently or in the future prejudice its options to implement mobile-satellite networks in accordance with the Radio Regulations.

INTERNATIONAL TELECOMMUNICATION UNION

**WRC-93**WORLD RADIOCOMMUNICATION
CONFERENCEDocument 58-E
18 November 1993

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

B.3

THIRD SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETING

The following texts concerning outstanding items of Resolutions Nos. COM 4/1 and COM 4/2 are submitted to the Plenary Meeting for first reading:

<u>Source</u>	<u>Document</u>	<u>Title</u>
COM 4	45 (+Add.2)	Resolution No. COM 4/1 relating to the Agenda for the 1995 World Radiocommunication Conference
COM 4	46	Resolution No. COM 4/2 relating to the Preliminary Agenda for the 1997 World Radiocommunication Conference

Anne-Marie Nebes
Chairwoman of Committee 5

Annex: 1 page

Please find hereunder the new version of §§ 2.1 and 3 of Resolution No. COM 4/1.

**Resolution No. COM 4/1 relating to the
Agenda for the 1995 World Radiocommunication Conference**

2.1 with a view to facilitating the use of frequency bands allocated to the mobile-satellite services and with due regard to existing services to which the frequency spectrum to be considered by the Conference is also allocated:

- [a) review the frequency bands allocated below 3 GHz to mobile-satellite services and the associated provisions including resolutions and recommendations;]
- b) review the date of entry into force of allocations in the bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in Regions 1 and 3 and the bands 1 970 - 2 010 MHz and 2 160 - 2 200 MHz in Region 2;
- c) consider allocations and regulatory aspects for feeder links for the mobile-satellite services taking account of the interference that may be caused to satellite systems in the geostationary-satellite orbit;

3. to consider the following items, taking into account the work carried out by the study groups and the Conference Preparatory Meeting of the Radiocommunication Sector, with a view to WRC-97 taking action, as appropriate:

- a) Appendices 30 and 30A to the Radio Regulations for Regions 1 and 3, taking particular account of resolves 2 of Resolution No. 524 (WARC-92) and with due regard to the advantage of taking into account, where practicable, the orbital arcs of Appendix 30B;
- b) Resolution No. 712 (WARC-92);
- c) the availability of the newly allocated HFBC bands;
- [d) requirements for the MSS and associated feeder links and where necessary, adopt in 1995 limited allocations.]

Please find hereunder the new version of §§ 3.2.1, 3.3 and 3.7 of Resolution No. COM 4/2.

**Resolution No. COM 4/2 relating to the
Preliminary Agenda for the 1997 World Radiocommunication Conference**

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

3.3 examination of, and taking necessary decisions on, the question of 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;

3.7 review and revision as necessary of Appendices 30 and 30A for Regions 1 and 3, taking particular account of resolves 2 of Resolution No. 524 (WARC-92);



SUMMARY RECORD
OF THE
FIRST MEETING OF COMMITTEE 2
(CREDENTIALS)

Tuesday, 16 November 1993, at 1000 hours

Chairman: Mr. B. AGNAN (Benin)

Subjects discussed

Documents

1.	Terms of reference of the Committee	37
2.	Organization of work	-
3.	Transfer of powers	-
4.	Submission of credentials	-

1. Terms of reference of the Committee (Document 37)

1.1 The Chairman drew attention to the terms of reference of the Committee approved by the first Plenary Meeting and set out in Document 37.

1.2 The Committee took note of its terms of reference.

2. Organization of work

2.1 The Chairman suggested that a working group should be set up to check the credentials, consisting of himself, the Vice-Chairman and a small number of delegates who were willing to participate. He requested those countries wishing to be represented on the working group to inform the Secretary at the end of the meeting.

2.2 The Committee approved the setting up of a Working Group.

3. Transfer of powers

3.1 The Secretary of the Committee said that a document had been received from Liechtenstein, giving Switzerland powers to vote and sign on its behalf.

3.2 The transfer of powers from Liechtenstein to Switzerland was approved.

4. Submission of credentials

4.1 The Secretary of the Committee announced that the Secretariat had so far received credentials from 75 of the 118 Members of the Union present at the Conference. He invited other Member States to submit their credentials as soon as possible.

The meeting rose at 1015 hours.

The Secretary:

X. ESCOFET

The Chairman:

B. AGNAN



COMMITTEE 3

SUMMARY RECORD
OF THE
FIRST MEETING OF COMMITTEE 3
(BUDGET CONTROL)

Tuesday, 16 November 1993, at 0905 hours

Chairman: Mr. G. KITHINJI (Kenya)

Subjects discussed:

Documents

1.	Structure and organization of the work of the Committee	37
2.	Financial responsibilities of conferences	14
3.	Budget of the World Radiocommunication Conference	12
4.	Contribution of entities and organizations to the expenses of the Conference	13
5.	Situation of the accounts of the World Radiocommunication Conference at 15 November 1993	18

1. Structure and organization of the work of the Committee (Document 37)

1.1 The Chairman opened the first meeting of Committee 3 and drew attention to its terms of reference, set out in Document 37.

1.2 The Committee took note of its terms of reference.

2. Financial responsibilities of conferences (Document 14)

2.1 The Chairman drew attention to the provisions of Article 34 of the Convention (Geneva, 1992), which applied provisionally as from 1 March 1993 to the new structure and working methods of the Union, pursuant to APP-92 Resolution 1.

2.2 The Committee took note of Document 14.

3. Budget of the World Radiocommunication Conference (Document 12)

3.1 The Secretary of the Committee, introducing Document 12, drew attention to the credit of 1 580 000 Swiss francs provisionally entered in the 1993 budget by the Council at its 47th session in 1992, for the convening of the first World Radiocommunication Conference. As could be seen from the document, that amount comprised 1 026 000 Swiss francs for the Radiocommunication Assembly and 554 000 Swiss francs for the World Radiocommunication Conference.

3.2 The Committee took note of Document 12.

4. Contributions of entities and organizations to the expenses of the Conference (Document 13)

4.1 The Secretary of the Committee, introducing Document 13, drew attention to the penultimate paragraph, which stated that the contributory unit for non-exempt entities and organizations amounted to 1 480 Swiss francs. The organizations and entities participating would be listed in Committee 3's report to the Plenary.

4.2 Replying to a question by the observer for CEPT, he said that the Committee would list in its report those organizations which, under No. 476 of the Convention, had been exempted pursuant to Council Resolution No. 925. In response to a further question by the delegate of Italy, he said that the list would also include entities and organizations which contributed to the expenses of the Conference, provided that the requisite information was received in time; those bodies had been requested to notify their choice of class of contribution by 1200 hours on 17 November so that Committee 3 could complete its report on time.

4.3 The Committee took note of Document 13.

5. Situation of the accounts of the World Radiocommunication Conference at 15 November 1993 (Document 18)

5.1 The Secretary of the Committee, introducing Document 18, pointed out that compared with the budget approved by the Council and adjusted to 1 November 1993, there was a provisional margin of approximately 90 000 Swiss francs. Since no further information would be forthcoming before the next meeting, it was not intended to revise the estimates. The Chairman of Committee 4 had been requested to indicate, in time for Committee 3's next meeting, any financial implications of the decisions being prepared by his Committee, additional to the expenses already foreseen in the Union's budget. Replying to a question by the delegate of the United States, he said that pending receipt of such information he could not say whether there would be any expenditure over and above

that relating to preparations for a Conference in Geneva in 1995. Any information not received in time for inclusion in Committee 3's report would be transmitted to the Plenary.

The meeting rose at 0920 hours.

The Secretary:
A. TAZI-RIFFI

The Chairman:
G. KITHINJI



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 61-E
15 November 1993
Original: English

COMMITTEE 4

SUMMARY RECORD
OF THE
FIRST MEETING OF COMMITTEE 4
(AGENDA)

Monday, 15 November 1993, at 1620 hours

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed

Documents

1. Structure and organization of the work of the Committee

DT/1

1. Structure and organization of the work of the Committee (Document DT/1)

1.1 The Chairman, introducing Document DT/1, announced several proposals which should be added to those listed in its annexes. Referring briefly to the terms of reference established for the Committee by the Plenary in Document 37, he suggested that two working groups, to be called 4A and 4B, should be set up to prepare draft agendas for the 1995 and 1997 WRCs respectively, on the basis of Annexes 1 and 2 to Document DT/1.

1.2 The delegate of Japan, supported by the delegates of Italy, Australia, China and France, said that to establish two working groups which would presumably meet in parallel might result in certain items being included in, or left out of, both agendas. If working groups were set up, it would be preferable to divide the work between them according to the different subjects to be discussed by the WRCs.

1.3 The delegate of Syria observed that some countries were represented by one delegate only, who would be unable to attend the meetings of both working groups if they were held in parallel. The delegate of Kenya, supporting those comments, said that since some subjects were to be dealt with by both WRCs, proposals should be introduced at full Committee meetings before being referred to a working group. The delegate of Saudi Arabia endorsed that approach, and said that meetings should be held in parallel as seldom as possible. The delegate of Mexico also favoured that approach, which would make it easier to identify potential difficulties and to ascertain how the Committee could best proceed with its work.

1.4 The delegate of Côte d'Ivoire, referring to the logistical problems of holding parallel working group meetings, suggested that consideration might be given to setting up drafting groups to work on the agendas.

1.5 The delegate of Sweden said that he favoured the Chairman's suggestion, which would provide a full picture of each Conference and help to ensure that the subject matter was evenly distributed between the two. However, the working groups should not meet in parallel, and care should be taken neither to omit nor to duplicate agenda items. The delegate of Russia supported that view, providing the work was suitably coordinated by the Chairman of the Committee. The only alternative appeared to be for all items to be considered by the Committee as a whole.

1.6 The Chairman, while acknowledging the relevance of all the previous speakers' comments, said that very careful consideration had been given by the Chairman of the Conference, himself and the ITU Secretariat to all the possible approaches the Committee might take in order to complete its work on time. The establishment of two working groups had appeared to be, and in his view still was, the best option. He therefore maintained his proposal on the understanding that parallel meetings, although inevitable, would be kept to a minimum and that he would coordinate the work of the two groups in order to avoid any duplication or omission and to ensure that the interests of all countries were safeguarded by having matters referred to the Committee as and when necessary.

1.7 The delegate of Norway, supported by the delegate of the United States, said that he shared many of the concerns expressed by earlier speakers; however his fears were allayed to some extent by his conviction that relatively few of the proposals submitted would necessitate coordination between the two groups. In the light of the explanations given by the Chairman, he was prepared to support the latter's proposal on the understanding that at midday the next day the Chairmen of the Committee and the two working groups would review the situation and that the Committee as such would have an early opportunity to rectify any errors made by the groups.

1.8 The delegates of Cuba and Lebanon said that although they were members of small delegations they could support the Chairman's proposal, with the provisos spelt out by the Norwegian delegate.

1.9 On that understanding, it was agreed to set up Working Groups 4A and 4B.

1.10 The Chairman proposed that Working Group 4A, to be chaired by Mr. Broere of the Netherlands, should consider the proposals submitted to the Conference with a view to developing a draft Resolution addressed to the Council, containing a recommendation in respect of the agenda of the 1995 WRC. Working Group 4B, to be chaired by Mr. Brown of Mexico, would consider the proposals submitted to the Conference with a view to developing a draft Resolution containing a recommendation in respect of the agenda of the 1997 WRC. Working Group 4B's terms of reference did not mention the Council, since the 1995 WRC might review the arrangements made for 1997. Mr. K. Arasteh and Mr. T. Gavrilov from the Conference Secretariat were designated to serve as Secretaries of the respective Working Groups.

1.11 It was so agreed.

1.12 In reply to questions by the delegates of Saudi Arabia, Lebanon, Italy and Syria, the Chairman gave the following clarifications concerning the work of the Working Groups and the Committee. Document 1(Rev.1) containing Council Resolution No. 1032 would be referred to both Working Groups. Documents containing proposals for 1999 and thereafter would be referred to the Plenary, together with Annex 3 to Document DT/1. Annex 2 to the same document contained a number of proposals described as items for 1999/2001, which might have to be carried over to WRCs beyond 1997. Certain proposals might be incorrectly placed in the different annexes to Document DT/1; if so, the Secretariat would make the necessary corrections. In reply to comments by the delegates of Japan, Spain, Kenya and Lebanon, he confirmed that the Committee would have an opportunity to consider all the documents allocated to it by the Plenary.

1.13 The Chairman of the Conference observed that certain difficulties arose from the fact that the allocation of documents adopted by the first Plenary Meeting on the basis of Document DT/4(Rev.1) was not identical to that given in Document DT/1. The latter document would be aligned with the former in order to avoid any misunderstanding.

The meeting rose at 1725 hours.

The Secretary:
G. KOVACS

The Chairman:
S. PINHEIRO



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 62-E
18 November 1993
Original: English

COMMITTEE 5

SUMMARY RECORD
OF THE
FIRST MEETING OF COMMITTEE 5
(EDITORIAL)

Tuesday, 16 November 1993, at 0945 hours

Chairman: Mrs. A-M. NEBES (France)

Subjects discussed:

1. Objectives of the Editorial Committee
2. Working methods

Documents

-
-

1. Objectives of the Editorial Committee

1.1 The Chairman read out No. 362 of the International Telecommunication Convention (Geneva, 1992) and reminded delegates that their task required them not to alter the meaning of texts.

1.2 The Committee took note of its terms of reference.

2. Working methods

2.1 The Chairman said that simultaneous interpretation would be provided only for the first meeting. Thereafter, the texts would be read in French which was the reference language. The pigeon-holes would be used to inform the delegates concerned of the date and time of subsequent meetings.

The meeting rose at 0950 hours.

The Secretary:
B. VEROVE

The Chairman:
A-M. NEBES



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 63-E
18 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

Note by the Chairman of the Conference

I hereby propose to submit the following text for the Final Acts of the Conference:

The Additional Plenipotentiary Conference of the International Telecommunication Union (Geneva, 1992), in its Resolution 9, resolved that a World Radiocommunication Conference (WRC-93) should be convened in 1993 to make recommendations to the Council concerning the agenda for the 1995 World Radiocommunication Conference, including the review of the Radio Regulations based on the report of the Voluntary Group of Experts and any guidance on facilitating the use of frequency bands allocated to the mobile-satellite service, by recommending the inclusion of these matters in the agenda of the 1995 World Radiocommunication Conference, and to make recommendations for the preliminary agenda for the 1997 World Radiocommunication Conference.

The Administrative Council of the Union, at its session in 1992, adopted Resolution No. 1032, in which it resolved that the WRC-93 should be held in Geneva from 15 to 19 November 1993 inclusive and established the agenda of the Conference.

In accordance with that Resolution of the Administrative Council, the World Radiocommunication Conference convened in Geneva during the period referred to above and adopted the [Resolutions/Recommendations] contained in the present Final Acts.

V.V. TIMOFEEV
Chairman



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 64-E
18 November 1993
Original: English

COMMITTEE 5

TEXTS FROM COMMITTEE 4
TO THE EDITORIAL COMMITTEE

The texts mentioned in Documents 45 (+ Add.1 + Add.2) and 46 (+ Corr. 1) such as modified and approved by Committee 4 have been submitted to the Editorial Committee, for review and submission to the Plenary Meeting.

S. PINHEIRO
Chairman of Committee 4



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93WORLD RADIOCOMMUNICATION
CONFERENCEDocument 65-E
18 November 1993

GENEVA, 15-19 NOVEMBER 1993

R.1

PLENARY MEETINGFIRST SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following text is submitted to the Plenary Meeting for second reading:

<u>Source</u>	<u>Document</u>	<u>Title</u>
COM4	53	Resolution No. COM4/1

ANNE-MARIE NEBES
Chairwoman of Committee 5Annex: 2 pages

**Resolution No. [COM4/1] Relating to the Agenda for the
1995 World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) Resolutions 8 and 9 of the Additional Plenipotentiary Conference, (Geneva, 1992);
- b) Article 13 of the Constitution (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;
- d) the recent technological advances in the field of broadcasting,

recognizing

- a) that the work of the Voluntary Group of Experts (VGE) should be considered and implemented as quickly as possible, to ensure that future decisions of the Radiocommunication Sector are made within the framework of any new substance, structure or arrangement of the Radio Regulations;
- b) that activities related to implementation of the decisions of the World Administrative Radio Conference (Malaga-Torremolinos, 1992) concerning the mobile-satellite service (MSS) indicate that some of those decisions may require further consideration;
- c) that the provision of feeder links is an integral aspect of facilitating the use of the frequency bands allocated to the MSS,

recognizing further

- a) that there are a limited number of other issues which can be considered at the 1995 World Radiocommunication Conference (WRC-95) without affecting consideration of VGE and MSS issues;
- b) the need to maintain and protect other services to which the frequency bands to be considered by WRC-95 are also allocated,

resolves

to recommend to the Council that a world radiocommunication conference be held in Geneva in late 1995 for a period of four weeks, with the following agenda:

1. to review the final report of the VGE, and to consider related proposals from administrations, in order to undertake, as appropriate, a revision of the Radio Regulations and to provide a timetable for the implementation of outstanding recommended actions;

2. on the basis of proposals by administrations and the report from the Conference Preparatory Meeting:

[2.1]

2.2 to consider power limits for earth stations in the Earth exploration-satellite, space research, and space operation services in the band 2 025 - 2 110 MHz;

2.3 to review Resolution No. 112 in the light of the results of studies carried out in application of that Resolution and take appropriate action;

[3.]

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 No. 94 (WARC-92), to review those resolutions and recommendations of world administrative radio conferences which are relevant to **resolves** 1 to 4 above with a view to their possible revision, replacement or abrogation;

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

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

6.2 to recommend to the Council the agenda for the 1997 World Radiocommunication Conference, and to give its views on the preliminary agenda for the 1999 Conference and on possible agenda items for future conferences;

6.3 to identify those items requiring priority action by the radiocommunication study groups,

invites administrations

when preparing and submitting their proposals to WRC-95 relating to the simplification of the Radio Regulations or to matters relating to the agenda contained in this Resolution, to base them as far as practicable on the recommended texts in the final report of the VGE,

instructs the Director of the Radiocommunication Bureau

to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting in accordance with decisions of the Radiocommunication Assembly, (Geneva, 1993), and to prepare a report to WRC-95,

invites the Council

to establish the agenda and make provision for WRC-95 and to initiate as soon as possible the necessary consultation with Members,

instructs the Secretary-General

to communicate this Resolution to concerned international and regional organizations.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93WORLD RADIOCOMMUNICATION
CONFERENCEDocument 66-E
18 November 1993

GENEVA, 15-19 NOVEMBER 1993

R.2

PLENARY MEETINGSECOND SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following text is submitted to the Plenary Meeting for second reading:

<u>Source</u>	<u>Document</u>	<u>Title</u>
COM4	54	Resolution No. COM4/2

ANNE-MARIE NEBES
Chairwoman of Committee 5Annex: 2 pages

**Resolution No. [COM4/2] Relating to the Preliminary Agenda for the
1997 World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 1993),

considering

that in accordance with Nos. 118 and 126 of the Convention (Geneva, 1992) and having regard to Resolution 1 of the Additional Plenipotentiary Conference (Geneva, 1992), the general scope of the agenda for the 1997 World Radiocommunication Conference (WRC-97) should be established four years in advance,

considering further

- a) Resolution 9 of the Additional Plenipotentiary Conference (Geneva, 1992);
- b) Article 13 of the Constitution (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,

resolves to give the view

that the following items should be included in the preliminary agenda of WRC-97, to be held in late 1997:

- 1. to take appropriate action in respect of those urgent issues that were specifically requested by the 1995 World Radiocommunication Conference (WRC-95);
- 2. to consider and take appropriate action in respect of the topics referred to in the following resolutions and recommendations:
 - 2.1 Resolutions Nos. 60 (WARC-79), 211 (WARC-92), 710 (WARC-92) and 712 (WARC-92);
 - 2.2 Recommendations Nos. 66(Rev. WARC-92), 621 (WARC-92), 711 (WARC-92) and 715 (Orb-88);
- 3. based on proposals by Members of the Union, and taking account of the results of WRC-95, to review and, where necessary, revise the provisions of the Radio Regulations with respect to the following topics:
 - [3.1 consider the review of unresolved and other pressing issues concerning frequency allocations and regulatory aspects as related to the mobile-satellite services, including allocations for feeder links for mobile-satellite services as appropriate;]
 - 3.2 other frequency allocation issues for the space services which are not covered in the above-mentioned Resolutions, as follows:
 - 3.2.1 allocation of frequency bands above 50 GHz to the Earth exploration-satellite (passive) service;

3.2.2 frequency allocations and associated provisions for the band 399.9 - 400.05 MHz;

[3.3]

3.4 consideration of the possible deletion of all secondary and permitted allocations from the band 136 - 137 MHz, which is allocated to the aeronautical mobile (R) service on a primary basis, in accordance with Resolution No. 408 (Mob-87) and in order to meet the special needs of the aeronautical mobile (R) service;

3.5 the provisions of Chapters IX and N IX, as stipulated in Resolution No. 331 (Mob-87) and appropriate action in respect of the issues dealt with in Resolutions Nos. 200 (Mob-87), 210 (Mob-87) and 330 (Mob-87) taking into account that the global maritime distress and safety system (GMDSS) shall be fully implemented in 1999;

3.6 the following matters related to the maritime mobile and maritime mobile-satellite services:

3.6.1 the use of the Appendix 18 VHF frequency band for maritime mobile communications;

3.6.2 Article 61 relating to the order of priority of communications in the maritime mobile service and in the maritime mobile-satellite service;

[3.7]

4. to consider the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since the last Conference;

5. to recommend to the Council items for inclusion in the agenda of the 1999 World Radiocommunication Conference and give its views on the preliminary agenda for the 2001 World Radiocommunication Conference;

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

7. in accordance with Resolution No. 94 (WARC-92), to review those resolutions and recommendations of world administrative radio conferences which are relevant to **resolves** 1 to 6 above with a view to their possible revision, replacement or abrogation,

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,

invites the Council

to consider the views given in this Resolution,

instructs the Secretary-General

1. to communicate this Resolution to WRC-95;

2. to communicate this Resolution to concerned international and regional organizations.

INTERNATIONAL TELECOMMUNICATION UNION

**WRC-93**WORLD RADIOCOMMUNICATION
CONFERENCEDocument 67-E
18 November 1993GENEVA, 15-19 NOVEMBER 1993

B.4

PLENARY MEETINGFOURTH SERIES OF TEXTS SUBMITTED BY THE
EDITORIAL COMMITTEE TO THE PLENARY MEETINGThe following text is submitted to the Plenary Meeting for first reading.

<u>Source</u>	<u>Document</u>	<u>Title</u>
COM4	56	Recommendation No. XXX

ANNE-MARIE NEBES
Chairwoman of Committee 5Annex: 1 page

Recommendation No. [XXX]

**Convening of a Regional Radiocommunication Conference to Review
the Regional Agreement Concerning the Use by the Broadcasting
Service of Frequencies in the Medium Frequency Bands
in Regions 1 and 3 and in the Low Frequency Bands
in Region 1 (Geneva, 1975)**

The World Radiocommunication Conference (Geneva, 1993),

considering

- a) that the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (hereinafter referred to as "the Agreement") will remain in force beyond the date foreseen for its revision;
- b) that over a period of nearly 15 years substantial modifications have been made to the Geneva 1975 Plan following the application of Article 4 of the Agreement;
- c) that the geopolitical map in Regions 1 and 3 has undergone significant changes, requiring means to resolve unforeseen problems in parts of those Regions;
- d) that the procedure of Article 4 of the Agreement may need to be reviewed in the light of the simplifications of the Radio Regulations that may be adopted by the world radio conference following consideration of the report of the Voluntary Group of Experts (VGE);

recommends the Council

- 1. to consider convening a regional radiocommunication conference with the following agenda:
 - to revise Article 4 of the Agreement, on MF Broadcasting, taking account of the decisions of the 1995 World Radiocommunication Conference related to the recommendations of the VGE and to adopt any additional provisions that may assist countries in resolving local problems without affecting assignments in the Plan, except with the agreement of the countries concerned;
- 2. to plan this Conference at an appropriate date following consultation of the administrations concerned.



PLENARY MEETING

ADDITIONAL DECLARATIONS

20

Original: English

For the Socialist Republic of Viet Nam:

After having considered the Declarations contained in Document 57, the Delegation of the Socialist Republic of Viet Nam declares on behalf of its Government that it maintains the reservations made at the Nairobi Plenipotentiary Conference (1982), the Nice Plenipotentiary Conference (1989) and the Additional Plenipotentiary Conference (1992) of the International Telecommunication Union.

21

Original: Spanish

For Ecuador:

Having duly noted the Declarations contained in Document 57 of this Conference, the Delegation of Ecuador states on behalf of its Government that it has at all times endeavoured to reach a consensus in the work of WRC-93; nevertheless, it considers that Resolution No. [COM 4/1] and Recommendation No. [PL/2] do not adequately safeguard its interests, particularly those relating to the need to protect the other services sharing the radio spectrum with the MSS.

Therefore, in signing the Final Acts, the Delegation of Ecuador reserves for its Government the right to take whatever measures it considers necessary should any action on the part of other countries be prejudicial in any way to the interests of Ecuador.

Original: English

For the State of Israel:

1. The Declaration made by certain Delegations in No. 13 of the Final Acts being in flagrant contradiction with the principles and purposes of the International Telecommunication Union is therefore, devoid of any legal validity.

The Government of Israel wishes to put on record that it rejects outright these Declarations which politicize and undermine the work of the ITU. The Delegation of Israel will proceed on the assumption that they have no bearing whatsoever with respect to the rights and duties of any Member State of the International Telecommunication Union.

Furthermore, in view of the fact that Israel and many Arab States are currently in the midst of negotiations on a solution to the Arab-Israeli conflict, the Delegation of Israel finds the Arab Declaration counterproductive and damaging to the cause of peace in the Middle East.

The Delegation of Israel will, in so far as concerns the substance of the matter, adopt towards the Members whose Delegations have made the above-mentioned Declaration, an attitude of complete reciprocity.

The Delegation of Israel further notes that Declaration No. 13, contrary to ITU procedures, does not refer to the State of Israel by its full and correct name. As such it introduces to the professional work of the Conference inadmissible elements of discord and enmity, and must be repudiated as a grave violation of recognized rules and norms of international behaviour.

2. Furthermore, after noting various other Declarations already deposited, the Delegation of Israel reserves for its Government the right to take any action it deems necessary to protect its interests and to safeguard the operation of its telecommunication services should they be affected by the decisions of this Conference or by the reservations made by other Delegations.

Original: English

For the United Republic of Tanzania:

In view of the Declaration made by some Administrations in Document 57 in support of the full implementation of the Final Acts of the World Radiocommunication Conference (Geneva, 1993), the Tanzania Delegation hereby reserves for its Government the right to take such action as it may deem necessary to safeguard its interests should the requirements of these Acts jeopardize or interfere with its telecommunications services or broadcasting services.

24

Original: English

For the Republic of Indonesia:

Having noted Document 57 of the World Radiocommunication Conference (Geneva, 1993), the Delegation of the Republic of Indonesia to the Conference would like to submit its reservation to the Final Acts of the Conference, as follows:

On behalf of the Republic of Indonesia, the Delegation of the Republic of Indonesia to the World Radiocommunication Conference of the International Telecommunication Union (Geneva, 1993):

reserves the right for its Government to take any action and preservation measures it deems necessary to safeguard its national interest should the Final Acts drawn up in this Conference directly or indirectly affect its sovereignty or be a contravention of the Constitution, Laws and Regulations of the Republic of Indonesia as well as existing rights required by the Republic of Indonesia as a party to the other treaties and/or conventions and from any principles of international law.

25

Original: English

For the People's Republic of Bangladesh:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 1993), (WRC-93) and with reference to No. 19 of Document 57 the Delegation of the People's Republic of Bangladesh reserves the right of its Government to take any measures it deems necessary to safeguard its interests should any Resolution and Recommendation adopted by the Conference (WRC-93) hamper in any way the radiocommunication services of Bangladesh.

26

Original: English

For the Democratic People's Republic of Korea:

In view of the Declarations made by some Administrations in Document 57 in support of the full implementation of the Final Acts of the World Radiocommunication Conference (Geneva, 1993), the Delegation of the Democratic People's Republic of Korea reserves for its Government the right to take such action which it considers necessary to safeguard its interests should any decision of the World Radiocommunication Conference (Geneva, 1993) and any reservations made by any country jeopardize its radiocommunication services or affect its sovereignty.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 69-E
17 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

SUMMARY RECORD

OF THE

SECOND MEETING OF COMMITTEE 4

(AGENDA)

Wednesday, 17 November 1993, at 1400 hours

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed

1. Review of Resolutions and Recommendations
2. Draft agenda of WRC-95

Documents

3, 6, 32
45 + Add.1 + 2

1. Review of Resolutions and Recommendations (Documents 3, 6, 32)

1.1 The Chairman introduced Documents 3 and 6, which had been referred to the Committee for information.

1.2 The delegate of Japan introduced Document 32, which had been prepared in the light of Resolution No. 94 (WARC-92) and contained a review of certain Resolutions and Recommendations of the Radio Regulations, indicating what action should be taken on them by future WRCs, in particular those to be held in 1995 and 1997.

1.3 The delegate of Spain, supported by the delegate of France, commended the Japanese Administration for having produced such a useful document. However, they could not agree to the deletion, by either WRC-95 or WRC-97, of Resolutions Nos. 61, 107 or 109 and Recommendations Nos. 704 or 714.

1.4 The Director of the Radiocommunication Bureau also thanked the Japanese Administration for preparing the document, against which the Bureau would be able to cross-check its own review.

1.5 The Committee took note of Documents 3, 6 and 32.

2. Draft agenda of WRC-95 (Document 45 and Addenda 1 and 2)

2.1 The Chairman of Working Group 4A, introducing Document 45 and its two addenda, said that the Working Group had held three meetings at which, respectively, the proposals referred to the Working Group had been introduced, a consolidated working document containing all the proposals had been discussed, and the draft Resolution on the WRC-95 agenda had been prepared. Unfortunately it had not been possible for the Group to complete all its work, and he had been made responsible for putting the final touches to certain parts of the draft Resolution.

2.2 The Chairman, having thanked the Chairman and members of Working Group 4A, invited the Committee to consider the draft Resolution contained in the Annex and Addenda 1 and 2 to Document 45.

2.3 The delegate of Saudi Arabia having withdrawn his reservation concerning **recognizing g)** the preambular part of the draft Resolution was approved.

2.4 Referring to the first indent under **resolves**, the delegate of Sweden suggested that, in view of comments made on an earlier occasion by the Chairman of the VGE regarding the WRC-95 workload, "four weeks" should be placed in square brackets for the time being.

2.5 It was so agreed.

2.6 With regard to proposed agenda item 1 under **resolves**, the delegate of France, supported by the delegate of Italy, considered that in the light of the Chairman of the VGE's report to the Plenary Meeting that morning, the text before the Committee should be expanded to reflect more fully the fact that WRC-95 was to examine the VGE's report, consider contributions from administrations, take all possible decisions to simplify the Radio Regulations, and establish a timetable for future action.

2.7 The delegate of Morocco, after supporting the delegate of France, observed that the text of item 1 as it stood was unacceptable because it suggested that WRC-95 should review the Radio Regulations on the basis of the VGE's report, which would not have the status of a proposal to the Conference.

2.8 The delegate of Oman having suggested a new text for item 1, and following comments by the delegate of Saudi Arabia, the Chairman suggested that the delegate of Sweden might hold informal consultations with a view to redrafting the text, taking into account the comments by the delegates of France and Morocco and the views of any other delegates who might wish to participate.

2.9 It was so agreed.

2.10 Proposed agenda item 2 was approved.

2.11 Referring to proposed agenda item 2.1, the delegate of Morocco said that his Administration considered the phrase "with due regard to existing services ... is also allocated" to be applicable only in the period prior to the entry into force of the allocations foreseen in the Radio Regulations.

2.12 The delegate of Ecuador having proposed an amendment aimed at aligning item 2.1 with the text of **recognizing further** i), and following a discussion in which the Chairman, the Chairman of Working Group 4A and the delegates of Zimbabwe, Saudi Arabia, Cuba, Morocco, Canada and Algeria took part, the delegate of Ecuador suggested that he and all other interested delegates should confer informally with a view to preparing a new text for the item.

2.13 It was so agreed.

2.14 With regard to proposed agenda item 2.1 a), the delegate of the United Kingdom, supported by the delegates of Zimbabwe, France and Japan, said that the scope of the item was too vague and that the text should be redrafted. Following comments by the delegate of Morocco and further comments by the delegate of the United Kingdom, the Chairman suggested that the latter should prepare a new text outside the meeting room, with the assistance of any delegates who wished to participate.

2.15 It was so agreed.

2.16 The delegate of Algeria, referring to proposed agenda item 2.1 b), considered that the wording should be amended to convey the need to consider the implementation of allocations in the bands concerned, without prejudging the decisions of WRC-95 regarding dates. The delegate of Spain said that, unlike the previous speaker, he considered that the proposals of a considerable number of delegations to bring forward the date of entry into force of allocations in the bands concerned should be borne in mind in the context of that agenda item. The delegate of Turkey observed that the wording proposed in Document 45 was the result of a compromise reached in Working Group 4A and should therefore be retained as it stood. The Chairman of Working Group 4A confirmed that the matter had indeed given rise to considerable discussion in the Working Group.

2.17 The Chairman said that if he heard no objection he would take it that the wording of proposed item 2.1 b), which represented a compromise, could be retained for the time being pending further consideration.

2.18 It was so agreed.

2.19 Referring to proposed agenda item 2.1 c), the delegate of Australia observed that as the question of interference was already covered in the Radio Regulations, the text might gain in clarity if specific reference was made to the relevant provisions. He therefore proposed that the phrase "noting the provisions of RR 2613" should be inserted after the word "services". The delegate of Morocco said that he could support that proposal if the word "noting" was replaced by "taking into account". The delegate of Germany, pointing out that the scope of RR 2613 was limited in that it gave protection only to fixed services, expressed a preference for the text as it stood. The Chairman of Working Group 4A said that the matter had been discussed at some length in the Working Group, where it had been agreed not to include a specific reference to that provision in order to make the scope of the proposed agenda item more general.

2.20 The Chairman said that if he heard no objection he would take it that the Committee could accept the text of item 2.1 c) as it stood.

2.21 It was so agreed.

2.22 Turning to proposed agenda item 2.2, the Chairman of Working Group 4A said that the words "space operation" had been placed in square brackets because a proposal had been made to delete them. While a majority of delegations in the Working Group had seemed to be in favour of retaining the text as it stood, there had not been time to discuss the matter fully.

2.23 The delegate of Japan said that while his delegation still considered that the words should be deleted, it did not wish to delay the work of the Committee and was therefore prepared to accept the text as it stood, on the understanding that his Administration might revert to the matter at WRC-95 as appropriate.

2.24 Subject to the removal of the square brackets, proposed agenda item 2.2 was approved.

2.25 The delegate of the United States, supported by the delegate of France, proposed that the words "and take appropriate action" should be added at the end of proposed agenda item 2.3. The delegate of Finland observed that if action was to be taken by WRC-95 following review of WARC-92 Resolution No. 112, that matter would not need to be placed on the agenda of WRC-97. The delegate of Morocco endorsed that view. The Chairman said that due note would be taken of those comments when the draft preliminary agenda of WRC-97 was considered.

2.26 Proposed agenda item 2.3, as amended by the delegate of the United States, was approved.

2.27 The delegate of Morocco, reverting to items 2.1 and 2.1 b), said that following informal discussions outside the meeting, it was proposed to delete the phrase "and with due regard ... is also allocated" from item 2.1, and to add the phrase "with due regard to the need to protect up to the year 2005 the services to which these bands are allocated" at the end of item 2.1 b). One of the delegations involved in the consultations had requested that those amendments should merely be noted for the time being in order to give delegations some time to consider their implications.

2.28 The delegate of Germany having expressed reservations concerning the proposed amendment to item 2.1 b), the Chairman said that the matter would be left in abeyance pending further informal consultations.

2.29 The delegate of Sweden, reverting to agenda item 1, proposed, following informal discussions, that the text should be amended to read: "to review the report of the VGE and to consider related proposals from administrations in order to take action as appropriate to revise the Radio Regulations, and to provide a timetable for the implementation of outstanding recommended actions;".

2.30 The delegate of Tonga proposed the deletion of the word "related" from the text read out by the delegate of Sweden. The delegate of Finland, supported by the delegates of the United Kingdom and Germany objected to that proposal. The delegate of Bangladesh observed that §§ 3 and 4 of the VGE's report (Document 28) should be taken into account in that context. In reply to a question by the Chairman, the delegate of Tonga said that he would not press his proposal, on the understanding that the amended wording of the agenda item was considered to be consonant with the discussion which had taken place that morning in the Plenary. The Chairman confirmed that his understanding of that discussion was that any delegations would be entitled to propose amendments to the report submitted by the VGE to WRC-95.

2.31 Subject to a drafting amendment proposed by the delegate of Algeria, the wording proposed by the delegate of Sweden for agenda item 1 was approved.

2.32 Replying to a question by the Chairman, the delegate of the United Kingdom said that he was not yet in a position to propose an agreed amended text for item 2.1 a). The Chairman suggested that, in those circumstances, the wording in Document 45 should be retained for the time being, subject to the outcome of possible further consultations.

2.33 It was so agreed.

2.34 The Chairman of Committee 5 asked for clarification about the portions of text that were to appear in square brackets.

2.35 The Chairman, referring in particular to the text of proposed agenda items 2.1 a) and b) as set out in Document 45, considered that the wording should be regarded as having been approved as it stood, unless an amended version was put before the Committee and accepted by consensus.

2.36 Following comments by the delegates of France, Germany, Saudi Arabia, Turkey, the United Kingdom and Algeria, to the effect that texts still under discussion should be so indicated, it was agreed that items 2.1 a) and b) should be placed in square brackets for the time being. The delegate of Cuba said that a revised version of Document 45, incorporating all the amendments agreed thus far and indicating where text remained in square brackets, would facilitate discussion. The delegate of Zimbabwe was confident that consensus would be reached if the Chairman allowed time for a full discussion of the texts.

2.37 The Chairman invited the Committee to comment on the text of proposed agenda items 2.4 and 2.4bis, as contained in Addendum 1 to Document 45.

2.38 The delegate of Canada considered that items 2.4 and 2.4bis should be deleted since they were covered by proposed item 3 b), as contained in Document 45. The delegate of Germany, supported by the delegate of Italy, agreed that item 2.4bis was covered under item 3 b) but said that item 2.4 was slightly different. Nevertheless, as the whole issue would be dealt with by WRC-97, there was no need to maintain item 2.4 in the agenda for WRC-95.

2.39 The delegate of Morocco thought that it would be useful to draw attention to the two bands dealt with in items 2.4 and 2.4bis. He therefore suggested that item 3 b) should be amended by adding, at the end, the following words: "by reviewing among others the category of allocation to the Earth exploration-satellite service in the bands 13.4 - 13.75 GHz and 8 025 - 8 400 MHz".

2.40 The Chairman of Working Group 4A recalled that the Working Group had not had sufficient time at its disposal to come to agreement on the matter. There was a valid argument for mentioning the bands referred to in items 2.4 and 2.4bis. Perhaps the Committee could reach a consensus on the proposal by the delegate of Morocco.

2.41 The delegate of the United Kingdom stressed that there was no need to modify item 3 b), as WARC-92 Resolution No. 712 covered the bands in question. The delegates of France and Australia were sympathetic to the amendment suggested by the delegate of Morocco with respect to item 3 b) but acknowledged that the proposed addition to the text was indeed covered by Resolution No. 712.

2.42 The delegate of the United States considered that items 2.4 and 2.4bis were unnecessary. Furthermore, the amendment to item 3 b) suggested by the delegate of Morocco was not only covered by Resolution No. 712 but might also unduly restrict studies by the Conference Preparatory Meeting. As Resolution No. 712 was to be considered by WRC-97, his preference was simply to refer to it in the agenda for WRC-95, which could then suggest the study of specific bands if it so wished.

2.43 The delegates of Germany and Italy supported the views expressed by the delegates of the United Kingdom and the United States.

2.44 It was agreed to delete items 2.4 and 2.4bis and to maintain item 3 b) as it stood in the Annex to Document 45.

2.45 Referring to proposed agenda item 3, the delegate of Spain suggested that, in addition to considering preparatory work to be carried out by the study groups and the Conference Preparatory Meeting of the Radiocommunication Sector, WRC-95 should also provide guidance relating to the items listed under a), b) etc. The delegates of the Netherlands and Morocco supported the idea behind that suggestion and put forward possible wording. The delegate of Finland also found the suggestion appropriate but considered that it might better be incorporated in agenda item 5 (Addendum 2 to Document 45).

2.46 The delegate of France said that the intention was for the items listed in item 3 under a), b), etc. to be considered in a preliminary way by WRC-95, with a view to further consideration by WRC-97. He pointed out that the wording of proposed agenda item 3, as a whole, would be improved by careful editing. The delegate of Italy agreed that item 3 dealt with subjects to be considered in greater depth by WRC-97. In his view, item 3d) was covered by item 2.1.

2.47 The delegate of Morocco, supported by the delegates of Saudi Arabia and Kenya, referring to item 3 a), stressed that developing countries' access to space technology would be facilitated if the same orbital position or the same arc could be used both for the broadcasting service and for the fixed-satellite service. He therefore suggested the addition of a reference to Appendix 30B.

2.48 The delegate of Sweden, while sympathizing with that suggestion, thought that the inclusion of a reference to Appendix 30B would make the scope of work too broad. It might be more practicable simply to note that due consideration should be given to Appendix 30B.

2.49 In reply to a question by the delegate of Italy, the Chairman of Working Group 4A said that the work of conferences was always based on proposals submitted by Members; there was therefore no need to make specific mention of such proposals in the agenda of a conference.

2.50 The delegate of Germany, referring to the addition suggested by the delegate of Morocco, that he needed time to reflect further on the matter but thought that, having regard to the point made by the delegate of Sweden, it might be possible to reach consensus on the insertion of a phrase such as "taking account of orbital positions of Appendix 30B".

2.51 The Chairman requested the Chairman of Working Group 4A to hold informal consultations with a view to preparing a revised text of item 3.

The meeting rose at 1710 hours.

The Secretary:
G. KOVACS

The Chairman:
S. PINHEIRO



MINUTES

OF THE

SECOND PLENARY MEETING

Wednesday, 17 November 1993, at 0900 hours

Chairman: Mr. V. TIMOFEEV (Russian Federation)

Subjects discussed

Documents

- | | | |
|----|---|-------------------------------|
| 1. | Oral progress reports by Committee Chairmen | - |
| 2. | Consideration of proposals for the work of the Conference | |
| - | Revision of the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (Geneva, 1975) | 4(Rev.1) |
| - | Revision of Articles 11 and 13 of the Radio Regulations | 5(Rev.1) |
| - | Interim/advanced API/coordination procedure | 9, 17, 19,
24, 33 + Corr.1 |
| - | Interim power limits | 9 |
| - | Interim feeder links | 9 |
| 3. | Report by the Voluntary Group of Experts | 28 |

1. Oral progress reports by Committee Chairmen

1.1 The Chairman of Committee 2 said that the Committee had held its first meeting the previous day, when it had taken note of its terms of reference and discussed organization of work. It had set up a Working Group which was scheduled to meet that afternoon and would submit a report on 18 November. He requested Member States which had not yet done so to submit their credentials to either himself or the Secretary of Committee 2.

1.2 The Chairman of Committee 3 said that his Committee had met the previous day, when it had taken note of its terms of reference, and that it would hold a second meeting on 18 November in order to complete its work and prepare its report for submission to the Plenary.

1.3 The Chairman of Committee 4 said that the Committee had held one meeting, at which it had established two Working Groups: Working Group 4A to discuss matters relating to the 1995 Conference and Working Group 4B to deal with matters relating to the 1997 Conference. Both Working Groups had concluded their work the previous evening and Committee 4 would be taking up their reports (Documents 45 and 46) at its next meeting. He thanked the Chairmen of the two Working Groups for their invaluable assistance.

1.4 The delegate of France, speaking on behalf of the Chairman of Committee 5, said that the first meeting of Committee 5 had been held the previous day. The Committee had approved its objectives and methods of work and its first working meeting would be held later that day.

2. Consideration of proposals for the work of the Conference

Revision of the Regional Agreement Concerning the Use by the Broadcasting Service of Frequencies in the Medium Frequency Bands in Regions 1 and 3 and in the Low Frequency Bands in Region 1 (Geneva, 1975) (Document 4(Rev.1))

2.1 The delegate of Russia, introducing proposal RUS/4/1 contained in the Annex to Document 4(Rev.1), said that it had been put forward for the following reasons in particular: the envisaged duration of the Agreement, which had entered into force on 23 November 1978, had expired; over a period of about 15 years, substantial modifications had been made to the Geneva 1975 Plan; and the geopolitical map in Regions 1 and 3 had undergone significant changes, as a result of which many synchronized broadcasting networks had been dismembered. His Administration therefore proposed that the Council should be requested to ask all Parties concerned by the Agreement to convene an appropriate regional conference to address those problems, either through partial updating of the Plan or through the development of special procedures for the Regions concerned.

2.2 The delegate of Morocco, acknowledging that the issue was highly sensitive and that considerable changes had taken place in recent years, conceded that the Geneva 1975 Plan might need to be reviewed, but considered that it was premature to do so. Referring to one of the alternatives proposed by Russia, namely, the formulation of appropriate procedures, he pointed out that WRC-95 would be considering the VGE's report, which recommended the adoption of a standard procedure for the modification of Plans. He was not opposed to the idea of convening a regional radiocommunication conference, provided it was limited to a review of the procedures set out in Article 4 of the Geneva 1975 Agreement. The delegates of Saudi Arabia and Bulgaria supported that view.

2.3 The delegate of Lebanon was in favour of convening a regional radiocommunication conference to revise Article 4 of the Agreement, since such a conference would be particularly beneficial for developing countries. The delegate of Sweden supported the suggestion that the review should be limited to the procedure for the modification of Plans, which might be based on the forthcoming VGE report. The delegate of Kenya was in favour of reviewing the situation after WRC-95.

2.4 The delegate of Japan, supported by the delegates of the United Arab Emirates and Spain, considered that a review of the Agreement would only lead to increased interference through the introduction of many new requests for frequency use which would be difficult to reconcile. He therefore opposed any such review.

2.5 The delegate of New Zealand, while acknowledging that some parts of the Plan might require review as a result of geopolitical changes, suggested that once the VGE's report had been considered and a standard procedure established, the Radiocommunication Advisory Group might be requested to consider the issue.

2.6 The Chairman noted that a number of speakers were in favour of some form of review of the Agreement, although not necessarily at the present juncture, and that the purpose of the Russian proposal appeared to be partial rather than full revision of the instrument. He suggested that the delegates of Morocco and Russia might wish to meet informally to prepare a document reflecting those views.

2.7 It was so agreed.

Revision of Articles 11 and 13 of the Radio Regulations (Document 5(Rev.1))

2.8 The delegate of Tonga made the statement reproduced in annex.

2.9 The delegate of Tanzania was strongly in favour of the Tongan proposal being included in the agenda for WRC-95.

2.10 The delegate of Mexico, after stating that his delegation could not accept the proposals in the Annex to Document 5(Rev.1) because they ran counter to the ITU's fundamental interests of ensuring harmonious and coordinated use of the geostationary-satellite orbit, gave a detailed substantive and technical explanation of the reasons for which his delegation opposed each proposal. The delegate of Colombia supported the views expressed by the delegate of Mexico, observing that the Tongan proposals would disrupt current coordination procedures, and stressing the need to adhere to the principles embodied in Article 44 of the Constitution.

2.11 The delegate of Mauritius, referring to the comments by the delegate of Tonga concerning access to IFRB records, drew attention to RR 1016 which stated that all documents of the Board were available for public inspection.

2.12 The Chairman reminded the meeting that the matter under discussion was not the substance of the Tongan proposals but whether or not they should be considered at WRC-95 and therefore placed on its agenda. He appealed to delegates not to enter into a substantive debate.

2.13 The delegate of Bahrain, supporting the views expressed by the delegate of Mexico, considered that the proposals as they stood should not be included in the agenda of WRC-95 unless they were incorporated in an item of very general scope relating to coordination procedures.

2.14 The delegate of Lebanon, supported by the delegate of Kenya, suggested that the proposals might be given detailed consideration by the VGE and discussed in its report to WRC-95.

2.15 The delegate of Saudi Arabia felt that the issues raised by the delegate of Tonga did not come within the scope of the VGE. He did not agree that the four proposals in Document 5(Rev.1) should be incorporated in the agenda of WRC-95, from which a great many other issues of equal importance were being excluded.

2.16 The Chairman said that, as he understood it, there had been no suggestion that the Tongan proposals should be included individually in the WRC-95 agenda.

2.17 The delegate of Papua New Guinea considered that the delegate of Tonga had raised some very important issues which needed to be tackled at WRC-95.

2.18 The Chairman of the VGE said that the proposal by the delegate of Lebanon was likely to cause some difficulty as the VGE had almost completed its work and it was rather late to address new issues at the present stage. Furthermore, the Tongan proposals exceeded the scope of the VGE's mandate, which was not to amend the substance of the Radio Regulations, but merely to simplify them.

2.19 The delegate of Morocco observed that proposals TON/5/1 and TON/5/4 were already covered by the VGE, whereas proposals TON/5/2 and TON/5/3 did not come within the purview of an administrative conference, as they related to the sovereign rights of States as referred to in the Convention and might therefore only be raised at a Plenipotentiary Conference. Accordingly, he suggested that the Tongan contribution should be noted and the Tongan Administration invited to submit appropriate proposals to WRC-95 and, if appropriate, to the 1994 Plenipotentiary Conference.

2.20 Following further comments by the Chairman of Committee 4, the Chairman, summing up the discussion, suggested that Document 5(Rev.1) should be noted and Committee 4 requested to include procedural matters relating to the coordination of satellite systems as an item on the WRC-95 agenda.

2.21 It was so agreed.

Interim/advanced API/coordination procedure (Documents 9, 17, 19, 24, 33 and Corrigendum 1)

2.22 The delegate of Canada, introducing the draft Resolution which was the subject of proposal CAN/9/3 (Document 9), said that the proposal arose in part out of concern over the potential difficulties faced by system operators and administrations in initiating coordination. Experience had shown that it was necessary to start the ITU coordination process as early as possible, so as to identify problem areas and examine possible solutions while there was still some flexibility with regard to design. While his delegation favoured the approach outlined in Document 9, it would be willing to consider any other approach which would accomplish the same goal.

2.23 The delegate of Brazil, introducing his Administration's proposals in Document 17, said that their main thrust was to guarantee equal opportunities for all administrations and organizations wishing to use specific bands for mobile-satellite services. Future coordination procedures would not be easy to accomplish, and he hoped that WRC-95 would produce workable regulatory provisions and guidelines. Brazil, like Canada, was flexible in its approach, which was geared to finding a rapid solution.

2.24 The delegate of Saudi Arabia introduced his delegation's proposals in Document 19, drawing attention to a typographical error in proposal ARS/19/2. He stressed that the very important decisions taken in 1992 should not be called in question, as they involved highly sensitive matters such as, for example, the report of the VGE.

2.25 The delegate of France introduced proposal F/24/1 (Document 24). As could be seen from the Final Acts of WARC-92, there were different commencement dates, in various Member countries of the ITU, for the use of the 2 GHz band for the mobile-satellite service, and the best solution to the practical problems likely to result was to align all of them on one date, for example the year 2000. That task could be assigned to WRC-95; in the meantime, however, the current Conference could facilitate coordination by means such as those proposed by his Administration in its draft Resolution on transitional arrangements.

2.26 The delegate of the United States, introducing proposal USA/33/1 (Document 33), reviewed the reasons reflected in the various preambular parts of the text. The issue was basically a matter of allocation, which could be treated only by a world radiocommunication conference competent to address the allocations in question; therefore, no further action was required at the current Conference. His delegation was, however, prepared to discuss the matter further, in a spirit of compromise, with a view to implementing a flexible, practical worldwide system of the utmost benefit to all users.

2.27 Replying to questions by the delegates of Zimbabwe and Indonesia, the delegate of France said that the Final Acts of WARC-92 and in particular footnote 746B covered a wider bandwidth than that referred to in **resolves** 1 of proposal F/24/1. Footnote 746B also made it clear that the bands 1 970 - 2 010 and 2 160 - 2 200 MHz were allocated to the mobile-satellite service from the year 2005. Studies were being carried out in the Radiocommunication Sector on problems arising from the coexistence of space and terrestrial components of FPLMTS.

2.28 The delegate of Canada pointed out that proposal CAN/9/3 was not aimed at advancing the date at the current Conference - a task which would presumably be within the purview of WRC-95 - but only at addressing the situation prior to the latter event.

2.29 The Chairman said that although the proposals submitted reflected a wide disparity of views, he would not like their consideration in Plenary to give rise to debate about the competence of the current Conference. Informal consultations among the various delegations concerned, with his participation, were still in progress and he suggested that the meeting should refrain from further substantive discussion until he could report on the outcome of those consultations.

2.30 It was so agreed.

Interim power limits (Document 9)

2.31 The delegate of Canada, introducing the draft Resolution in proposal CAN/9/4 (Document 9) made the following statement:

"At WARC-92, the space operation, space research and Earth exploration-satellite services were raised to co-primary status with terrestrial services in the band 2 025 - 2 110 MHz. It was intended to include in RR Article 28 e.i.r.p. limits for earth stations in these space science services. Canada notes that Working Group 4A has included this item in the draft Resolution for the WRC-95 agenda; we encouraged this action.

In the interim, steps should be taken by administrations to facilitate coordination with terrestrial services, preferably using the e.i.r.p. limits of RR 2541."

2.32 The delegate of Japan said that it would be difficult for his delegation to accept the Canadian proposal, because of the application of RR 2541 to the space operation service. Japan strictly applied the Radio Regulations and the conclusions of ITU conferences. It had some earth stations operating in the frequency band concerned; and there were, of course, many stations operated by agencies in numerous countries. Adoption of proposal CAN/9/4 as it stood would lead to considerable problems - for example, in cases of satellite launching. If, however, it could be agreed to delete the reference to space operation from the services mentioned, his delegation might be able to support the text.

2.33 The Chairman said that, as he understood it, the intention was not to adopt anything of substance at the current Conference but simply to note the proposal in the conference records, requesting all administrations to adopt the limitations in question during the interval between the current Conference and WRC-95. He invited the meeting to take note of proposal CAN/9/4 on that understanding.

2.34 On that understanding, proposal CAN/9/4 was noted.

Interim feeder links (Document 9)

2.35 The delegate of Canada, introducing proposal CAN/9/5 (Document 9) made the following statement:

"The Canadian Administration had hoped that this WRC could address the issue of feeder links to non-geostationary mobile-satellite systems in the light of the significant amount of spectrum that will be required. It has been argued that provision RR 2613 could constrain

such use of the traditional geostationary fixed-satellite frequency bands. We wanted to establish the basis at this Conference to facilitate the introduction of non-geostationary mobile-satellite systems that are now being developed.

Assuming that the consideration of such feeder links will be on the agenda of WRC-95, as is now contemplated in Working Group 4A, the Canadian Administration is concerned about the impact that this delay could have.

It might be useful for this Plenary to note this concern and encourage all administrations to work together in the identification of appropriate feeder-link bands between now and WRC-95."

- 2.36 On the same understanding as for proposal CAN/9/4, proposal CAN/9/5 was noted.

3. Report by the Voluntary Group of Experts (Document 28)

3.1 The Chairman of the VGE introduced the report contained in Document 28, briefly reviewing its contents.

3.2 The Chairman thanked the Chairman of the VGE for his report, a valuable document which, inter alia, gave some indication of the volume of work to be dealt with at WRC-95.

3.3 The delegate of Bangladesh said that he was concerned about the probable workload during WRC-95, as reflected in particular in § 4 of the VGE's report. In addition to the sheer volume of work, some of the issues were quite sensitive, as the delegate of Saudi Arabia had noted. The experience of WARC-92 had shown how exhausting the combination of a heavy programme and a restricted time-frame could be, and the burden was felt particularly by the administrations of developing countries. It was necessary, therefore, to limit the agenda of WRC-95 to absolutely essential items. In that regard, he requested the Plenary to give some guidance to Committee 4. With regard to the latter's work, it was hard to understand why the proposals considered under the previous item of the current meeting's agenda had not been taken up first in Committee 4.

3.4 The Chairman said that the procedure followed stemmed from decisions taken at the previous Plenary Meeting. The question of the time-frame and agenda of conferences was indeed important, and he fully agreed that care should be taken to draw up a realistic agenda. He hoped that Committee 4 could give some guidance in that regard, bearing in mind that four weeks was probably the maximum time available for WRC-95.

3.5 The delegate of Ecuador said that the concern expressed by the delegate of Bangladesh was timely but that his delegation was satisfied with the Chairman's response.

The meeting rose at 1155 hours.

The Secretary-General:
P. TARJANNE

The Chairman:
V. TIMOFEEV

Annex: 1

ANNEX

Statement by the delegate of Tonga

On Monday, Mr. Chairman, you told the delegations that our task in this conference covers three basic sections. The first section you mentioned was "general problems of the Radio Regulations". We agree. You were followed on the podium by the distinguished Secretary General of the ITU, who spoke of the increasing challenge to the ITU to respond quickly to the dynamic changes that are taking place in telecommunications. Among the items specifically mentioned by the Secretary General was the need to manage the geostationary orbit efficiently and among the "urgent problems" he mentioned was the frequency coordination procedures of the Radio Regulations. We agree.

Indeed many administrations have submitted proposals which speak of the need to revise the Radio Regulations. Japan states that "The Radio Regulations should be established with a view to promoting efficient and effective radio frequency administration." We agree. Brazil "believes that the revision of the Radio Regulations will be the most important subject for discussion in the WRC-95". We agree. There are many others and their messages are similar -- Perhaps the issue was best stated by the Secretary General who said that the Regulatory Regime for outer space is 50 years old and the Radio Regulations are clearly inadequate. We agree.

The Regulatory Regime for communications satellites providing service to the international market has changed from

a monopoly plan to a free market rule. This change has caused a tremendous upsurge in demand by private business anxious to enter the satellite market. The free international market has also opened the door for the first time to smaller countries who wish to exercise their right to develop and capitalize on the use of outer space. Six years ago Tonga took the initiative to stimulate competition in the under-served Asia-Pacific satellite communications services market. Today, our licensee is operating a satellite at the orbital position of 134.0 East longitude. Within this very week, a second satellite will be launched into the orbital position of 130.0 East. A third and a fourth satellite will be launched next year, 1994. These satellites provide high quality low cost service to international communications users in the Asia-Pacific region.

We know from our own experience over the last six years that the Radio Regulations do not provide all the solutions required for today's environment. We are almost finished with our Article 11 frequency coordination, but we think that many nations which follow Tonga can benefit from our experience. Accordingly we propose a few modest additions or amendments to the Radio Regulations that we respectfully submit will help restore order to an increasingly chaotic situation. We agree wholeheartedly with the Secretary General that the ITU coordination process is still being respected. The recent agreement reached between the Kingdom of Tonga and the Republic of Indonesia is testimony to that fact. However, as the Secretary General also admits, growing congestion is likely to occur in certain segments of the

orbital arc. Several nations have started the registration process of many orbital positions, making it increasingly difficult to maintain an orderly frequency coordination process.

May I now refer you to Tonga's proposals which have been marked Document WRC-93/5(Rev.1). We have made four suggestions for inclusion into the Agenda of WRC-95, which are labeled TON/5/1 to TON/5/4. I will discuss them separately because each stands alone and is independent of the others.

TON/5/1

Radio Regulation 1060 says "BEFORE an administration . . . brings into use any frequency assignment to a space station on a geostationary satellite . . . it SHALL . . . effect coordination." Now SHALL is mandatory -- MAY is permissive. Pretty clear. But Regulation 1060B says "If a frequency assignment is brought into use before" coordination, such use will not create any priority. The reality is that many, if not all, Administrations bring their satellite frequency assignments into use before coordination is completed. There are no rules to cover the interim period of use pending coordination and this is creating more and more problems. We understand that some Administrations are about to launch satellites into positions which will cause harmful interference to adjacent positions which are in the coordination process.

One solution might be to extend the "first come first served" rule to interim operations. Another might be a balancing process in which new comers would be afforded some rights. There are other solutions but we believe that the solutions must be clearly set out within the framework of the ITU, not to be found, as one commentator has put it, in "the shoot out in the sky."

TON/5/2

Tonga understands that coordination is supposed to be a strictly technical exercise. Because of the outmoded C over I criteria, communications satellites must be placed unnecessarily far apart in the orbital arc. Current technology permits placement at two or three degrees apart. This situation gives tremendous leverage to those Administrations with existing operating satellite systems. Most nations involved in coordinations act in good faith -- but at times one cannot escape from the feeling that something above and beyond technical frequency coordination is being involved - a non-technical concession or two in exchange for successful frequency coordination? There is nothing in the Radio Regulations to prevent this. We believe that there should be. We think that the Regulations should provide for a mechanism for the ITU to step in where the argument is not technical in nature.

TON/5/3

Section VI of Article 13 of the Radio Regulations speaks to the situation created by the discontinuance of a satellite assignment. The intent is clear -- the rules are not. For example, Radio Regulation 1570 states that when the use of a recorded assignment is suspended for 18 months the notifying administration shall inform the board of the date use was suspended and when the assignment will be brought back into regular use. Regulation 1573 provides that "In the case of permanent discontinuance" the notifying administration shall inform the Board within 3 months of such discontinuance. This honor system just does not work because the language of the Regulations is so loose. Nobody ever "permanently discontinues" anything! We estimate that there are in excess of 50 satellite orbital positions which are unoccupied and for which there are no present plans to place a satellite. 50!!! Might it not be fairer for others to be given a chance to develop and capitalize on this resource that belongs to all mankind?

Tonga proposes that simplified procedures be adopted as part of the Radio Regulations to rectify this situation. We think that the time is ripe for discussion of ways to free up these unused assignments and the agenda for WRC-95 is a most appropriate platform from which to start.

TON/5/4

We have nothing but praise for the staff of the ITU. In our dealings with them, they have been extremely generous and of great assistance. But what we found was often that the answer to our question was contained in some decision or precedent of which we were unaware and never would have found but for the help of the staff. Only the memory of the ITU staff could retrace old decisions of the IFRB. The reason is, these past decisions are not open and available for review in a logical format. There is no index, no digest, no access, no computerized record. If a country is new to the process, it is very difficult to find out that a very confusing rule or regulation has been construed and defined in another proceeding.

Our proposal is simply to open up these records, including past interpretations and decisions, for research and review by all Administrations.

We believe, Mr. Chairman, that a review and revision of the Radio Regulations as proposed by Tonga will also be of immense help to all Administrations aspiring for orbital assignments and involving in consequential coordination exercises thereafter. As a small, resource poor developing country, I am mindful of other countries like my own who may wish to seek a share in that

important resource in space - now acknowledged by all of us as the common heritage of all mankind.

I am sure, Mr. Chairman, that the equal opportunity of access to that resource thus given to all member countries of the Union in equal measure, regardless of color, religion, race, size, wealth, power or any other discriminatory element one may dream up, is a proud principle and possession of this Union worthy of nurturing in perpetuity.

We are not asking for a re-vamp of the Allotment Plan adopted at WARC-ORB-88 - just a few clarifications and additions to the Radio Regulations, which will assist all aspiring newcomers to establish satellite networks.

The Tonga delegation therefore respectfully requests that the proposals contained in Doc. 5(Rév.1)-E be approved for inclusion in the agenda of WRC-95.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 71-E
17 November 1993
Original: English

COMMITTEE 4

SUMMARY RECORD
OF THE
THIRD MEETING OF COMMITTEE 4
(AGENDA)

Wednesday, 17 November 1993, at 2035 hours

Chairman: Mr. S. PINHEIRO (Brazil)

Subjects discussed

1. Draft agenda of WRC-95 (continued)
2. Draft preliminary agenda of WRC-97

Documents

45 + Add.2
46 + Corr.1

Draft agenda of WRC-95 (continued) (Document 45 and Addendum 2)

1.1 The Chairman invited the Committee to continue its consideration of the draft agenda of WRC-95, as set out in the draft Resolution in Document 45, starting with item 4.

1.2 Proposed agenda item 4 was approved.

1.3 The Chairman recalled the proposal by Japan in Document 32 for the review of certain Resolutions and Recommendations of the Radio Regulations. He suggested the inclusion of an additional item (4bis) in the draft agenda of WRC-95 to take that proposal into account, in response to WARC-92 Resolution No. 94.

1.4 The delegate of Finland acknowledged that Resolution No. 94 was extensive in scope but he interpreted the spirit of the Resolution to be that each conference would review those Recommendations and Resolutions that were relevant to its particular agenda. The delegate of Germany, supported by the delegate of Saudi Arabia, agreed with the previous speaker and stressed that the suggested new agenda item should restrict the review to relevant Resolutions and Recommendations. The delegate of Germany further pointed out that Resolutions and Recommendations stemmed from conferences, not from the Radio Regulations.

1.5 Following informal consultations, the delegate of Germany suggested that new item 4bis should read: "in accordance with Resolution No. 94 (WARC-92), to review those resolutions and recommendations of World Administrative Radio Conferences which are relevant to **resolves** 1 to 4 above, with a view to their possible revision, replacement or abrogation".

1.6 The delegate of Saudi Arabia pointed out that "**resolves** 1 to 4" might have to be modified to take account of the number of agenda items ultimately recommended.

1.7 On that understanding, new agenda item 4bis, as suggested by the delegate of Germany, was approved.

1.8 Following a request for clarification by the delegate of France concerning earlier comments on the deletion of certain texts, as proposed by Japan in Document 32, the Chairman explained that it would be for WRC-95 to discuss the substance of those proposals.

1.9 The Chairman invited the Committee to consider proposed agenda item 5, as contained in Addendum 2 to Document 45.

1.10 Following a comment by the delegate of Saudi Arabia on the overlap between subitems 5.1 and 5.2, the delegate of Morocco suggested the deletion of subitem 5.1, since the particular concerns it addressed were covered by the more general subitem 5.2. Responding to the Chairman of the Radio Regulations Board, he said that there was no need to include in the agenda the reports that the RRB was required to submit to conferences, since they were a permanent feature of all Radiocommunication Conferences.

1.11 Subject to the deletion of subitem 5.1, proposed agenda item 5 was approved.

1.12 The Chairman invited the Committee to return to its consideration of Document 45 and to comment on the text under **invites administrations**.

1.13 The delegate of Tonga suggested that the text should be amended to read "... relating to the simplification and revision of the Radio Regulations ...". The delegate of New Zealand preferred to keep the text as it stood, since the task of the VGE had been to simplify the Radio Regulations. The delegate of Morocco endorsed that view but suggested that some thought should be given to indicating to administrations on what basis they should make their proposals to WRC-95. It could be confusing if some of the proposals were based on the Radio Regulations in their present form and others on the simplified texts recommended by the VGE.

1.14 At the suggestion of the Chairman, it was agreed to leave the text of **invites administrations** temporarily in abeyance.

1.15 Following a comment by the delegate of Morocco on the text of **instructs the Director of the Radiocommunication Bureau**, the Chairman and the delegate of Turkey explained that "Conference Preparatory Meetings" should remain in the plural as there would be two such meetings.

1.16 On a proposal by the delegate of Morocco, supported by the delegate of Saudi Arabia, it was agreed to replace the words "to provide guidance material" by "to prepare a report".

1.17 The text of **instructs the Director of the Radiocommunication Bureau**, as amended, was approved.

1.18 The text of **invites the Secretary-General**, amended to read **instructs the Secretary-General**, was approved.

1.19 The text of **invites the Council** was approved.

1.20 The delegate of the United Kingdom pointed out that, as it stood, the text of the draft Resolution called on the Secretary-General to make arrangements for the conference before the necessary action in respect of its establishment had been taken by the Council. Some reordering of the provisions appeared necessary. The delegate of Morocco said that the deletion of **instructs the Secretary-General** might solve the problem; it could be left to the Council to instruct the Secretary-General to make the necessary arrangements. The delegate of Kuwait drew attention to the wording used in APP-92 Resolution 9.

1.21 At the suggestion of the delegate of Mexico, it was agreed to leave the precise wording to the Editorial Committee.

1.22 In reply to a question by the delegate of France, the Chairman said that WARC-92 Resolution No. 710 would be considered by WRC-97.

1.23 Following informal consultations, the delegate of New Zealand proposed that the text of **invites administrations** should be amended to read: "... relating to the simplification of the Radio Regulations or to matters relating to the agenda contained in this Resolution, to as far as practicable ...".

1.24 It was so agreed.

2. Draft preliminary agenda of WRC-97 (Document 46 and Corrigendum 1)

2.1 The Chairman of Working Group 4B, introducing Document 46, observed that the text was the outcome of three meetings of Working Group 4B, held in a spirit of cooperation and in the interest of facilitating the work of the Conference. Drawing attention to the square brackets around a number of proposed agenda items, he said that they were not so much an indication that the Working Group had not been able to reach agreement as a means of drawing attention to interrelated aspects, where acceptance or amendment of one part of the text might have implications elsewhere. He also drew attention to Corrigendum 1 to Document 46, which concerned the Spanish text only.

2.2 The Chairman invited the Committee to consider the draft Resolution contained in the Annex to Document 46.

2.3 Subject to the insertion of a reference to No. 126 of the Convention in the text of **considering**, the preambular part of the draft Resolution was approved.

2.4 The delegate of Morocco, supported by the delegate of the United Kingdom, proposed that "**resolves**" should be replaced by "**resolves to give the view**", in the interest of consistency with the wording of No. 126 of the Convention and bearing in mind that the WRC-97 agenda would be reviewed by WRC-95.

2.5 It was so agreed.

2.6 The first indent under **resolves** was approved.

2.7 Following comments and suggestions by the delegates of Saudi Arabia and Morocco, proposed agenda item 1 was approved subject to the insertion of the word "urgent" before the word "issues".

2.8 Proposed agenda item 2 was approved.

2.9 The Chairman, referring to proposed agenda item 2.1, recalled that mention should be made of WARC-92 Resolution No. 710. In reply to a request for clarification by the delegate of France, the Chairman of Working Group 4A said that when the matter had been discussed in the Working Group in connection with the draft agenda of WRC-95, it had been considered that matters relating to Resolution No. 710 would more appropriately be dealt with at WRC-97 than at WRC-95; that was why it had been requested that a reference to the Resolution should be inserted in the text.

2.10 In reply to comments by the delegate of Canada, the Chairman of Working Group 4A agreed that the reference to WARC-92 Resolution No. 112 in item 2.1 might usefully be replaced by a reference to WARC-79 Resolution No. 60.

2.11 On a proposal by the delegate of Germany, it was agreed to delete the reference to Mob-87 Resolution No. 408, currently in square brackets, from item 2.1 and to remove the interrelated square brackets from item 3.4.

2.12 Proposed agenda item 2.1, as amended, was approved.

2.13 Referring to item 2.2, the delegate of France proposed that the square brackets should be removed from around the reference to Resolution No. 66 and that, as a consequence, item 3.8 should be deleted.

2.14 Proposed agenda item 2.2, as amended, was approved.

2.15 Proposed agenda item 3 was approved.

2.16 The Chairman of Working Group 4B suggested that, in view of the wording approved for item 1, the Committee might wish to consider deleting item 3.1. The delegate of Canada, supported by the delegate of Brazil, said that he could not agree to the deletion of item 3.1 and proposed that the text should be retained without square brackets. The delegate of United Kingdom expressed some concern about the term "remaining issues" in the text of that item which, he suggested, should be left in abeyance until an agreed text was available for item 2.1a) of the draft agenda of WRC-95. The delegate of Saudi Arabia supported the deletion of item 3.1 on the grounds that the substance was already covered by item 1.

2.17 Following informal consultations, the delegate of Canada proposed that the words "remaining issues" in the first line of item 3.1 should be replaced by "unresolved and other pressing issues". The delegate of Japan proposed the insertion of the words "as appropriate" at the end of the text. The delegate of Zimbabwe observed that the issue of mobile-satellite service frequencies had not yet been resolved in the context of the draft agenda of WRC-95, and proposed that the item should be deleted. The delegate of Saudi Arabia reiterated the view that the substance of item 3.1 was adequately covered in item 1. The delegate of France supported the view that the wording of item 3.1 could not be finalized until a decision had been taken on the wording of item 2.1 a) of the WRC-95 agenda.

2.18 At the suggestion of the Chairman, it was agreed to leave the text of item 3.1 in square brackets for the time being.

2.19 Following a discussion on items 3.2, 3.2.1, 3.2.2 and 3.2.3, in which the delegates of Saudi Arabia, the United States, France, India and Canada and the Chairman of Working Group 4B took part, it was agreed to replace "[50] GHz" by "[30] GHz" in item 3.2.1 and to delete item 3.2.2.

2.20 With regard to agenda item 3.3, the delegate of Algeria, supported by the delegates of Saudi Arabia and Zimbabwe, suggested that since the Radiocommunication Sector was to carry out studies on new planning methods, for completion by 1997, the text should be amended to require WRC-97 to examine other planning methods developed by that Sector for the use of the HF bands allocated to the broadcasting service in the light of developments, and to take the necessary decisions in accordance with WARC-92 Resolution No. 523.

2.21 The delegate of the United Kingdom, supported by the delegates of the Netherlands and Norway, said that the text should be left untouched, as it represented a delicate compromise reached after lengthy discussions. Recalling that his delegation had expressed strong opposition to the adoption of Resolution No. 523 by WARC-92, he said that the insertion of a reference to that Resolution would unduly extend the scope of the agenda item, which was already sufficiently broad.

2.22 At the suggestion of the Chairman, it was agreed to place item 3.3 in square brackets.

2.23 The Chairman recalled that it had been agreed earlier in the meeting to delete the square brackets from around proposed agenda item 3.4.

2.24 Proposed agenda item 3.5 was approved.

2.25 Following brief comments on item 3.6 and its subitems by the Chairman and the Chairman of Working Group 4B, the delegate of Algeria, supported by the delegate of New Zealand, proposed that subitem 3.6.1 should be deleted because it contradicted certain provisions of the Radio Regulations relating to distress at sea. The delegate of the United States said that he could agree to that proposal if a text similar to the one approved for item 4 of the WRC-95 agenda, referring to the need to consider consequential changes and amendments in the Radio Regulations, was included in the WRC-97 agenda.

2.26 On that understanding, it was agreed to delete subitem 3.6.1.

2.27 Proposed agenda item 3.6 as a whole, as amended was approved.

2.28 With regard to item 3.7, the delegate of Norway proposed the following new text, prepared during informal consultations: "to review and revise as necessary Appendices 30 and 30A for Region 1 and Region 3 in response to Resolution No. 524 (WARC-92)". The delegate of Canada, supported by the delegate of the United States, suggested that, for the sake of consistency with the WRC-95 agenda, "in response to" should be replaced by "in accordance with". The delegates of Finland and Sweden, on the other hand, expressed a preference for the phrase "in response to". The delegate of Mexico having suggested alternative wording, and following further comments by the delegate of Canada and the Chairman, the delegate of Norway suggested that both "in accordance with" and "in response to" should appear in the text in square brackets for the time being.

- 2.29 On that understanding, the new text of proposed agenda item 3.7 was approved.
- 2.30 The Chairman recalled that it had been agreed earlier in the meeting to delete item 3.8.
- 2.31 It was agreed to delete proposed agenda item 3.9, which was covered by item 1.
- 2.32 Proposed agenda items 4 and 5 were approved.
- 2.33 The delegate of the United States suggested that a general item on the review of resolutions and recommendations of world administrative radio conferences should be added, along the same lines as new item 4bis approved earlier in the meeting for inclusion in the WRC-95 agenda.
- 2.34 It was so agreed.
- 2.35 The delegate of Japan proposed that both the general items in question should be amended so as to require each WRC to review all of the Resolutions and Recommendations listed in the relevant reports prepared by the Secretariat pursuant to WARC-92 Resolution No. 94.
- 2.36 The Chairman observed that the Secretariat's reports were information documents and therefore could not be referred to in that way in conference agendas. The delegate of Germany, endorsing that comment, said that he could not agree to the Japanese proposal because, in the case of WRC-97, it referred to a report the content of which was not yet known; in the case of WRC-95, the Secretariat's report (Document 6) had not been considered but simply noted. Furthermore, the Conferences' scope should not be broadened through the inclusion of references to recommendations and resolutions which were not directly relevant to the items which the Committee had agreed to place on the respective agendas.
- 2.37 The Chairman said that while he understood the Japanese Administration's concerns, which would be duly noted, he would prefer not to pursue the matter further.
- 2.38 It was so agreed.
- 2.39 With regard to **instructs the Director of the Radiocommunication Bureau and invites the Secretary-General**, the Chairman suggested that the amendments agreed to by the Committee earlier in the meeting in respect of the corresponding parts of the draft Resolution on the WRC-95 agenda should also be made in the WRC-97 agenda.
- 2.40 It was so agreed.
- The meeting rose at 2330 hours.

The Secretary:
G. KOVACS

The Chairman
S. PINHEIRO



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Corrigendum 1 to
Document 72-E/F/S
2 March 1994
Original: English

GENEVA, 15-19 NOVEMBER 1993

COMMITTEE 4
COMMISSION 4
COMISION 4

SUMMARY RECORD
OF THE
FOURTH AND LAST MEETING OF COMMITTEE 4
(AGENDA)

COMPTE RENDU
DE LA
QUATRIEME ET DERNIERE SEANCE DE LA COMMISSION 4
(ORDRE DU JOUR)

RESUMEN DE LOS DEBATES
DE LA
CUARTA Y ULTIMA SESION DE LA COMISION 4
(ORDEN DEL DIA)

Read § 1.38 as follows/Lire § 1.38 comme suit/Léase § 1.38 como sigue:

1.38 The delegate of Spain, referring to subitem 3a), said that his country wanted only one orbital position in the Appendix 30, 30A and 30B Plans, and that he could accept the reference to Resolution No. 524 but not the one to Appendix 30B. He therefore suggested that the second part of the phrase in square brackets should be deleted, as more thought should be given to its implications for countries in Regions 1 and 3 which had orbital positions in the Appendix 30 and 30A Plans outside the orbital arc of the Appendix 30B Plan. The delegate of Italy agreed with the delegate of Spain on the matter of the reference to Resolution No. 524.

1.38 Le délégué de l'Espagne, se référant au point 3 a), indique que son pays souhaite uniquement disposer d'une seule position orbitale dans les Plans des Appendices 30, 30A et 30B et se déclare prêt à accepter la référence à la Résolution N° 524 mais non celle à l'Appendice 30B. Il suggère donc que la deuxième partie de l'expression entre crochets soit supprimée, étant donné qu'il faut réfléchir à ses conséquences pour les pays des Régions 1 et 3 qui ont des positions orbitales dans les Plans des Appendices 30 et 30A en dehors de l'arc orbital de l'Appendice 30B. Le délégué de l'Italie partage le point de vue du délégué de l'Espagne sur la question de la référence à la Résolution N° 524.

1.38 El delegado de España se refiere al subpunto 3a) y dice que su país sólo desea una única posición orbital en los Planes de los apéndices 30, 30A y 30B, y que puede aceptar la referencia a la Resolución N° 524 pero no al apéndice 30B. Por consiguiente, sugiere que se suprima la segunda parte de la frase entre corchetes, puesto que debe darse más atención a sus repercusiones para los países en las Regiones 1 y 3 que tienen posiciones orbitales en los Planes de los apéndices 30 y 30A fuera del arco orbital del Plan del apéndice 30B. El delegado de Italia está de acuerdo con el delegado de España sobre el asunto de la referencia a la Resolución N° 524.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 72-E
18 November 1993
Original: English

COMMITTEE 4

SUMMARY RECORD
OF THE
FOURTH AND LAST MEETING OF COMMITTEE 4
(AGENDA)

Thursday, 18 November 1993, at 0905 hours

Chairman: Mr. S. PINHEIRO (Brazil)

Subject discussed

1. Draft preliminary agenda of WRC-97
and draft agenda of WRC-95 (continued)

Documents

45 + Add. 2,
46 + Corr.1, DL/3

**1. Draft preliminary agenda of WRC-97 and draft agenda of WRC-95 (continued)
(Documents 45 and Addendum 2, 46 and Corrigendum 1, DL/3)**

1.1 The Chairman reminded the Committee that it had not yet completed consideration of WRC-97 agenda items 3.1, 3.2.1, 3.3 and 3.7 in the draft Resolution annexed to Document 46, and that it must also discuss the duration of both WRC-95 and WRC-97.

1.2 Having invited the meeting to take up item 3.1 of the draft preliminary agenda of WRC-97, he recalled that at the previous meeting the text had been considered in the light of the insertion of the word "urgent" in item 1. Some changes to the wording had also been proposed, inter alia by the delegates of Canada and Japan.

1.3 The delegate of Saudi Arabia, supported by the delegates of Norway, Oman and Kenya, said that item 1 as amended would suffice to cover the purpose of item 3.1, which could therefore be deleted altogether.

1.4 The delegate of Japan, supported by the delegate of Zimbabwe, proposed that, in order to save time, item 3.1 should be considered in conjunction with item 3d) of the draft agenda of WRC-95 in Document 45.

1.5 The delegate of the United States, supported by the delegates of Brazil, Mauritius and France, said that WRC-97 agenda item 3.1 should be left in square brackets pending further consideration of the draft agenda of WRC-95.

1.6 The delegate of Venezuela said that item 1, being all-embracing, needed to be supplemented by a more specific statement of purpose; he therefore shared the view that item 3.1 should be maintained.

1.7 Following further comments by the delegate of Saudi Arabia, and at the suggestion of the Chairman, it was agreed to leave the text of item 3.1 in square brackets for the time being.

1.8 Referring to item 3.2.1, the delegate of Canada said that, in the light of informal consultations with the delegations of India and the United States, it was proposed that the figure of 50 GHz should be retained and the square brackets around that figure deleted, and also that the word "(passive)" should be added after the word "service".

1.9 Proposed agenda item 3.2.1, as amended, was approved.

1.10 Referring to item 3.3, the Chairman of Working Group 4B announced that since the Committee's previous meeting, Working Group 4B had prepared an amended text which also took into account a Question adopted by the recently-concluded Radiocommunication Assembly on the work carried out in the Radiocommunication Sector on HFBC. Although the text had not been found entirely satisfactory by any of the interested delegations, it seemed to be the best possible compromise. It read as follows:

"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;"

1.11 The delegate of Italy said that he could accept the proposed text, although it lacked clarity; in his view, a reference to the use of HF bands should be retained.

1.12 The delegate of Turkey said that he too could accept the amended text, on the understanding that the word "question" could be taken to mean "aspects". He shared the previous speaker's view that the use of the HF bands should be mentioned.

1.13 The delegate of the Netherlands supported the text read out by the Chairman of Working Group 4B.

1.14 The delegate of Algeria said that he too could support the text, although it was not entirely satisfactory. It was noticeable that, except in the case of HFBC, all the items on both agendas contained references to resolutions and recommendations of the previous WRC. In his view, item 3.3 had not been dealt with equitably, despite the constructive efforts made by administrations. In order to allay the concern expressed by previous speakers, it should perhaps be made clear that the term "question" was to be construed in the wider sense of "issue". The delegate of Italy said that that was precisely his understanding.

1.15 The delegate of Norway reserved his delegation's position on the proposed amendment, which lacked clarity; perhaps the word "question", or an alternative term "subjects", should be placed in square brackets for the time being.

1.16 The delegate of Canada having suggested that the term might be replaced by "all relevant matters", the delegate of the United Kingdom said that he strongly opposed any replacement of the word "question", since it would be inappropriate to widen the scope of the draft preliminary agenda of WRC-97 to embrace all issues relating to HFBC. Supported by the delegate of Russia, he proposed that the text submitted by the Chairman of Working Group 4B should be accepted.

1.17 The Chairman invited the Committee to accept the text read out by the Chairman of Working Group 4B, on the understanding that the reservation expressed by the delegate of Norway and the concerns voiced by the delegates of Italy and Turkey would be reflected in the summary record.

1.18 It was so agreed.

1.19 Referring to item 3.7, the delegate of Norway read out a proposed revised version of the text produced following informal consultations:

"to review and revise as necessary Appendices 30 and 30A for Regions 1 and 3 with due regard to **"resolves 2"** of Resolution No. 524".

1.20 The delegate of the Netherlands supported that proposal.

1.21 The delegate of Canada said that, as Document DL/3 relating to WRC-95 agenda item 3 dealt with the same subject, it might be more logical to discuss that draft agenda first.

1.22 The Chairman accordingly invited the Committee to consider those parts of Document 45 which had been left in abeyance, namely, items 2.1a), 2.1b) and 3.

1.23 Referring to item 2.1a), the delegate of the United Kingdom said that there had been general agreement during informal consultations on the matter that mention should be made in item 2.1 of the need to take into account the requirements of existing services in the bands concerned, so as to ensure that services other than mobile-satellite services were not neglected in discussing items 2.1b) and c). With regard to item 2.1a), however, two conflicting and unreconcilable views had emerged: on the one hand, the strong view that, in the light of the conclusions of WARC-92, the debate on mobile-satellite allocation issues should not be reopened; on the other hand, the desire of some countries to have limited freedom to make changes themselves to the allocations to the mobile-satellite service below 3 GHz. Unfortunately those limitations could not be specified, which made the request unacceptable. He regretted that, on account of those conflicting views, it had been impossible to produce a formal proposal.

1.24 The delegate of Morocco, reporting on informal discussions on item 2.1b), proposed the following amendments, based on the view that an immediate decision concerning the relations between the different services should be postponed in case WRC-95 brought forward the date of entry into force of allocations. In the main part of item 2.1 it was proposed to delete all of the text after "mobile-satellite services". It was further proposed to add the following text at the end of item 2.1b):

"and should the date of entry into force of these allocations be brought forward, consider consequential effects on other services to which these bands are allocated".

1.25 The delegate of Argentina supported the second of those amendments.

1.26 The delegate of Saudi Arabia, supported by the delegates of Bangladesh and Oman, stressed the importance of avoiding any reference to bringing forward the date of entry into force of allocations. He was therefore not in favour of the Moroccan proposal. The delegate of Zimbabwe did not raise any major objection but said that the interests of developing countries must be protected.

1.27 The delegate of Germany was not in favour of the first amendment, since the main part of item 2.1 related also to subitems 2.1a) and c). He would like at least the second part of item 2.1 to be placed in square brackets.

1.28 The delegate of the United Kingdom found the Moroccan proposal acceptable as it was only a question of requesting WRC-95 to review the date of entry into force, not of embarking on a substantive discussion before that Conference was held.

1.29 Following informal consultations aimed at resolving the problems encountered with regard to subitems 2.1a) and b), the Chairman said that a compromise solution had been found, although it would not be entirely acceptable to all delegations. Despite drafting group meetings held the previous day following a proposal by Ecuador, it was now proposed to return to the text as it stood in Document 45.

1.30 The delegate of Ecuador said that his country did not oppose technological progress and that proposals from countries producing new mobile-satellite technologies were of particular interest. However, his country also had a major interest in protecting its existing services in which it had invested substantially. His delegation had been obliged to withdraw its original amendment to item 2.1 in the interests of achieving a compromise solution. It had done so in the hope that due account would be taken in future of the position of Ecuador and other developing countries in the same situation which did not produce their own technologies for developing mobile-satellite services.

1.31 The Chairman suggested that the Committee approve the text of subitems 2.1a) and b) proposed by Working Group 4A in Document 45.

1.32 It was so agreed.

1.33 Referring to proposed WRC-95 agenda item 3, the Chairman of Working Group 4A said that the topics listed in subitems 3a), b), c) and d) were intended for consideration in WRC-95 although the main work on them was to be carried out by WRC-97. At the previous meeting a request had been made for a clearer text to be produced, which was now submitted in Document DL/3. In discussing that text, the Committee might wish first to approve subitems 3b) and c) which raised no major problems.

1.34 The delegate of Italy supported the text of subitems 3b) and c); his delegation took it that the word "newly" in subitem 3c) was intended to indicate bands allocated since 1979. The Chairman confirmed that that was the case.

1.35 Subitems 3b) and c) were approved.

1.36 The Chairman invited the Committee to consider subitems 3a) and 3d), both of which contained square brackets.

1.37 The delegate of Australia reserved his delegation's right to speak on subitem 3d) later, in connection with item 2.1.

1.38 The delegate of Spain, referring to subitem 3a), said that he could accept the reference to Resolution No. 524 but not the one to Appendix 30B. He therefore suggested that the second part of the phrase in square brackets should be deleted, as more thought should be given to its implications for countries in Regions 1 and 3 which had orbital positions outside Appendix 30B. The delegate of Italy agreed with the delegate of Spain on the matter of the reference to Resolution No. 524.

1.39 The delegate of Turkey supported the entire text of item 3 as set out in Document DL/3, which in his view should be approved as it stood.

1.40 The delegate of China said that she had no difficulty with the reference to Resolution No. 524, but wished to delete the whole of the reference to Appendix 30B.

1.41 The delegate of Morocco said that he seemed to have caused some disturbance by introducing the reference to Appendix 30B, although in doing so he had been supported by many developing countries. He failed to understand why certain representatives of developed countries objected to that reference. The developing countries could not afford to allow the situation to deteriorate still further, and they could not accept that developed countries should benefit from the extensive use of two orbital positions. He did not consider that there was any urgency about revising Appendix 30, unless such revision took account of the position of the developing countries. Alternatively, the matter might be postponed for consideration in 1995, when all the consequences had been fully understood. The delegates of Indonesia and Saudi Arabia supported those views.

1.42 The delegate of Finland observed that there were not just two types of country - developed and developing - represented at the Conference, but many different kinds of countries with varying requirements and priorities. It therefore was not appropriate to highlight the wishes of one particular category.

1.43 The delegate of New Zealand considered that subitem 3a) was quite wide in its scope, the only limitation being the one contained in the preambular part of the item, which had not yet been discussed. He did not feel that in 1993 the Committee could commit the 1997 Conference to take "action as appropriate": such action could not be foreseen at the present stage. He proposed that the last phrase in the preambular part of item 3 should be reworded to read: "with a view to the inclusion of items, as appropriate, in the recommended agenda for WRC-97". If that change were made, he would be able to accept the wording of subitem 3a).

1.44 The delegate of France proposed, as a compromise solution and in order to take account of statements by various delegates, in particular those of Morocco and Finland, that subitem 3a) should be amended to read:

"Appendices 30 and 30A to the Radio Regulations for Regions 1 and 3, taking particular account of **resolves** 2 of Resolution No. 524 (WARC-92) and with due regard to the advantage of taking into account, where practicable, the orbital arcs of Appendix 30B."

1.45 After further discussion, the Chairman of Working Group 4A proposed that the meeting should adopt the compromise wording suggested by the delegate of France. The delegate of Finland accepted that proposal, but wished to place on record his view that the Conference should continue to seek greater flexibility in the use of the bands in question. The delegate of Spain said he wished to make it clear that Spain intended to use only one orbital position. He agreed with the proposal by the delegate of France, possibly with the addition of a phrase along the following lines at the end of the text: "and an examination of the associated provisions in order to achieve maximum similarity between the plans contained in these appendices". The delegate of Canada said that he would have preferred the original wording of the subitem but was prepared to accept the compromise proposed by France, subject to the replacement of "taking particular account of" by "while respecting". The delegate of Sweden agreed with the wording proposed by the delegate of France.

1.46 The Chairman urged the Committee to accept the text of subitem 3a) as proposed by the delegate of France.

1.47 It was so agreed.

The meeting rose at 1205 hours.

The Secretary:
G. KOVACS

The Chairman:
S. PINHEIRO



GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING
SEANCE PLENIERE
SESSION PLENARIA

MINUTES
OF THE
THIRD PLENARY MEETING

PROCES-VERBAL
DE LA
TROISIEME SEANCE PLENIERE

ACTA
DE LA
TERCERA SESION PLENARIA

Insert a new paragraph after § 7.1 as follows/Ajouter le nouveau paragraphe apres § 7.1 comme suit/Añádase un nuevo párrafo después del § 7.1 como sigue:

7.1 bis The delegate of Spain observed that Document 6, to which Document 47 referred, had not been discussed at the Radiocommunication Assembly. In that connection, he stated that he disagreed with the conclusions reached in respect of Resolution 61, 107 and 109 and Recommendations 704 and 714.

7.1 Le délégué de l'Espagne indique que le Document 6, auquel il est fait référence dans le Document 47, n'a pas été examiné par l'Assemblée des radiocommunications et, à cet égard, déclare qu'il n'est pas conforme aux conclusions sur les Résolutions 61, 107 et 109 et sur les Recommandations 704 et 714.

7.1 El delegado de España indica que el Documento 6, al que se hace referencia en el Documento 47, no fue examinado en la Asamblea de Radiocomunicaciones y, a este respecto, declara que no está conforme en cuanto a las conclusiones sobre las Resoluciones 61, 107 y 109, y sobre las Recomendaciones 704 y 714.



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

GENEVA, 15-19 NOVEMBER 1993

Document 73-E
18 November 1993
Original: English

PLENARY MEETING

MINUTES

OF THE

THIRD PLENARY MEETING

Thursday, 18 November 1993, at 1405 hours

Chairman: Mr. V. TIMOFEEV (Russian Federation)

Subjects discussed

Documents

- | | | |
|----|---|-----------|
| 1. | Requests for participation received from international organizations (continued) | 15(Add.1) |
| 2. | Report of Committee 2 | 51 |
| 3. | Report of Committee 3 | 52 |
| 4. | Oral report by the Chairman of Committee 4 | - |
| 5. | First series of texts submitted by the Editorial Committee for first reading (B.1) | 53 |
| 6. | Second series of texts submitted by the Editorial Committee for first reading (B.2) | 54 |
| 7. | Report from the Radiocommunication Assembly | 47 |
| 8. | Draft Recommendation on the convening of a regional radiocommunication conference | 56 |

**1. Requests for participation received from international organizations (continued)
(Addendum 1 to Document 15)**

1.1 The Chairman invited the meeting to consider Addendum 1 to Document 15.

1.2 It was agreed that the Gulf Cooperation Council (GCC) should be admitted to participate in the Conference in an advisory capacity.

2. Report of Committee 2 (Document 51)

2.1 The Chairman of Committee 2, introducing the report in Document 51, said that the Committee had held two meetings and had established a Working Group to verify the credentials of delegates and examine the deposit of transfer of powers. He drew attention to the closing remarks in paragraph 5 recommending that he and the Vice-Chairmen be authorized to verify credentials received after the date of the report. In the light of that paragraph, he proposed that the credentials of Slovenia and Venezuela should be admitted.

2.2 The Executive Secretary said that if that proposal was accepted the names of the two countries would be deleted from section 4 of the Annex to Document 51 and included, in the case of Slovenia, in section 1 and, in that of Venezuela, in section 2 of the Annex.

2.3 It was so agreed.

2.4 The report of Committee 2 (Document 51), together with its Annex as amended, was approved.

3. Report of Committee 3 (Document 52)

3.1 The Chairman of Committee 3, introducing the report in Document 52, said that the Committee had met twice and had considered the matters arising from its terms of reference. He drew attention to the fact that the budget for the Radiocommunication Assembly and the World Radiocommunication Conference together had been set at 1 580 000 Swiss francs, of which 554 000 Swiss francs were for the latter; at 15 November it had been estimated that total expenditure for the Conference would be 476 000 Swiss francs, leaving an overall provisional saving of 90 000 Swiss francs. It should also be noted that a number of the entities and organizations authorized to participate and contributing to the expenses of the Conference had responded encouragingly, and it was hoped that the remainder would follow suit. In conclusion, he thanked all the members of Committee 3 for their diligence and the ITU Secretariat for its support.

3.2 The report of Committee 3 (Document 52) was approved.

4. Oral report by the Chairman of Committee 4

4.1 The Chairman of Committee 4 said that the Committee had completed its work and that the two draft Resolutions it had considered would shortly be submitted to the Plenary in Documents 53 and 54 respectively. He thanked the Chairmen and Secretaries of Working Groups 4A and 4B for all their efforts.

**5. First series of texts submitted by the Editorial Committee for first reading (B.1)
(Document 53)**

Resolution No. [COM4/1]

5.1 In response to a comment by the delegate of Spain concerning the Spanish text of **recognizing further**, the Chairman of Committee 5 suggested that the delegate of Spain might wish to confer with other members of Committee 5 with a view to ensuring that the Spanish text was in line with the other language versions.

5.2 The delegate of New Zealand, referring to **recognizing further b)**, said that as it was not yet known which frequency bands would be included under that item, he considered either that the text should read: "the need to maintain and protect existing services" or, if it was to be kept in its entirety, that it should be moved to another place in the draft Resolution so as to avoid prejudging the contents of the **resolves** section. The delegate of Saudi Arabia having observed that the phrase in question was a very general statement which could therefore perfectly well remain where it was, the delegate of New Zealand said that he would not press the point.

5.3 The delegate of Morocco said that he could accept the text of **recognizing further b)** as it stood, on the understanding that recognition of the need to protect services was not taken to imply any "freezing" of the spectrum so that there could be no change in the future.

5.4 It was so agreed.

5.5 In response to a question by the Chairman concerning the first phrase under **resolves**, the Chairman of Committee 4 said that the word "four" had originally been placed in square brackets as it had not been possible at the outset to envisage an appropriate duration for the 1995 Conference without first having discussed the contents of the agenda in greater detail. He suggested that the square brackets might now be deleted.

5.6 The Legal Adviser observed that the Conference was required to prepare an agenda for WRC-95 but was not specifically called upon to recommend its duration; therefore, if such was the wish of the meeting, the number of weeks could be left blank.

5.7 The Chairman said that if he heard no objection he would take it that the square brackets could be deleted from around the word "four", bearing in mind that the final decision on the duration of WRC-95 would be taken by the Council, having regard to the current Conference's recommendation.

5.8 It was so agreed.

5.9 The delegate of Bangladesh requested that delegates be given advance notice of which agenda items were scheduled for consideration in each week of WRC-95 as it was difficult for administrations such as his own to maintain a full delegation at the Conference for its entire duration.

5.10 The delegate of the United Kingdom, while not wishing to open a debate on the matter at the current time, considered that some thought might be given in the future to the principle of holding radiocommunication assemblies prior to, rather than after, world radio conferences, as that would enable the former to have a better understanding of the scope of future conference agendas and thus facilitate their work.

5.11 The Chairman said that the comments of the two previous speakers would be noted.

5.12 It was agreed to defer consideration of items 2.1 and 3 pending distribution of a revised version of the text.

5.13 At the suggestion of the Chairman of Committee 5, it was agreed to delete the square brackets in the second line of item 5 on the understanding that the figures in question would be altered subsequently if necessary.

5.14 Referring to item 6.2, the delegate of Morocco proposed that the words "the provisional agenda" should be amended to read "to give its views on the preliminary agenda", in the interest of consistency with the relevant provisions of the Convention.

5.15 It was so agreed.

5.16 In response to a question by the delegate of Morocco in respect of item 6.3 concerning the identification of matters to be studied by the radiocommunication study groups, the Director of the Radiocommunication Bureau said that it had been past practice to assume that issues placed on the agenda of a radio conference represented priority areas for study, although of course that did not preclude the possibility of drawing attention to more specific areas requiring priority action.

5.17 Referring to **instructs the Secretary-General**, the delegate of Morocco asked whether it would be appropriate to communicate the text of the Resolution to concerned international regional organizations prior to its adoption by the Council. The Secretary-General replied that the text might be transmitted as a Resolution adopted by the Conference, with a covering note indicating that final approval of the agenda would be given by the Council.

5.18 The Chairman said that if he heard no objection he would take it that the meeting wished the Secretary-General to follow that course.

5.19 It was so agreed.

5.20 With the exception of items 2.1 and 3, draft Resolution No. [COM4/1], as amended, was approved on first reading.

6. Second series of texts submitted by the Editorial Committee for first reading (B.2) (Document 54)

Resolution No. [COM4/2]

6.1 Referring to **considering further** a), the delegate of Morocco asked whether the reference to APP-92 Resolution 8 was necessary.

6.2 The Chairman of the VGE said that Resolution 8 related to the work of the VGE, which he hoped would be reflected in the results of WRC-95. If any further work was needed, it would be carried out on the basis of a decision by WRC-95. He therefore suggested that the reference to Resolution 8 should be deleted.

6.3 It was so agreed.

6.4 Referring to **is of the view**, the delegate of Sweden said that a Resolution should resolve something. He therefore suggested that the text should be amended to read **"resolves to give the view"**.

6.5 It was so agreed.

6.6 The delegate of the United Kingdom said that the agenda being suggested for WRC-97 was necessarily of a more preliminary nature than the one recommended for WRC-95. The wording of the respective Resolutions should reflect that difference and he suggested that the phrase following **is of the view** should be amended to refer to the "preliminary" agenda of WRC-97, so as to be consistent with the title of the Resolution.

6.7 It was so agreed.

6.8 The delegate of Morocco said that, in view of the preliminary nature of the agenda, it was premature to attempt to establish the duration of the Conference. He therefore suggested that the words "for a period of [four] weeks" should be deleted.

6.9 It was so agreed.

6.10 The Chairman informed the meeting that item 3.1 was not yet submitted for discussion.

6.11 The delegate of the United Kingdom, supported by the delegate of Morocco, expressed the view that item 3.2 should be deleted because of its broad scope. The Chairman of Committee 4 explained that item 3.2 was simply intended to lead into the list that followed. The delegates of Germany and Australia endorsed that interpretation, and the latter suggested, for clarity, that the text of item 3.2 should be amended by including, at the end, the words "as follows".

6.12 It was so agreed.

6.13 Referring to item 3.2.1, the Chairman of Committee 4 informed the meeting that "[30]" should be replaced by "50". The delegate of the United Kingdom pointed out that, to be correct, the text should refer to "Earth exploration-satellite (passive) service".

6.14 It was so agreed.

6.15 The Chairman informed the meeting that item 3.3 was not yet submitted for discussion.

6.16 The delegate of New Zealand having drawn attention to the need for editorial amendments to items 3.4, 3.5, 3.6 and 3.7 to align the style with that of the other items in the list, it was agreed to leave it to the Editorial Committee to make the necessary changes.

6.17 The Chairman informed the meeting that item 3.7 was not yet submitted for discussion.

6.18 On a proposal by the delegate of Sweden, it was agreed to amend the text of item 5 to read "... and give its views on a preliminary agenda for the 2001 World Radiocommunication Conference".

6.19 The delegate of Kenya pointed out that the draft Resolution failed to mention the Council. He therefore suggested the inclusion of a suitable text. The delegate of Finland said that the text should also make it clear that the suggested agenda for WRC-97 should be transmitted to WRC-95. Following some discussion, the Chairman of Committee 4 suggested the inclusion of the following new text "**invites the Council** to consider the views given in this Resolution", as well as the insertion under **instructs the Secretary-General** of the phrase "to communicate this Resolution to WRC-95".

6.20 It was so agreed.

6.21 The delegate of Finland expressed the concern that, having deleted any reference to the duration of WRC-97, there was no basis for estimating the financial implications of the Conference. The Chairman replied that the preliminary nature of the agenda for WRC-97 made any attempt to estimate financial consequences premature.

6.22 With the exception of items 3.1, 3.3 and 3.7, draft Resolution No. [COM4/2], as amended, was approved on first reading.

7. Report from the Radiocommunication Assembly (Document 47)

7.1 The Chairman of the Radiocommunication Assembly said that, not knowing exactly what information the Conference required, the report in Document 47 simply indicated the documentary sources for information on the action taken in response to Resolution No. 94 (WARC-92), the Recommendations adopted by the Radiocommunication Assembly, and the Questions currently or about to be studied by the ITU-R study groups.

7.2 The report from the Radiocommunication Assembly (Document 47) was noted.

8. Draft Recommendation on the convening of a regional radiocommunication conference (Document 56)

8.1 The delegate of Morocco, introducing the draft Recommendation in Document 56, said that the indented text under **invites the Council** 1 should be amended to read as follows: "to revise Article 4 of the Geneva 1975 Agreement on MF Broadcasting taking account of the decisions of the 1995 World Radiocommunication Conference relating to VGE Recommendations and to adopt any additional provisions".

8.2 The delegate of the United States supported the draft Recommendation, as amended by the delegate of Morocco.

8.3 The delegate of the United Arab Emirates, while acknowledging the geopolitical changes that had taken place in Regions 1 and 3, expressed reservations concerning any revision of the Geneva 1975 Plan with respect to the LF bands.

8.4 Responding to a query by the delegate of France, the Chairman of the VGE said that the VGE was developing a standardized procedure for coordination and notification, which would be useful in reviewing procedures under Article 4 of the Geneva 1975 Agreement.

8.5 Replying to a question by the delegate of Ukraine, the delegate of Morocco explained that the regional radiocommunication conference contemplated in the draft Recommendation would not modify the Plan but would only deal with procedures for making local arrangements between administrations under Article 4 of the Agreement.

8.6 At the suggestion of the delegate of Saudi Arabia, it was agreed to replace "**invites the Council**" by "**recommends to the Council**".

8.7 The draft Recommendation in Document 56, as amended, was approved.

The meeting rose at 1555 hours.

The Secretary-General:
P. TARJANNE

The Chairman:
V. TIMOFEEV



COMMITTEE 3

SUMMARY RECORD
OF THE
SECOND AND LAST MEETING OF COMMITTEE 3
(BUDGET CONTROL)

Thursday, 18 November 1993, at 1005 hours

Chairman: Mr. G. KITHINJI (Kenya)

Subject discussed

Documents

1. Note by the Chairman of Committee 4 to the
Chairman of Committee 3
2. Draft report of the Budget Control Committee
to the Plenary Meeting

48

DT/9

1. Note by the Chairman of Committee 4 to the Chairman of Committee 3 (Document 48)

1.1 The Committee took note of Document 48.

2. Draft report of the Budget Control Committee to the Plenary Meeting (Document DT/9)

2.1 The Chairman introduced Document DT/9 and its annexes.

Sections 1, 2, 3, 4, 5, 6 and 7

2.2 Apart from three minor errors of presentation, which were pointed out by the delegates of Japan and Switzerland, sections 1 to 7 were approved without comment.

Annex 1

2.3 Annex 1 was approved without comment.

Annex 2

2.4 The Secretary of the Committee reported that since Document DT/9 had been issued the European Space Agency (ESA) had notified its choice of 1/2 unit as its class of contribution to the expenses of the Conference. The other entities and organizations which were not exempt but had not yet chosen their class of contribution had been reminded of the need to do so.

2.5 In response to a concern expressed by the delegate of Switzerland, he said that although the time-limit for notifying the choice of class of contribution had expired the previous day, allowance should be made for the fact that the Conference was very short and that some delegations needed time to make contact with their headquarters. Where necessary, the matter would be pursued by correspondence after the Conference, and any developments would be reflected in the accounts submitted to the next session of the Council.

2.6 The delegate of Japan, supported by the delegate of Italy, said that Annex 2 should perhaps be broken down into two separate annexes in order to distinguish more easily between those entities and organizations which were exempt from any contribution and those which were required to contribute.

2.7 The Secretary of the Committee said that although it was too late in the day to put that suggestion into effect before that afternoon's Plenary Meeting, it would be taken into account in the future.

2.8 On that understanding, Annex 2 was approved.

2.9 The Chairman said that the report would be submitted to the Plenary Meeting, due note having been taken of the comments and suggestions made during the discussion.

The meeting rose at 1020 hours.

The Secretary:
A. TAZI-RIFFI

The Chairman:
G. KITHINJI



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 75-E
18 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

COMMITTEE 2

SUMMARY RECORD
OF THE
SECOND AND LAST MEETING OF COMMITTEE 2
(CREDENTIALS)
Thursday, 18 November 1993, at 0900 hours
Chairman: Mr. B. AGNAN (Benin)

Subjects discussed

1. First report of Working Group 2A
2. Draft report to the Plenary Meeting

Documents

49

DT/10

1. First report of Working Group 2A (Document 49)

1.1 The first report of Working Group 2A was approved.

2. Draft report to the Plenary Meeting (Document DT/10)

2.1 In response to a question by the delegate of the United States, the Secretary of the Committee said that of the delegations present at the Conference a total of 15 had not yet deposited their credentials or requested provisional accreditation. However, even after approval of the Committee's report by the Plenary, any delegations which had still not done so would be able to submit their credentials for examination by the Chairman and/or Vice-Chairman, in which case a corresponding addendum or modification to the report would be issued.

2.2 In response to a question by the delegate of France concerning the absence of any reference in the document to a transfer of powers from Iceland to Norway, the Secretary of the Committee said that, unlike the case of Liechtenstein, which had not sent its own delegation to the Conference, the delegation of Iceland was present, having sent a simple note to the Chairman of the Conference in accordance with No. 336 of the Geneva Convention. Since the latter had approved the communication by the delegation of Iceland, the matter fell within the competence of the Chairman of the Conference rather than of the Committee.

2.3 Replying to a request for clarification by the delegate of the United States, the Secretary of the Committee confirmed that delegations which by the close of the Conference had not submitted credentials in due order would not be entitled to sign the Final Acts at the closing ceremony.

2.4 The Committee approved the draft report in Document DT/10 for submission to the Plenary Meeting.

2.5 The Chairman thanked the participants for their efforts and declared that the Committee had completed its work.

The meeting rose at 0910 hours.

The Secretary:
X. ESCOFET

The Chairman:
B. AGNAN



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 76-E
18 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

MINUTES

OF THE

FOURTH PLENARY MEETING

Thursday, 18 November 1993, at 1730 hours

Chairman: Mr. V. TIMOFEEV (Russian Federation)

Subjects discussed

Documents

- | | | |
|----|---|----|
| 1. | Oral report by the Chairman of Committee 2 | - |
| 2. | Third series of texts submitted by
the Editorial Committee for first reading (B.3) | 58 |

1. Oral report by the Chairman of Committee 2

1.1 The Chairman of Committee 2 informed the meeting that the Angolan delegation had arrived at the Conference and had presented its credentials which had been found to be in order. Slovakia too had presented credentials which were in order.

1.2 The Secretary of Committee 2 said that a corrigendum to the report by Committee 2 to the Plenary Meeting (Document 51) would be issued.

2. Third series of texts submitted by the Editorial Committee for first reading (B.3) (Document 58)

2.1 Following introductory remarks by the Chairman of Committee 5, the Chairman of Committee 4 also commented briefly on Document 58 and suggested that the meeting might wish to consider first those sections which did not appear in square brackets.

Resolution No. [COM4/1] (continued)

2.2 The Chairman invited delegates to consider the new version of paragraphs 2.1 and 3 of draft Resolution No. [COM4/1], the remainder of which had been approved on first reading at the previous meeting.

Paragraph 2.1

2.3 The delegate of Bangladesh proposed that the words "with due regard" in the second line of the paragraph should be replaced by "with due protection" in order to reflect his Administration's understanding of the clause. The Chairman of Committee 4 observed that even very minor amendments might give rise to lengthy discussions. The delegate of Bangladesh agreed to withdraw his proposal providing it was noted that the expression "with due regard to" was understood to imply the concept of protection.

2.4 It was so agreed.

2.5 It was agreed to defer discussion of subparagraph a), which appeared in square brackets.

2.6 The delegates of Morocco and the United States said that their acceptance of subparagraph b) was provisional, subject to consideration of the entire document.

2.7 Subject to the above comments, and with the exception of subparagraph a), paragraph 2.1 was approved on first reading.

Paragraph 3

2.8 The delegate of China having recalled the views expressed by his delegation in Committee 4 with regard to WARC-92 Resolution No. 524, and in particular its opposition to the use of the expression "in accordance with Resolution No. 524", proposed that both **resolves** 1 and 2 of that Resolution should be mentioned in subparagraph a).

2.9 The Chairman of Committee 4 having observed that that particular text represented perhaps the hardest-won compromise reached by Committee 4, the delegate of Morocco said that the only mention of Resolution No. 524 in the draft Resolution was in that subparagraph, and that the Chinese delegation therefore had good reason to propose the inclusion of a reference to **resolves** 1. However, a more appropriate place for such a reference might be in a more general clause elsewhere in the text.

2.10 The delegates of Italy, Greece and Côte d'Ivoire supported the inclusion of such a reference, along the lines proposed by the delegate of Morocco.

2.11 During the ensuing discussion the delegate of France said that he did not interpret the text of the subparagraph to mean that only **resolves** 2 should be taken into account, the delegate of Morocco proposed alternative wording, the delegate of Sweden urged that the text be left unchanged, and the delegate of the United States said that the reference should be amended to read: "in accordance with Resolution No. 524".

2.12 Summing up, the Chairman said that a majority of delegates appeared to be in favour of leaving the text of subparagraph a) as it stood; accordingly, further thought might perhaps be given to the Moroccan proposal to include a general reference to Resolution No. 524 elsewhere in the draft Resolution. The delegate of Morocco, supported by the delegate of the United States, suggested that the matter might be discussed informally and taken up again at a later stage, subparagraph a) being placed in square brackets for the time being.

2.13 It was so agreed.

2.14 It was further agreed to defer discussion of subparagraph d), which appeared in square brackets.

2.15 With the exception of subparagraphs a) and d), paragraph 3 was approved on first reading.

Resolution No. [COM4/2] (continued)

2.16 The Chairman invited delegates to consider the new version of paragraphs 3.2.1, 3.3 and 3.7 of draft Resolution No. [COM4/2], the remainder of which had been approved on first reading at the previous meeting.

Paragraph 3.2.1

2.17 Approved.

Paragraph 3.3

2.18 The delegate of Norway recalled that he had reserved his delegation's position on the paragraph in Committee 4. He was dissatisfied with its wording and in particular with the term "question", which was very vague.

2.19 The delegate of Italy, supporting the previous speaker, stated that in agreeing to the use of the term "question", his delegation interpreted the phrase to which it belonged as meaning the utilization of the bands allocated since WARC-79.

2.20 The delegate of Norway having requested confirmation of that interpretation and the Chairman of Committee 4 having commented on the importance of certain items or phrases in texts which represented compromises, the delegate of the United Kingdom, recalling the discussions which had taken place in Committee 4, said that the scope of the item under discussion was interpreted differently by different parties and that it had not been possible to produce a clear definition which was universally acceptable. However, there was general agreement that HFBC should be included in the WRC-97 agenda on the understanding that, as he had pointed out in Committee 4, the agenda was still only a preliminary one and could be fine-tuned by WRC-95 prior to its submission to the Council. The wording had therefore deliberately been left vague, which was acceptable in the case of a preliminary agenda.

2.21 The delegate of Italy having restated his country's interpretation of the phrase in question and the delegate of Israel having suggested alternative wording, the delegate of Venezuela pointed out that the original language of paragraph 3.3 was Spanish and that he was therefore able to endorse the explanation by the delegate of the United Kingdom. The delegate of Mexico, whose Administration had produced the original proposal, also expressed his agreement with that explanation.

2.22 The Chairman of Committee 4 suggested that, in the absence of an alternative more satisfactory compromise text, the paragraph should be approved as it stood.

2.23 The delegate of Norway said that the matter he had raised was an important one and, despite the explanations and comments offered, the situation was still not clear. However, if the meeting saw fit to accept paragraph 3.3 as it stood, he would, albeit reluctantly, withdraw his reservation.

2.24 The delegate of New Zealand observed that editorial amendments might be required to the paragraph in order to align it with the first part of paragraph 3. The delegate of the United Kingdom emphasized that the text represented an extremely delicate compromise and, in his view, should not be edited in any way. Instead of appearing as part of paragraph 3, it might usefully be the subject of a separate item, thus avoiding any need for editing.

2.25 It was so agreed.

2.26 On that understanding, paragraph 3.3 was approved on first reading.

2.27 The delegate of Algeria, supported by the Chairman of Committee 4, drew the attention of Committee 5 to the need to align the text in the three working languages, the English being the correct version.

Paragraph 3.7

2.28 The delegate of the United States said that, as he had proposed in respect of the relevant paragraph of Resolution No. [COM4/1], "taking particular account of **resolves** 2 of Resolution No. 524" should be replaced by "in accordance with Resolution No. 524". The delegate of Morocco, observing that the same wording should be used in both paragraphs, suggested that paragraph 3.7 should be placed in square brackets until agreement had been reached on paragraph 3a) of Resolution No. [COM4/1].

2.29 It was so agreed.

2.30 In reply to a query by the delegate of the United States, the Chairman of Committee 4 and the Chairman confirmed that paragraph 3.1 of Resolution No. [COM4/2] had been placed in square brackets by Committee 4 and would be taken up in due course by the Plenary.

The meeting rose at 1840 hours.

The Secretary-General:
P. TARJANNE

The Chairman:
V. TIMOFEEV



PLENARY MEETING

MINUTES

OF THE

SIXTH PLENARY MEETING

Friday, 19 November 1993, at 1130 hours

Chairman: Mr. V. TIMOFEEV (Russian Federation)

Subject discussed

Documents

1. Noting of declarations

57

1. Noting of declarations (Document 57)

1.1 The Chairman drew attention to the declarations set out in Document 57 and reminded delegates that, in accordance with the usual practice, there would be no discussion of declarations. Any editorial amendments could be handed directly to the Secretariat.

1.2 The meeting took note of the declarations in Document 57.

The meeting rose at 1140 hours.

The Secretary-General:

P. TARJANNE

The Chairman:

V. TIMOFEEV



INTERNATIONAL TELECOMMUNICATION UNION

WRC-93

WORLD RADIOCOMMUNICATION
CONFERENCE

Document 78-E
19 November 1993
Original: English

GENEVA, 15-19 NOVEMBER 1993

PLENARY MEETING

MINUTES

OF THE

SEVENTH AND LAST PLENARY MEETING

Friday, 19 November 1993, at 1630 hours

Chairman: Mr. V. TIMOFEEV (Russian Federation)

Subjects discussed

1. Noting of additional declarations
2. Signature of the Final Acts
3. Closure of the Conference

Documents

68

-

-

1. Noting of additional declarations (Document 68)

1.1 At the invitation of the Chairman, the meeting took note of the additional declarations in Document 68.

2. Signature of the Final Acts

2.1 The Executive Secretary, after explaining the procedure to be followed for the signing ceremony, called the roll of those delegations whose credentials had been found to be in order.

2.2 The Final Acts were signed by the 107 countries listed in Annex 1.

3. Closure of the Conference

3.1 The Director of the Radiocommunication Bureau delivered the address reproduced in Annex 2.

3.2 The Secretary-General delivered the address reproduced in Annex 3 and presented the Chairman with the silver medal of the ITU.

3.3 The Chairman said that the results of the Conference would no doubt go down in the annals of the ITU, not only because it was the first Radiocommunication Conference to be held since the Additional Plenipotentiary Conference in 1992 but also, and above all, on account of the truly historical decisions it had taken. Thanks to delegates' contributions, hard work and competence, a unique compass had been created to keep the development of virtually all areas of radiocommunication on course at the turn of a century. The decisions of the Conference would serve as a guide not only for ITU Members but for many industrial, broadcasting and other related organizations in the radiocommunication field. It now remained to ensure successful implementation of those decisions. The key to the success of the Conference lay in the fact that, despite conflicting proposals and arduous discussions, a spirit of cooperation had prevailed in an atmosphere of mutual respect, and everyone had shown a desire to reach a genuine consensus in the true ITU tradition.

3.4 A substantial agenda had been drawn up for the World Radiocommunication Conference to be held in 1995, but he was sure that those high expectations would be met, and that both the 1995 and the 1997 Conferences would be successful. In that context he had great pleasure, on behalf of the Head of delegation and Minister of Posts and Telecommunications of the Russian Federation, to offer to host the 1995 World Radiocommunication Conference in Moscow, where all delegations would be assured of a warm welcome despite the cold autumn climate.

3.5 In conclusion, both personally and on behalf of all participants, he expressed his deep gratitude to the Secretary-General, the Director of the Radiocommunication Bureau, the Secretary of the Conference and the Executive Secretary as well as all members of the ITU Secretariat who had assisted throughout the Conference. He also expressed his sincere thanks to the Chairmen of the Committees and Working Groups of the Conference, and to all delegates for the confidence they had shown in him and for their unfailing support. He wished all participants a safe journey home, and looked forward to seeing them again in Moscow in 1995.

3.6 The Chairman of the VGE expressed his satisfaction that the VGE's work was reaching its conclusion and that its recommendations would be considered by the 1995 Conference. Speaking as the delegate of Sweden, he congratulated the Chairman on the highly professional and no less kindly manner in which he had led the current Conference to a successful conclusion.

3.7 The delegate of Tonga expressed his delegation's appreciation of the Chairman's able conduct of the Conference proceedings. He took the opportunity to inform the Conference of the successful launching the previous day of Tonga's second satellite. Lastly, referring to his Administration's proposals, he wished to dispel any misunderstanding that might have arisen in that respect; the ITU Secretariat was to be commended on its generous and unselfish assistance, and the intention behind the Tongan proposals had been to promote a system whereby the staff would in the future be offered even more scope to perform their tasks effectively within the ITU.

3.8 The observer for the Asia-Pacific Broadcasting Union congratulated the Chairman on guiding the Conference to a successful conclusion.

3.9 The delegate of Morocco, speaking on behalf of all delegations, thanked the Chairman for having so effectively chaired the Conference.

3.10 The delegate of the United Kingdom, speaking on behalf of the CEPT countries, thanked the Chairman for guiding the Conference to a successful conclusion in difficult circumstances, and said that he looked forward to attending the 1995 Conference in Moscow.

3.11 The delegate of Mauritius expressed his delegation's thanks to the Chairman and to the ITU for the successful organization and conclusion of the Conference.

3.12 The delegate of the Republic of Korea expressed his satisfaction at the successful conclusion of the first Radiocommunication Conference under the new ITU structure and in advance cordially welcomed all ITU Members which were also members of the Universal Postal Union to the UPU Conference to be held Seoul in August-September 1994.

3.13 The delegate of the United States joined previous speakers in commending the Chairman on his leadership of the Conference.

3.14 The Chairman declared the World Radiocommunication Conference closed.
The meeting rose at 1750 hours.

The Secretary-General:
P. TARJANNE

The Chairman:
V. TIMOFEEV

Annexes: 3

ANNEX 1

List of Members having signed the Final Acts of the World Radiocommunication Conference held in Geneva, 15-19 November 1993:

Albania (Republic of), Algeria (People's Democratic Republic of), Germany (Federal Republic of), Angola (Republic of), Saudi Arabia (Kingdom of), Argentine Republic, Armenia (Republic of), Australia, Austria, Bahamas (Commonwealth of the), Bahrain (State of), Bangladesh (People's Republic of), Barbados, Belarus (Republic of), Belgium, Benin (Republic of), Brazil (Federative Republic of), Brunei Darussalam, Bulgaria (Republic of), Burkina Faso, Cameroon (Republic of), Canada, China (People's Republic of), Cyprus (Republic of), Vatican City State, Colombia (Republic of), Korea (Republic of) Côte d'Ivoire (Republic of), Croatia (Republic of), Cuba, Denmark, Djibouti (Republic of), Egypt (Arab Republic of), United Arab Emirates, Ecuador, Eritrea, Spain, Estonia (Republic of), United States of America, Finland, France, Gabonese Republic, Gambia (Republic of the), Ghana, Greece, Guinea (Republic of), Hungary (Republic of), India (Republic of), Indonesia (Republic of), Iran (Islamic Republic of), Ireland, Iceland, Israel (State of), Italy, Japan, Kenya (Republic of), Kuwait (State of), Latvia (Republic of), Liechtenstein (Principality of), Luxembourg, Malaysia, Malta, Morocco (Kingdom of), Mauritius (Republic of), Mexico, Micronesia (Federated States of), Moldova (Republic of), Monaco (Principality of), Mongolia, Mozambique (Republic of), Myanmar (Union of), Niger (Republic of the), Norway, New Zealand, Oman (Sultanate of), Pakistan (Islamic Republic of), Papua New Guinea, Netherlands (Kingdom of the), Poland (Republic of), Portugal, Democratic People's Republic of Korea, Slovak Republic, Czech Republic, Romania, United Kingdom of Great Britain and Northern Ireland, Russian Federation, Rwandese Republic, San Marino (Republic of), Senegal (Republic of), Singapore (Republic of), Slovenia (Republic of), Sri Lanka (Democratic Socialist Republic of), Sweden, Switzerland (Confederation of), Suriname (Republic of), Tanzania (United Republic of), Chad (Republic of), Thailand, Togolese Republic, Tunisia, Turkey, Ukraine, Uruguay (Eastern Republic of), Venezuela (Republic of), Viet Nam (Socialist Republic of), Yemen (Republic of), Zimbabwe (Republic of).

ANNEX 2

Address by the Director of the Radiocommunication Bureau

Mr. Chairman,
Ladies and Gentlemen,

This is intended to be a closing ceremony, but in reality this moment seems more an opening than a closing, the scene has been set and the curtain parted. The ITU has set for 1995 objectives to expand the possibilities and simplify the processes for all countries to benefit from advanced radiocommunications. In 24 months WRC-95 will see the fruits of this effort.

I mentioned earlier some important progress already made by radiocommunication study groups on satellite service questions put by WARC-92. This work continues, but I wanted to alert those of you who have not been following closely the Radiocommunication Assembly work in the last week that the first Conference Preparatory Meeting, a short meeting to inventory and organize the preparatory work for the agenda that you have proposed for WRC-95, will be held from 21 to 23 February, that is in three months' time, in Geneva. A circular-letter will be sent to all Members within the next ten days inviting participation. The second and final Conference Preparatory Meeting, to prepare and submit the report to the Conference, is foreseen for 19 March to 7 April 1995. Our good friend and Chairman of Committee 4, Savio Pinheiro, will chair these meetings.

The new opportunities in radiocommunication have certainly speeded the pace of ITU work and clearly placed greater demands on most Members; this must only be seen as an investment in the rich benefits of improved global telecommunications.

ANNEX 3

Address by the Secretary-General

Mr. Chairman,

Excellencies,

Distinguished Delegates,

Ladies and Gentlemen,

Dear Friends,

Yet another ITU Conference is coming to a close

Yet another first of its kind and

yet another unique conference

yet another successful conference

in that it managed to reach its goal. We now have recommendations for an agenda for the next World Radiocommunication Conference in 1995 and a preliminary agenda for the following WRC in 1997.

However, there are several questions in my mind. The first one is the following: already in the early stages of the preparations for this Conference many people asked whether it was really reasonable to use a whole week of several hundred people in order only to prepare a couple of draft agendas. As it turned out, we needed in addition three night meetings and one very early morning meeting. We thus needed a lot more time, energy and money to conclude our work.

Just three weeks ago I presented the restructured ITU as a good and efficient example for the rest of the United Nations family when speaking to the executive heads of the UN specialized agencies under the chairmanship of Dr. Boutros Boutros-Ghali, Secretary-General of the United Nations, in New York. Fortunately, that was before this Conference; now I might have lacked the courage.

Why do we have these problems? Certainly not because of the Conference leadership. The Chairman was extremely professional and efficient. Rather I should like to take the blame, at least partly, upon myself. The conference preparations were apparently not, maybe for many reasons, absolutely impeccable. But my personal opinion is, and I want to state it here, that not all of us have yet been filled with the spirit of the new ITU. Action-oriented, forward-looking efficiency was not, let us all admit it, a major component of the atmosphere of this Conference.

But I am still an optimist. I am sure that we will find the right keys for improvement. I personally will take up these problems next week in our Coordination Committee and I am sure that we will find ways and means to improve our work and our contributions from the Secretariat. Thus, I am looking forward to a better WRC in 1995 and an even better one in 1997. I also seriously appeal to all of you, Ladies and Gentlemen, to commit yourselves to working towards less frustrating and more efficient ITU conferences in the years to come.

Mr. Chairman, I mentioned earlier that we have had the privilege of enjoying excellent leadership by professional chairmen during the week. You are, of course, Mr. Chairman, the star of stars. Your performance has been the key to the timely success of our Conference and you have surpassed the normal criteria for reaching up to this silver medal of the ITU. It is with deep appreciation and gratitude that I present this medal to you on behalf of all of us. You have set an outstanding example to all of us, now and for the years to come.



PLENARY MEETING

MINUTES
OF THE
FIFTH PLENARY MEETING

Thursday, 18 November 1993, at 2035 hours

Chairman: Mr. V. TIMOFEEV (Russian Federation)

Subjects discussed

Documents

1.	Third series of texts submitted by the Editorial Committee for first reading (B.3) (continued)	58
2.	Draft preamble of the Final Acts of the Conference	63
3.	Fourth series of texts submitted by the Editorial Committee for first reading (B.4)	67
4.	Texts submitted for second reading	67
5.	First series of texts submitted by the Editorial Committee for second reading (R.1)	65
6.	Second series of texts submitted by the Editorial Committee for second reading (R.2)	66
7.	Texts submitted for second reading	58
8.	Note by the Chairman of the Conference	DT/11
9.	First Conference Preparatory Meeting	-
10.	Statement by the delegate of the United States	-

**1. Third series of texts submitted by the Editorial Committee for first reading (B.3)
(continued) (Document 58)**

Resolution No. [COM4/1] (continued)

Paragraphs 2.1 and 3 (continued)

1.1 The Chairman invited the delegate of the United Kingdom to inform the meeting of the results of the informal consultations on paragraph 2.1a).

1.2 The delegate of the United Kingdom reported that there were on the one hand delegations which were concerned that the question of frequency allocations to mobile-satellite services should not be reopened in 1995, and on the other hand delegations which were interested in keeping open for 1995 the option of allowing some freedom to amend such allocations. However, as it had thus far not been possible to identify allocations which might be considered, no new text had been prepared.

1.3 The Chairman of Committee 4 suggested that as no new text was proposed, the square brackets might be removed from around paragraph 2.1a) and any concerns expressed by delegations recorded in the minutes. The suggestion was supported by the delegates of Argentina, Venezuela and Brazil.

1.4 The delegate of Australia said that he could not accept the wording proposed in Document 58, first because it allowed too much scope for changes in mobile-satellite service frequency allocations too soon after WARC-92, and second because the limited time available at WRC-95 should be devoted primarily to the report of the VGE and related proposals. In his view, the scope for consideration of MSS frequency bands in 1995 should be limited, it being understood that the matter might be given closer consideration in 1997 if necessary. Accordingly, he proposed that paragraph 2.1a) should be amended to read "review the technical constraints associated with the frequency bands below 3 GHz allocated to the mobile-satellite service and associated provisions, resolutions and recommendations," and that paragraph 3d) should read "requirements for the MSS and associated feeder links".

1.5 The delegates of France, Belgium, Cuba and Spain supported the Australian proposal for paragraph 2.1a) but considered that paragraph 3d) could be deleted altogether.

1.6 The delegate of Côte d'Ivoire, referring to the French-language version of paragraph 2.1a), said that the verb "évaluer" would be more appropriate than "examiner". As the allocations arrived at during WARC-92 had been obtained in difficult conditions, some limited adjustment might be envisaged in 1995, and he therefore supported the retention of paragraph 3d).

1.7 The delegate of New Zealand supported the Australian proposal to include a reference to technical constraints in paragraph 2.1a).

1.8 The delegates of Saudi Arabia, Norway, Japan, the United Arab Emirates and Algeria supported both proposals by the delegate of Australia.

1.9 The delegate of Papua New Guinea, while sharing the view that the question of MSS frequency allocations should not be reopened completely, considered that some limited adjustment might be contemplated; however, he acknowledged that the main purpose of WRC-95 should be to discuss, and take action on, the VGE's report.

1.10 The delegates of Morocco and Mexico supported the wording proposed in Document 58 for both paragraphs 2.1a) and 3d), observing that the Council, in coming to a final decision, would no doubt take account of the views expressed during the present Conference.

1.11 The delegate of Israel, referring to the scope of paragraph 2.1a), endorsed the view that it was too soon after WARC-92 to open the way to extensive changes in allocations. He further considered that paragraph 3d) should be retained, subject to the addition of a reference to the need to protect the existing services to which the bands in question were allocated.

1.12 The delegate of Germany supported the Australian proposal for paragraph 2.1a) and said that, in a spirit of compromise, he would also be prepared to support that delegation's proposal for paragraph 3d), even though he would prefer the paragraph to be deleted altogether.

1.13 The delegate of the United Kingdom, emphasizing that the wording in Document 58 was not acceptable to his delegation, supported the Australian proposal.

1.14 The delegate of Viet Nam considered that both paragraphs should be approved as they stood in Document 58.

1.15 The delegate of Canada, after supporting the Australian proposal for paragraph 2.1a), suggested that the text of paragraph 3d) might be more acceptable if the words "if necessary" were substituted for "where necessary".

1.16 The delegate of the United States emphasized that the task of the current Conference was to prepare an agenda, and that consideration of other matters should await WRC-95. At the same time, the restructured ITU should remain sufficiently flexible to respond to new mobile-satellite service developments affecting both developed and developing countries. He endorsed the view that there was a substantive link between paragraphs 2.1a) and 3d) of draft Resolution No. [COM4/1] and considered that both of them should be retained.

1.17 The delegate of India drew attention to the interrelationship which existed between the two paragraphs under consideration and paragraph 3.1 of draft Resolution No. [COM4/2], and said that an opportunity must be provided in both 1995 and 1997 to take account of new developments in the mobile-satellite services while at the same time safeguarding the scope of each Conference. It seemed to him that the text proposed in Document 58 provided such safeguards.

1.18 The delegates of Kuwait and Ukraine said that they too could support the paragraphs as worded in Document 58.

1.19 The delegate of Sweden said it had been the intention of APP-92 to ensure that conference agendas were prepared in advance in order to expedite the necessary preparatory work. Since that aim would not be achieved unless the agendas were couched in fairly specific terms, he supported the Australian proposals for both the paragraphs under consideration.

1.20 The Chairman, summing up the discussion, said that there seemed to be two main schools of thought, some delegations being in favour of retaining both paragraphs as they stood in Document 58, whereas others supported the Australian proposal for paragraph 2.1a) together with some form of amendment of paragraph 3d).

1.21 Following further discussion of a largely procedural nature involving the delegates of Japan, Germany, Argentina, Brazil, Spain and Russia, the Chairman said that if he heard no objection he would take it that the meeting was prepared to accept paragraph 2.1a) as amended by the delegate of Australia and paragraph 3d) as amended by the delegate of Canada.

1.22 It was so agreed.

1.23 Paragraphs 2.1a) and 3d) of Resolution No. [COM4/1], as amended, were approved.

Paragraph 3a) (continued)

1.24 The delegate of Sweden said that after informal discussion of changes suggested by the delegate of Morocco, the following new wording, which his delegation could support, was proposed for paragraph 3a):

"Appendices 30 and 30A for Regions 1 and 3 in response to Resolution No. 524 (WARC-92), and taking particular account of **resolves 2** of that Resolution and with due regard to the advantage of taking into account, where practicable, the orbital arcs of Appendix 30B."

1.25 The delegates of Italy, Brazil and Syria supported the proposal.

1.26 Paragraph 3a) of Resolution No. [COM4/1], as amended, was approved.

1.27 The delegate of Australia recalled that on a previous occasion his delegation had raised the question of expanding the reference to the Conference Preparatory Meeting in paragraph 3 of Resolution No. [COM4/1]. In order to avoid complicating the paragraph further, he did not intend to press for consideration of a specific text; however, he requested that note be taken of his delegation's views on the subject.

1.28 Earlier that week, the Radiocommunication Assembly had adopted a Resolution (Document RA93/PLEN/73) establishing a Conference Preparatory Meeting (CPM) which would, inter alia, address topics on the agenda of immediately forthcoming conferences, consider any new material submitted to it, and refer matters relating to regulatory/procedural issues to a working party. It was clear, therefore, that the CPM would provide a forum for preliminary consideration of proposals from administrations relating to all the issues to be discussed at both WRC-95 and WRC-97, including the coordination issues which had been placed on both agendas. While there was no suggestion that the CPM should repeat the work done by the VGE, it would certainly have a role in considering administrations' proposals in order to assist in the preparations for WRC-95. His delegation hoped that the Director of the Radiocommunication Bureau and the Chairman of the CPM would in due course provide information on plans for the commencement of the CPM's work, and confirm its mandate and programme.

Resolution No. [COM4/2] (continued)

Paragraph 3.7 (continued)

1.29 The delegate of Morocco pointed out that the wording of the paragraph should be aligned with that just approved for paragraph 3a) of Resolution No. [COM4/1].

1.30 It was so agreed.

1.31 Paragraph 3.7 of Resolution No. [COM4/2], as amended, was approved.

1.32 The third series of texts submitted by the Editorial Committee (B.3) (Document 58), as a whole, as amended, was approved on first reading.

2. Draft preamble of the Final Acts of the Conference (Document 63)

2.1 The text in Document 63 was approved subject to a minor editorial amendment in the second paragraph.

3. Fourth series of texts submitted by the Editorial Committee for first reading (B.4) (Document 67)

3.1 The Chairman invited the meeting to consider Document 67, which consisted of a draft Recommendation on the convening of a regional radiocommunication conference to review the Geneva 1975 Agreement.

3.2 The delegate of Ukraine, noting that an earlier reference to the procedure for modifying the Geneva 1975 Plan no longer appeared in paragraph 1 of the draft Recommendation, said he wished to place on record that his delegation understood that paragraph to be concerned with the procedural aspect of the Agreement.

3.3 The Chairman confirmed that understanding. In response to a comment by the delegate of Germany, he further confirmed that the 1975 Agreement referred to both MF and LF broadcasting and not only to the former, as stated in paragraph 1. The delegate of the United Kingdom suggested that, in that case, the reference to MF broadcasting might simply be deleted.

3.4 It was so agreed.

3.5 The delegate of the United Arab Emirates said that his delegation maintained the reservation it had previously entered in respect of the modification of the Geneva 1975 Plan.

3.6 The fourth series of texts submitted by the Editorial Committee (B.4) (Document 67), as amended, was approved on first reading.

4. **Texts submitted for second reading (Document 67)**

4.1 The Chairman invited the meeting to take up on second reading the draft Recommendation in Document 67, as amended during the first reading.

4.2 The delegate of Greece, supported by the delegates of Morocco and Turkey, said it should be made clear that the world radio conference to which reference was made in **considering d)** was WRC-95.

4.3 Subject to the amendment of **considering d)** along those lines, the draft Recommendation was approved on second reading.

5. **First series of texts submitted by the Editorial Committee for second reading (R.1) (Document 65)**

5.1 The Chairman, introducing Document 65 containing draft Resolution No. [COM4/1], said that the order of the sections headed respectively **invites the Council** and **instructs the Director of the Radiocommunication Bureau** should be inverted.

5.2 Subject to that amendment and with the exception of paragraphs 2.1 and 3, to be taken up at a later stage, draft Resolution No. [COM4/1] was approved on second reading.

6. **Second series of texts submitted by the Editorial Committee for second reading (R.2) (Document 66)**

6.1 The Chairman, introducing Document 66 containing draft Resolution No. [COM4/2], drew attention to the fact that the text of paragraph 3.1 had not yet been agreed upon. There were, to his knowledge, two proposals to be considered in that connection: one, made on a previous occasion by the Canadian delegation, was to delete the words "consider the review of" which appeared at the beginning of the paragraph; the other, based on the argument that the substance of the matter was already covered in paragraph 1, was to delete paragraph 3.1 altogether.

6.2 The delegate of Saudi Arabia supported the latter proposal. Should WRC-95 not succeed in completing all of its work, the unfinished business would no doubt have to be referred to WRC-97. However, it would be premature at the present juncture to include in the preliminary agenda of WRC-97 a statement as sweeping as that made in paragraph 3.1.

6.3 The delegate of Japan endorsed the views expressed by the previous speaker but said that, in the interests of reaching a compromise, he would be prepared to accept paragraph 3.1 if the word "consider" were deleted from the beginning of the text.

6.4 The delegates of Norway, Zimbabwe, the United Arab Emirates and Algeria supported the proposal to delete the paragraph.

6.5 The delegates of Brazil, Venezuela, the United States and the United Kingdom supported the amendment proposed by Canada.

6.6 The delegate of Morocco proposed the following alternative wording for the paragraph: "consider matters referred to it by the 1995 World Radiocommunication Conference following consideration of item 3 of its agenda".

6.7 The Chairman, having invited delegates to give an indication of their views on the Canadian proposal by a show of hands, noted that there seemed to be considerable support for it.

6.8 Following some further discussion involving the delegates of Saudi Arabia, Canada and Colombia, the Chairman said that if he heard no objection he would take it that the meeting was prepared to accept the Canadian proposal in a spirit of compromise.

6.9 It was so agreed.

6.10 Paragraph 3.1, as amended, was approved.

6.11 The delegate of Saudi Arabia, after stressing the need to adopt a restrictive approach when preparing agendas for conferences, said that his delegation wished to enter a reservation in respect of paragraph 3.1.

6.12 The delegate of the United Arab Emirates said that, while he had not raised any objection to the Canadian proposal, he was not entirely happy about prejudging the outcome of WRC-95 by making the assumption that not all the issues on its agenda would be resolved.

6.13 The delegate of Syria said that his delegation too wished to enter a reservation concerning paragraph 3.1, the wording of which was not clear. Furthermore, the delegate of Japan had made a proposal which had not been taken into consideration despite the fact that it might have formed the basis for a compromise.

6.14 The Chairman invited the meeting to take up the draft Resolution as a whole on second reading, observing that the order of the sections headed respectively **invites the Council** and **instructs the Director of the Radiocommunication Bureau** should be inverted.

6.15 It was so agreed.

6.16 With the exception of paragraphs 3.3 and 3.7, to be taken up at a later stage, draft Resolution No. [COM4/2], as amended, was approved on second reading.

7. Texts submitted for second reading (Document 58)

7.1 The Chairman invited the meeting take up on second reading the remaining paragraphs of draft Resolutions Nos. [COM4/1] and [COM4/2] in Document 58, as amended during the first reading.

7.2 On a proposal by the delegate of the United Kingdom, it was agreed to delete the words "review and revision as necessary of" from paragraph 3.7 of draft Resolution No. [COM4/2].

7.3 The texts in Document 58, as amended, were approved on second reading.

8. Note by the Chairman of the Conference (Document DT/11)

8.1 The Chairman introduced Document DT/11, which was the outcome of discussions held in a small working group set up after the second Plenary Meeting to consider and if possible reconcile mutually contradictory proposals submitted to the Conference by a number of administrations. The paragraphs proposed in the document were intended for insertion in various places in Resolution No. [COM4/1], but should be considered quite separately from the latter; it was not his intention to reopen discussion on texts which had already been approved.

8.2 Following further discussions subsequent to the publication of Document DT/11, all the participants in the working group had agreed to propose that paragraph 2.2, which appeared on page 2 of the document, should be amended to read:

"following review of the date mentioned in the provision No. 2.1b) above to also take into consideration those satellite networks of the mobile-satellite service in the above bands which have been published before WRC-95 as well as those which may be published before the date to be reviewed."

8.3 The delegate of Brazil said that he could accept the text of paragraph 2.2 as originally worded in Document DT/11, but would have difficulty in agreeing to the amended version just read out by the Chairman, as it appeared to suggest that questions relating to the status of satellite networks were not to be considered at WRC-95.

8.4 The delegate of Colombia requested clarification on the relationship between the text in Document DT/11, the mandate of the current Conference and the agenda of WRC-95, taking into account the need to avoid prejudging any decisions to be taken in 1995.

8.5 Speaking at the invitation of the Chairman, the Legal Adviser recalled that when the small working group had been entrusted with the task of preparing a text in the light of consultations on the several conflicting proposals made by administrations, there had been lengthy debate concerning the question of competence. The relationship between the text in Document DT/11 and the main part of the draft agenda of WRC-95 was explained by the fact that the Conference had decided to recommend that WRC-95 should be entrusted with the review of a certain number of allocations in respect of the date of implementation or entry into force. In **considering further b)** of Document DT/11, the Conference would be recommending to the Council to include in the agenda of WRC-95 the review of the date, namely the year 2005, mentioned in **considering further a)**. As far as the coordination procedure was concerned, it had been generally recognized that the current Conference must leave it to WRC-95 to decide how to deal with procedures already started by administrations prior to the Conference on the basis of the Radio Regulations, with particular reference to footnotes 746A-746C and related WARC-92 Resolution No. 46.

8.6 The delegate of Brazil said that any decision by WRC-95 to validate coordination procedures started prior to the Conference might result in an imbalance in that area. The question of precedents would consequently be of some importance. For that reason he was unwilling to accept the deletion of the reference to the status of satellite networks.

8.7 The delegate of Zimbabwe observed that some of the issues mentioned in Document DT/11 were already covered by paragraph 2.1 of Resolution No. [COM4/1]. He too had difficulty in accepting the amended version of new paragraph 2.2, preferring the text as it stood in Document DT/11. Finally, it was not easy to consider Document DT/11 in isolation from the contents of Resolution No. [COM4/1] as a whole.

8.8 The delegate of Algeria considered that the text before the meeting had been submitted two years too soon; the question of the date of entry into force of allocations would more appropriately be left to WRC-95 to decide. His delegation, like others, had difficulty in understanding how the text of Document DT/11 was related to the mandate of the present Conference.

8.9 The delegate of Saudi Arabia said that the very first decision to be taken was whether or not the present Conference was competent to consider the matter dealt with in Document DT/11.

8.10 The Chairman, referring to the explanation given by the Legal Adviser, said it was his understanding that the question of competence did not arise.

8.11 The delegate of Russia observed that Document DT/11 had been placed on the agenda of the present meeting, which had been approved. Moreover, it was the result of the work carried out by a group set up in accordance with the wishes of the Plenary Meeting itself. Those two considerations, together with the comments by the Legal Adviser, should suffice to remove any doubt that the Conference might be exceeding its mandate in considering the document.

8.12 The delegate of Morocco, referring to WARC-92 Resolution No. 46 and Article 11 of the Radio Regulations, said that satellite networks that were not in conformity with the Radio Regulations should not go through the coordination procedure. In accordance with the Constitution (Geneva, 1992), the Radiocommunication Bureau had been expected to publish rules of procedure to be applied to satellite networks, providing administrations with an opportunity to comment on those rules before the networks themselves were published. To his knowledge that had not been done, and he interpreted the proposals submitted to the present Conference by a number of administrations as a reaction against the failure to publish such rules of procedure. As a result of that situation, and having regard to No. 95 of the Constitution, he considered that the Conference did indeed have the authority to consider the status of systems which had already been published. In view of the limited time available, however, it had no doubt been considered advisable to refer the matter to WRC-95. Consequently, it seemed quite clear that the Conference was competent to discuss Document DT/11.

8.13 Turning to the substance of the matter, he said that the status of systems already published or to be published was in no way related to a review of the date of entry into force of allocations. The Conference might therefore recommend that WRC-95 should look into the status of those systems which had already been published. At the same time, the Radiocommunication Bureau might be requested to prepare and publish, prior to WRC-95, such rules of procedure as the Radio Regulations Board considered appropriate to apply in such cases. In short, proposed new paragraph 2.2 in Document DT/11 should be amended so as to recommend that WRC-95 be requested to consider the status of assignments, without any reference to a change of date.

8.14 The representative of the Radiocommunication Bureau informed the meeting that Rule No. H52(Rev.1) on the application of the provisions of WARC-92 Resolution No. 46 had been published in IFRB Circular-letter No. 921 of 11 December 1992.

8.15 The delegate of Sweden proposed, in order not to complicate Resolution No. [COM4/1] any further, that the text in Document DT/11 should be considered as a separate draft Recommendation.

8.16 The Chairman, summing up the views expressed thus far, said that the meeting had the choice between a number of options, namely, to restore the original text of proposed new paragraph 2.2 as set out in Document DT/11, to convert the whole text into a separate recommendation, or to reject it altogether.

8.17 The delegate of Morocco supported the Swedish proposal for a separate recommendation, but said that the text should contain no reference to any date.

8.18 The delegate of Syria observed that the Conference's approval of Recommendation No. [PL/1] on a subject that was not directly within its competence could serve as a precedent for supporting the Swedish proposal. He also endorsed the Moroccan delegate's comments, emphasizing that the question of the date had already been the subject of much discussion and that it was important not to prejudge the decisions of WRC-95 in that respect.

8.19 The delegate of Brazil also supported the Swedish proposal together with the Moroccan proviso.

8.20 The Chairman, having held informal consultations with the delegates of Sweden, Morocco and Brazil, proposed the following text for a draft Recommendation relating to MSS systems published under WARC-92 Resolution No. 46:

"The World Radiocommunication Conference (Geneva, 1993),

considering

a) - d) (text as in Document DT/11)

recognizing

(text as under **recognizing further** in Document DT/11)

recommends

that WRC-95 consider the status of those MSS satellite networks in the bands listed in **considering** a) which have been published before WRC-95,

invites administrations

to cooperate in coordination consultations referred to in **considering** c) above to facilitate the early identification and resolution of any coordination difficulties."

8.21 The delegate of Lebanon expressed his concern at having to consider a draft Recommendation presented orally at such a late stage. He would not, however, stand in the way of a consensus if the administrations having submitted related proposals were agreeable to following such a procedure.

8.22 Replying to a question by the delegate of Syria, the Chairman said it was his understanding that coordination under the Radio Regulations was carried out only between administrations.

8.23 The delegate of Mexico requested the opinion of the Legal Adviser as to whether the Conference's agenda authorized it to invite administrations to undertake the type of action contemplated in the draft Recommendation.

8.24 The Legal Adviser expressed the opinion that the Conference was not competent to adopt resolutions or recommendations other than those related to the agenda. It was precisely for that reason that, in preparing Document DT/11, such great care had been taken to establish a link with the agenda item which provided guidance on facilitating the use of frequency bands allocated to the MSS, by recommending the inclusion of the matters in question in the agenda of WRC-95. Similarly, the invitation to administrations to base their proposals to WRC-95 on the VGE's report had been included in the Resolution relating to the agenda and not in a separate document.

8.25 The delegate of Colombia said it was not at all clear that the Conference was competent to approve the **invites administrations** part of the text outside the context of a conference agenda.

8.26 The delegate of Mexico said that he could accept the paragraph in question if the phrase "to facilitate the early identification and resolution of any coordination difficulties" was deleted.

8.27 The Chairman said that if he heard no objection he would take it that the meeting could accept the proposal by the delegate of Mexico.

8.28 It was so agreed.

8.29 The draft Recommendation, as amended, was approved on first reading.

8.30 The Chairman invited the meeting to take up the text immediately on second reading in order to expedite matters.

8.31 The delegate of Germany proposed, in the interests of consistency, that the word "systems" in the title should be replaced by "networks".

8.32 It was so agreed.

8.33 In reply to a comment by the delegate of Venezuela concerning the possible need to refer in the title to the frequencies mentioned in **considering** a), the Chairman appealed to delegations not to press for further amendment of the text so late in the proceedings.

8.34 The draft Recommendation, as amended, was approved on second reading.

9. First Conference Preparatory Meeting

9.1 Replying to a question by the delegate of Syria, the representative of the Radiocommunication Bureau said that it was planned to hold the first Conference Preparatory Meeting in Geneva in February 1994 and that administrations would shortly receive written notice thereof. A second meeting was planned for May 1995, after the next session of the Council.

10. Statement by the delegate of the United States

10.1 The delegate of the United States made the following statement:

"We have dealt with numerous issues that are important to administrations and our work will guide each administration's preparations for WRC-95 and WRC-97. As administrations consider their proposals for WRC-95, they should recall what was stated at WARC-92, namely that the bands 1 492 - 1 525 MHz, 1 675 - 1 710 MHz and 2 500 - 2 690 MHz are heavily used and as a result of decisions taken at WRC-93 the United States does not intend to propose these bands for reallocation. Similarly the bands 225 - 400 MHz and 806 - 890 MHz fall into the same category."

The meeting rose at 0230 hours on Friday, 19 November 1993.

The Secretary-General:
P. TARJANNE

The Chairman:
V. TIMOFEEV



GENEVE, 15-19 NOVEMBRE 1993

LISTE DES PARTICIPANTS - LIST OF PARTICIPANTS - LISTA DE PARTICIPANTES

Cette liste comprend les sections suivantes - This list includes the following sections -
Esta lista comprende las secciones siguientes

- I. Administrations - Administrations - Administraciones
- II.
 - 1. Nations Unies et ses institutions spécialisées / United Nations and its Specialized Agencies / Naciones Unidas y sus Organismos Especializados
 - 2. Organisations régionales / Regional Organizations / Organizaciones Regionales
 - 3. Organisations intergouvernementales exploitant des systèmes à satellites
Intergovernmental Organizations Operating Satellite Systems
Organizaciones Intergubernamentales que Explotan Sistemas de Satélite
 - 4. Organisations internationales / International Organizations / Organizaciones Internacionales
- III. Secrétariat général et Secteurs de l'Union / General Secretariat and Sectors of the Union / Secretaría General y Sectores de la Unión
- IV. Secrétariat de la Conférence / Secretariat of the Conference / Secretaría de la Conferencia

Symboles utilisés - Symbols used - Símbolos utilizados

C	:	Chef de délégation - Head of Delegation - Jefe de delegación
CA	:	Chef adjoint - Deputy Head - Subjefe
D	:	Délégué - Delegate - Delegado
A	:	Conseiller - Adviser - Asesor
O	:	Observateur - Observer - Observador

I. ADMINISTRATIONS - ADMINISTRATIONS - ADMINISTRACIONES

ALB Albanie (République d')
Albania (Republic of)
Albania (República de)

C M. QESTERI Emil
Minister's Adviser
Ministry of Transport and
Communications
Tirana

CA M. KOTE F.
Chief, Radiocommunication
Administration Centre
Ministry of Transport and
Communications
Tirana

**ALG Algérie (République algérienne
démocratique et populaire)**
**Algeria (People's Democratic
Republic of)**
**Argelia (República Argelina
Democrática y Popular)**

C M. HAMZA Ali
Chargé d'études et de
synthèse
Cabinet du Ministre
Ministère des postes et des
télécommunications
Alger

D M. BEGHDAI Mohamed
Directeur d'études
Ministère des postes et des
télécommunications
Alger

D Mme BELKHEIR Dalila
Première secrétaire
Mission permanente d'Algérie
Genève

D M. BOUTOUABA Mohammed
Directeur de l'audiovisuel
Ministère de la Communication
Alger

D M. DJOUDI Ali
Ingénieur
Ministère des postes et des
télécommunications
Alger

D M. FARAOUN Boualem
Directeur
MICL
Alger

D M. HAMMA Ammar
Inspecteur général
Ministère de la Communication
Alger

**ALG Algérie (République algérienne
démocratique et populaire)**
**Algeria (People's Democratic
Republic of)**
**Argelia (República Argelina
Democrática y Popular)**
(suite)

D M. HOYOU Abelmalek
Directeur général
Télédiffusion d'Algérie
Alger

D M. KARA-SLIMANE Armel-Illah
Ingénieur
Ministère des postes et des
télécommunications
Alger

D M. OUHADJ Mahiddine
Secrétaire général
Comité interministériel des
télécommunications
Ministère des postes et des
télécommunications
Alger

**D Allemagne (République
fédérale d')**
Germany (Federal Republic of)
Alemania (República Federal de)

C M. GEORGE Eberhard
Ministerialrat
Bundesministerium für Post
und Telekommunikation
Bonn

CA M. BECKER Wolfgang
Regierungsdirektor
Bundesministerium für Post
und Telekommunikation
Bonn

D Mme KOHLHAW Monika
Deuxième secrétaire
Mission permanente d'Allemagne
Genève

D M. LIEBLER Reiner
Head of Section
Federal Office of Posts
and Telecommunications
Mainz

D M. LIESER Eckart
Oberamtsrat
Bundesministerium für Post
und Telekommunikation
Bonn

D Allemagne (République
fédérale d')
Germany (Federal Republic of)
Alemania (República Federal de)
(suite)

D M. ROESSLER Günter
Technical Director
Deutsche Welle
Köln

D M. ROIGAS Hillar
Head, Broadcasting Coverage
and Transmitter Engineering
Division
Institut für Rundfunktechnik
GmbH
München

D M. SCHIEVER Wolfgang
Referent
Generaldirektion
Deutsche Bundespost Telekom
Bonn

D Mme SCHÖNFELDER Edith
Secretary
Federal Office for Posts
and Telecommunications
Mainz

D M. STRICK Joachim
Oberamtsrat
Bundesministerium für Post
und Telekommunikation
Bonn

D M. TANDLER Dieter
Director
ZVEI/AEG
Frankfurt

D M. TRAUTMANN Eberhard
Referent
Federal Ministry of Defence
Bonn

D M. WILDE Gert
Lieutenant Colonel
Federal Armed Forces
Communications and Information
Systems Office
National Radio Frequency
Agency
Rheinbach

A M. MÜLLER Karl-Otte
Coordinator for Radio
Monitoring Activities
Rohde & Schwarz
Munich

D Allemagne (République
fédérale d')
Germany (Federal Republic of)
Alemania (República Federal de)
(suite)

A M. STECHER Manfred
Coordinator for Radio
Monitoring Activities
Rohde & Schwarz
Munich

A M. THALER Hans-Joerg
Deputy Director
Coordination Production
Planning Standards
Siemens AG
Munich

AGL Angola (République d')
Angola (Republic of)
Angola (República de)

C M. LUBANZA Pedro
Conseiller
Ministère des transports et
communications
Luanda

ARS Arabie saoudite (Royaume d')
Saudi Arabia (Kingdom of)
Arabia Saudita (Reino de)

C M. MULLA M.J.
Deputy Minister for
Telegraph Affairs
Ministry of Post, Telegraph
and Telephone
Riyadh

CA M. TAHER Fouad
Assistant Deputy Minister
Engineering Affairs
Ministry of Information
Riyadh

D M. AL-MEHAIMEED Abdullah
Engineer
Frequency Management
Department
Ministry of Post, Telegraph
and Telephone
Riyadh

D M. AL-RASHEED Saud A.
Assistant Frequency
Management Manager
Ministry of Information
Riyadh

ARS Arabie saoudite (Royaume d')
Saudi Arabia (Kingdom of)
Arabia Saudita (Reino de)
(suite)

- D M. AL-SAMNAN Sulaiman
Director of Frequency
Management
Ministry of Information
Riyadh
- D M. AL-SHANKITI Habeeb K.
Director General of
Radiocommunications
Ministry of Post, Telegraph
and Telephone
Riyadh
- D M. KHALIL Khalid O.
Chief
Section ITU
Ministry of Post, Telegraph
and Telephone
Riyadh

ARG Argentine (République)
Argentina Republic
Argentina (República)

- C M. GABRIELLI Alberto J.
Secretario General
Comisión Nacional de
Telecomunicaciones
Buenos Aires
- 1)C M. GONZALEZ Oscar
Under Secretary of State
for Communications
Comisión Nacional de
Telecomunicaciones
Buenos Aires
- 1) C: 15-16.11.93
- A M. FERNANDEZ Eugenio
Jefe de Sección
Comisión Nacional de
Telecomunicaciones
Buenos Aires
- A M. GABELLONI Eduardo A.
Gerente
Comisión Nacional de
Telecomunicaciones
Buenos Aires
- A M. KUSTRA Roben
Consultant
Comisión Nacional de
Telecomunicaciones
Buenos Aires

ARM Arménie (République d')
Armenia (Republic of)
Armenia (República de)

- C M. BARSEGHIAN Babken
State Inspection of
Telecommunications
Ministry of Communications
Yerevan
- D M. GABRIELOV Grant
Department of Communications
Ministry of Communications
Yerevan
- D M. KAZANCHIAN Vladimir
Radio Company
Ministry of Communications
Yerevan

AUS Australie
Australia
Australia

- C M. SMITH Roger N.
Executive Manager
Spectrum Management Agency
Belconnen
- CA M. OLIVER Colin L.
Director
ITU Policy
Telecommunications Policy
Division
Department of Transport and
Communications
Canberra
- D M. HARTLEY David
Manager
International Liaison
Spectrum Management Agency
Belconnen Act
- D M. WARDLE George E.
Deputy Director
Communications Engineering
Department of Defence
Canberra
- A M. ELSTON Colin G.
Chief Analyst
Optus Communications
Sydney
- A M. JENKINSON Garth
Supervising Engineer
Telstra Corporation Ltd.
Melbourne

AUS Australie
Australia
Australia
(suite)

- A M. NATOLI Peter
Manager, Spectrum Planning
Telstra Corporation Ltd.
Melbourne
- A M. WHITEOAK John B.
Deputy Director
Australia Telescope National
Facility
Sydney

AUT Autriche - Austria - Austria

- C M. LETTNER Gerd
Ministerialrat
Federal Ministry for Public
Economy and Transport
Vienna
- CA M. STEINER Ernst
Counsellor
Federal Ministry for Public
Economy and Transport
Vienna
- D M. BERGER Josef
Oesterreichischer Rundfunk
Vienna

BAH Bahamas (Commonwealth des)
Bahamas (Commonwealth of the)
Bahamas (Commonwealth de las)

- C M. BARNETT Arthur B.
Executive Chairman
Bahamas Telecommunications
Corporation
Nassau
- CA M. RUSSELL Barrett A.
General Manager
Bahamas Telecommunications
Corporation
Nassau
- D M. BETHEL Leander A.
Assistant General Manager N.S.
Bahamas Telecommunications
Corporation
Nassau
- D M. HALKITIS Andrew J.
Staff Engineer
Bahamas Telecommunications
Corporation
Nassau

BHR Bahreïn (Etat de)
Bahrain (State of)
Bahrein (Estado de)

- C M. ASHOOR Rasheed J.
Chief
Telecommunications Office
Ministry of Transportation
Manama
- CA M. AL-THAWADI Abdulla S.
President
Bureau of Wireless Licensing
Frequency and Monitoring
Ministry of Information
Manama
- D M. ASHOOR Ashoor A.
Radio System Engineer
Telecommunications Office
Ministry of Transportation
Manama
- D M. GHAZWAN Jamil J.
Telecommunications Engineer
Telecommunications Office
Ministry of Transportation
Manama

BGD Bangladesh (République
populaire du)
Bangladesh (People's Republic of)
Bangladesh (República Popular de)

- C M. SIDDIQUE Ali
General Manager
Bangladesh Telegraph and
Telephone Board
Dhaka

BRB Barbade - Barbados - Barbados

- C M. DENNY Chelsea R.
Senior Telecommunications
Officer
Ministry of Home Affairs
Bridgetown

BLR Bélarus (République du)
Belarus (Republic of)
Belarús (República de)

- C M. GRITSUK Ivan
Minister
Ministry of Posts,
Telecommunications and
Informatics
Minsk

BLR Bélarus (République du)
Belarus (Republic of)
Belarús (República de)
 (suite)

- CA M. NIKONOV Victor
 Chief of Department
 Ministry of Posts,
 Telecommunications and
 Informatics
 Minsk
- D M. ROSSA Guennadi
 Chief of Section
 Ministry of Posts,
 Telecommunications and
 Informatics
 Minsk

BEL Belgique - Belgium - Bélgica

- C M. BAERT Freddy
 Administrateur
 Institut belge des services
 postaux et télécommunications
 Bruxelles
- CA M. DUCHEYNE Gino
 Principal Engineer of
 Telecommunications
 BELGACOM
 Bruxelles
- CA M. GONY Michel R.
 Directeur d'administration
 BELGACOM
 Bruxelles
- D M. VANNIEUWENHUYSE Gilbert L.
 Chef de section principal
 BELGACOM
 Bruxelles

BEN Bénin (République du)
Benin (Republic of)
Benin (República de)

- C M. AGNAN Barthélémy
 Sous-directeur des
 télécommunications du
 réseau national
 Office des postes et des
 télécommunications
 Cotonou
- D M. MEDEGAN Frédéric
 Chef, Division exploitation
 et développement commercial
 Office des postes et des
 télécommunications
 Cotonou

B Brésil (République fédérative du)
Brazil (Federative Republic of)
Brasil (República Federativa del)

- C M. PINHEIRO Savio
 Secretary for Communication
 Services
 Ministry of Transport and
 Communications
 Brasilia
- CA M. SA Ronaldo
 Director
 Spectrum Management
 Ministry of Transport and
 Communications
 Brasilia
- D M. ALBERNAZ Joao C.
 Director
 Spectrum, Planning and
 Engineering Department
 Ministry of Transport and
 Communications
 Brasilia
- D M. MARTINS Julio C.
 Adjunto de Divisao de
 Telecomunicações
 Diretoria de Eletronica
 e Proteção
 Rio de Janeiro
- D M. SENRA DE OLIVEIRA Ricardo
 Chefe da Seção de
 Radiocomunicações
 Diretoria de Eletronica
 e Proteção
 Rio de Janeiro

BRU Brunéi Darussalam
Brunei Darussalam
Brunei Darussalam

- D M. ISMAIL Haji M.
 Senior Engineer
 Jabatan Telekom Brunei
 Bandar Seri Begawan

BUL Bulgarie (République de)
Bulgaria (Republic of)
Bulgaria (República de)

- C M. MIRSKI Krastju
 Vice-President
 Committee of Posts and
 Telecommunications
 Sofia

BUL Bulgarie (République de)
Bulgaria (Republic of)
Bulgaria (República de)
(suite)

- D M. BORISSOV Kalin A.
Second Secretary
Permanent Mission of Bulgaria
Geneva
- D M. DEMIREV Vesselin
Head of Department
Committee of Posts and
Telecommunications
Sofia
- D M. KOZHOUHAROV Bozhidar
Head of Department
Committee of Posts and
Telecommunications
Sofia

BFA Burkina Faso
Burkina Faso
Burkina Faso

- C M. BONKOUNGOU Zouli
Directeur des études et de
la planification
Office national des
télécommunications (ONATEL)
Ouagadougou
- D M. DIPAMA Jean-Paul
Chef de section
Navigation aérienne
Direction de l'aviation civile
Ouagadougou
- D M. OUEDRAOGO Pousbilo
Chef, Gestion des fréquences
- ONATEL
Direction de la promotion
Centre national de gestion des
fréquences
Ouagadougou

BDI Burundi (République du)
Burundi (Republic of)
Burundi (República de)

- C M. BUNAME Gérard
Chef, Service de la
planification et études des
projets
Office national des
télécommunications (ONATEL)
Bujumbura

CME Cameroun (République du)
Cameroon (Republic of)
Camerún (República de)

- C M. KAMDEM KAMGA Emmanuel
Inspecteur général N° 2
Ministère des postes et des
télécommunications
Yaoundé
- CA M. DJOUAKA Henri
Directeur général adjoint
INTELCAM
Ministère des postes et des
télécommunications
Yaoundé
- D M. EVOUNA Gothard E.
Inspecteur général N° 1
Ministère de la communication
Yaoundé
- D M. TALLAH William
Technical Adviser N° 1
Ministry of Posts and
Telecommunications
Yaoundé
- D M. ZOLLO ENGA'A David
Directeur administratif et
financier
Société des télécommunications
internationales du Cameroun
INTELCAM
Yaoundé
- D M. ZOURMBA Aboubakar
Sous-Directeur
Gestion des fréquences et
réalisations privées
Ministère des postes et des
télécommunications
Yaoundé

CAN Canada - Canada - Canadá

- C M. JONES Robert W.
Director General
Radio Regulatory Branch
Industry Canada
Ottawa
- CA M. GRACIE Bruce A.
Head, International
Radiocommunications and
Standardization Activities
International
Telecommunications Division
Industry Canada
Ottawa

CAN Canada - Canada - Canadá
(suite)

- D M. AHMED S. Nisar
Director General
Engineering Programmes Branch
Industry Canada
Ottawa
- D M. AMERO Ronald G.
Manager
Space Services
Frequency/Orbit Division
Radio Regulatory Branch
Industry Canada
Ottawa
- D M. BASTIKAR Arvind
Manager
Telecommunications Programme
Office
Canadian Space Agency
Ottawa
- D M. BRETT Robert F.
Senior Manager
International Standards
Coordination
Bell-Northern Research Ltd.
Ottawa
- D M. CAMPBELL E.R.
Director
Frequency Spectrum Management
Department of National Defence
National Defence Headquarters
Ottawa
- D M. DUCHARME Edward
Private Consultant
Kanata
- D M. FENELEY John
Director, Mobile
Communications
Teleglobe Canada Inc.
Montreal
- D M. HUNT Murray J.
Chief, Mobile Services
Telecom Policy Branch
Industry Canada
Ottawa
- D M. LEGER Fern
Director
Spectrum and Orbit Policy
Telecommunication Policy
Branch
Industry Canada
Ottawa

CAN Canada - Canada - Canadá
(suite)

- D M. MITANI Brian
Manager,
Planning Mobile Division
Teleglobe Canada
Montreal
- D Mme RAWAT Veena
Director of Spectrum
Engineering
Engineering Programs Branch
Industry Canada
Ottawa
- D M. TAYLOR William J.
Supervising Engineer
Stentor Resource Centre, Inc.
Ottawa
- D M. ZEITOUN Ralph
Director
Planning and Technical Policy
Broadcasting Regulation Branch
Industry Canada
Ottawa
- A M. BARNES Peter
Vice-Président
Affaires réglementaires et
gouvernementales
Mobility Canada
Ottawa
- A M. ROMPRE Maurice
Director, Business Planning
BCE Mobile
Ville St. Laurent

CAF Centrafricaine (République)
Central African Republic
Centrafricana (República)

- C M. N'DEKELE Robert
Chef, Division Exploitation
Société centrafricaine de
télécommunications (SOCATEL)
Bangui

CHN Chine (République populaire de)
China (People's Republic of)
China (República Popular de)

- C M. WANG Zhanning
Vice-Directeur
Département des affaires
extérieures
Ministère des postes et des
télécommunications
Beijing

**CHN Chine (République populaire de)
China (People's Republic of)
China (República Popular de)
(suite)**

- D Mme HU Yumei
Division Chief
Senior Engineer
Radio Regulatory Department
Ministry of Posts and
Telecommunications
Beijing
- D M. JIANG Shaolin
Engineer
Département des affaires
extérieures
Ministère des postes et
télécommunications
Beijing
- D M. KANG Songshi
Director
Technical Policy Research
Division
Ministry of Posts and
Telecommunications
Beijing
- D Mme WANG Yurong
Chef adjoint
Département des affaires
extérieures
Ministère des postes et
télécommunications
Beijing
- D M. ZHU Sanbao
Chef de division
Département de la
réglementation des radios
Ministère des postes et
télécommunications
Beijing

**CYP Chypre (République de)
Cyprus (Republic of)
Chipre (República de)**

- C M. SAVVIDES Lazaros S.
Senior Electrical Engineer
Ministry of Communications
and Works
Nicosia

**CVA Cité du Vatican (Etat de la)
Vatican City State
Ciudad del Vaticano (Estado de la)**

- C M. MATIS Eugenio
Technical Director
Vatican Radio
Vatican City

**CVA Cité du Vatican (Etat de la)
Vatican City State
Ciudad del Vaticano (Estado de la)
(suite)**

- CA M. PACIFICI Costantino
Vice-Technical Director
Vatican Radio
Vatican City

**CLM Colombie (République de)
Colombia (Republic of)
Colombia (República de)**

- CA M. CASTRO ROJAS Felix
Jefe, Oficina Internacional
Ministerio de Comunicaciones
Santafe de Bogota

**KOR Corée (République de)
Korea (Republic of)
Corea (República de)**

- C M. LEE Sung H.
Director General
Radio Regulation Bureau
Ministry of Communications
Seoul
- CA M. CHOI Myung S.
Director
Frequency Division
Radio Regulation Bureau
Ministry of Communications
Seoul
- D M. KIM Joon-Ho
Deputy Director
Radio Planning Division
Radio Regulation Bureau
Ministry of Communications
Seoul
- D M. SHIN Dong-Ju
Deputy Director
Radio Research Laboratory
Ministry of Communications
Seoul
- A M. BYON Do H.
General Director
Korea Radio Station
Management Agency
Seoul
- A Mlle KIM Eun-Ju
Research Fellow
Korea Information Society
Development Institute
Seoul

KOR Corée (République de)
Korea (Republic of)
Corea (República de)
(suite)

- A M. KIM Moon-Hwan
Manager
Korea Telecommunications
Seoul
- A M. LEE Hyuck J.
Research Engineer
Electronic Telecommunications
Research and Institute
Seoul
- A M. LIM Soon-Chul
Managing Director
Telecommunication Technology
Association
Seoul
- A M. SEO Bo H.
Senior Research Fellow
Korea Information Society
Development Institute
Seoul
- A M. SUH Jong-Yol
Research Fellow
Korea Mobile
Telecommunications Co.
Seoul
- A M. SUNG Tae K.
Executive Vice-President
Mobile Telecommunications
Corporation
Seoul
- A M. YANG Ki G.
Head
Radio Science Section
Electronics and
Telecommunications Research
Institute
Seoul

CTI Côte d'Ivoire (République de)
Côte d'Ivoire (Republic of)
Côte d'Ivoire (República de)

- C M. YAO Kouakou J.-B.
Sous-Directeur
Contrôle des
radiocommunications
Ministère des mines et de
l'énergie chargé des postes
et télécommunications
Abidjan

CTI Côte d'Ivoire (République de)
Côte d'Ivoire (Republic of)
Côte d'Ivoire (República de)
(suite)

- D M. KESSE Angaman
Chef du département
Radiocommunications et gestion
des fréquences
Société Côte d'Ivoire -
TELECOM
Abidjan
- D M. NIAMIEN Yeffe
Inspecteur des services
techniques
Radiodiffusion Télévision
Ivoirienne (RTI)
Abidjan
- D M. NIAMKE Kakou
Directeur de l'exploitation
technique
Société Côte d'Ivoire -
TELECOM
Abidjan

HRV Croatie (République de)
Croatia (Republic of)
Croacia (República de)

- C M. FILIPOVIC Dominik
Deputy Minister of
Communications
Ministry of Maritime Affairs,
Transport and Communications
Zagreb
- D M. BOROVC Marijan
Project Manager
Croatian Post and
Telecommunications
Zagreb
- D Mme MANOLA Dubravka
Technical Adviser
Ministry of Maritime Affairs,
Transport and Communications
Zagreb
- D M. ORESKOVIC Ljudevit
Technical Assistant of
Managing Director
Croatian Radio-Television
Zagreb
- D M. PERCIN Nikola
Managing Director
Croatian Radio-Television
Zagreb

**HRV Croatie (République de)
Croatia (Republic of)
Croacia (República de)
(suite)**

D M. URLICIC Ivica
Technical Director
Croatian Radio-Television
Zagreb

CUB Cuba - Cuba - Cuba

C M. MARTINEZ ALBUERNE Carlos
Ingeniero
Dirección de Frecuencias
Radioeléctricas
Ministerio de Comunicaciones
Habana

DNK Danemark - Denmark - Dinamarca

C M. JACOBSEN Marius
Head of Division
National Telecom Agency
Copenhagen

CA M. CHRISTENSEN Per
Deputy Head
National Telecom Agency
Copenhagen

D M. ABILD ANDERSEN Jorgen
Director
National Telecom Agency
Copenhagen

D M. BACH Jorn
Head of Division
Tele Denmark A/S
Telecom
Taastrup

D M. LINDGAARD Robert
Frequency Manager
National Telecom Agency
Copenhagen

D M. REINERT Jens J.
Engineer
Telefonverk Foroya Logtins
Faroe Islands

D M. WEDERVANG Bendt
Engineer
Tele Danmark A/S
Telecom
Taastrup

**DJI Djibouti (République de)
Djibouti (Republic of)
Djibouti (República de)**

C M. FARAH Moumin Y.
Directeur général adjoint
Office des postes et des
télécommunications (OPT)
Djibouti

D M. BOULHAN AWALEH Omar
Chef
Département Radio
Office des postes et des
télécommunications
Djibouti

**DOM Dominicaine (République)
Dominican Republic
Dominicana (República)**

C M. NUÑEZ SANTOS Leopoldo
Director General
Dirección General de
Telecomunicaciones
Santo Domingo

**EGY Egypte (République arabe d')
Egypt (Arab Republic of)
Egipto (República Árabe de)**

C Mme ABOUL ELA Raga
General Manager
Technical Affairs
ARENTO
Cairo

CA Mme SEDKY Aisha
Manager
International
Telecommunication Sector
ARENTO
Cairo

D M. MOHAMED Hamdy Abdul-Halim
Director, Frequency Management
Department
Egyptian Radio and Television
Union
Cairo

**UAE Emirats arabes unis
United Arab Emirates
Emiratos Arabes Unidos**

C M. AL-SAYED Yousuf A.
Chief Engineer
Transmission
Emirates Telecommunications
Corporation (ETISALAT)
Abu Dhabi

**UAE Emirats arabes unis
United Arab Emirates
Emiratos Arabes Unidos
(suite)**

- D M. ABDULLA RASHID Abdulla
Telecommunications Engineer
Ministry of Communications
Abu Dhabi
- D M. AL-ALI Abdul R.
Assistant Controller of
Engineering (TV)
UAE Radio & TV
Dubai
- D M. AL-ALY Fawzi S.
Technical Advisor
Ministry of Information and
Culture
Abu Dhabi
- D M. AL-KHALIFA Yahya A.
Senior Technician for
Monitoring Equipments
Ministry of Communications
Abu Dhabi
- D M. AL-MUHAIDEB Ahmed
Assistant Controller
Engineering (Radio)
UAE Radio and TV
Dubai
- D M. DAVEY Norman C.
Consultant
UAE Radio and TV
Dubai
- D M. HATTAB Rushdi A.
Chief Engineer, Transmitters
Ministry of Information and
Culture
Abu Dhabi
- D M. HIZAM Hamoud N.
Permanent Mission of the
United Arab Emirates
Geneva
- D M. ISHAQ Mustafa H.
Head
Engineering Department -
Television
Ministry of Information and
Culture
Abu Dhabi
- D M. UL-HAQ Rais
Senior Engineer
Ministry of Information and
Culture
Abu Dhabi

EQA Equateur - Ecuador - Ecuador

- C M. VIVANCO ARIAS José A.
Director de Gestión
Internacional
Superintendencia de
Telecomunicaciones
Quito
- CA M. BENAVIDES ALOMIA Oswaldo
Subdirector de Administración
Técnica
Superintendencia de
Telecomunicaciones
Quito

ERI Erythrée - Eritrea - Eritrea

- C M. WOLDESLASSIE Mussie
Communication Engineer
Eritrean Posts and
Telecommunications Authority
Asmara

E Espagne - Spain - España

- C Mme SALGADO MENDEZ Elena
Secretaría General de
Comunicaciones
Secretaría General de
Comunicaciones
Ministerio de Obras Públicas
y Transportes
Madrid
- CA M. NADAL ARIÑO Javier
Director General de
Telecomunicaciones
Dirección General de
Telecomunicaciones
Madrid
- CA M. GONZALEZ DE LINARES Juan M.
Consejero
Misión Permanente de España
Ginebra
- CA M. MORENO PERAL Isaac
Subdirector General
Concesiones y Gestión del
Espectro Radioeléctrico
Dirección General de
Telecomunicaciones
Madrid
- CA M. RUBIO CARRETON Vicente
Jefe de Relaciones
Internacionales
Dirección General de
Telecomunicaciones
Madrid

E Espagne - Spain - España
(suite)

- D M. BERNARDO Rafael
Director Técnico
Sociedad Española de
Radiodifusión
Madrid
- D M. CAMBLOR FERNANDEZ José R.
Jefe
Area de Planificación del
Espectro Radioeléctrico
Dirección General de
Telecomunicaciones
Madrid
- D M. GARCIA BARQUERO Pedro
Jefe
Area Ingeniería del Espectro
Radioeléctrico
Dirección General de
Telecomunicaciones
Madrid
- D M. GARCIA MELGAR Victor M.
Técnico Coordinación Espacial
Dirección General de
Telecomunicaciones
Madrid
- D M. GOMEZ DE MARCOS Fernando
Jefe
Servicio de Producción
Analógica
RTVE
Madrid
- D M. HERCE LOPEZ Javier
Jefe
Area de la Inspección
Radiomarítima
Dirección General de la Marina
Mercante
Madrid
- D M. LOPEZ MASEDA Abelardo
Ingeniero Técnico de
Telecomunicación
(Jefe COM/AIS)
Ministerio de Obras Públicas
y Transportes
Madrid
- D M. MARTIN MANRIQUE Valeriano
Jefe
Area de Comprobación Técnica
Radio
Dirección General de
Telecomunicaciones
Madrid

E Espagne - Spain - España
(suite)

- D M. MENCHEN ALUMBREROS Miguel
Experto
Telefónica de España, S.A.
Madrid
- D M. MOLINA NEGRO Francisco
Asesor
Relaciones Internacionales
Retevision Madrid
Madrid
- D M. MURO PRATS J.M.
Jefe
Servicio Telecomunicaciones
RTVE
Madrid
- D M. NAVASCUES CHIVITE Javier
Experto
Telefónica de España, S.A.
Madrid
- D M. PANDURO PANADERO Miguel A.
Técnico
Hispasat S.A.
Madrid
- D M. PFOST MINGUEZ Pablo
Experto
Telefónica de España, S.A.
Madrid
- D M. QUINTAS RIFOLL Eduardo
Jefe de Area
INTA
Madrid
- D M. SANCHEZ MARTIN Juan J.
Experto
Telefónica de España, S.A.
Madrid
- D M. SANCHEZ MORA Vicente
Experto
Telefónica de España, S.A.
Madrid
- D Mlle SANCHEZ RAMOS Inmaculada
Experto
Departamento de Sistemas de
Comunicaciones por Satélites
Madrid
- D M. SESEÑA NAVARRO Julian
Subdirector de
Telecomunicaciones
Hispasat S.A.
Madrid

**E Espagne - Spain - España
(suite)**

- D M. TEJERINA GARCIA José L.
Director de Tecnología
Retevisión
Madrid
- D M. VALBUENA GRANADOS Manuel
Titulado Superior
Responsable Proyectos de
Comunicaciones
Dirección General de
Navegación Aérea
Madrid

**EST Estonie (République d')
Estonia (Republic of)
Estonia (República de)**

- C M. JOEMA Juri
Director
Inspection of
Telecommunications
Tallinn
- D M. RAMMUS Arvo
Head of Department
Inspection of
Telecommunications
Tallinn

**USA Etats-Unis d'Amérique
United States of America
Estados Unidos de América**

- C M. BEAIRD Richard
Acting US Coordinator and
Director
Bureau of International
Communications and Information
Policy (CIP)
Department of State
Washington DC
- CA M. PARLOW Richard
Associate Administrator
Department of Commerce
NTIA
Washington DC
- CA M. RICHARDS Warren
Director Radio Spectrum
CIP/SIO
Department of State
Washington DC
- CA M. URBANY Francis S.
Director
International Relations
BellSouth Corporation
Washington DC

**USA Etats-Unis d'Amérique
United States of America
Estados Unidos de América
(suite)**

- CA M. WALSH Thomas M.
Assistant Director
Office of International
Communications
Federal Communications
Commission
Washington DC
- D M. BARTH Richard
Director, Office of Radio
Frequency Management
Department of Commerce
Washington DC
- D M. BINCKES Jeffrey B.
Director
Spectrum Utilization
Engineering
COMSAT Mobile Communications
Clarksburg, ML
- D M. BORMAN William
Vice-President
Motorola Inc.
Washington DC
- D M. CARROLL James R.
Program Director
SFA, Inc.
Landover, MD
- D M. CHESTON T. Stephen
Director
International Governmental
Affairs
Iridium Inc.
Washington DC
- D M. CROWELL Raymond B.
Director
Industry and Government
Planning
COMSAT Corporation
Bethesda, MD
- D M. FISHER Ben C.
Partner
Fisher, Watland, Cooper
and Leader
Washington DC
- D Mlle FRANK Robin
Attorney Adviser
Office of the Legal Adviser
Department of State
Washington DC

**USA Etats-Unis d'Amérique
United States of America
Estados Unidos de América
(suite)**

- D Mlle GOMEZ Giselle
Engineer
US Information Agency (B/EDR)
Washington DC
- D M. HATCH William
Program Manager
Spectrum Plans
National Telecommunications
and Information Administration
Washington DC
- D M. HUTCHISON Kris E.
Director
Frequency Management
Aeronautical Radio Inc.
Annapolis, MD
- D M. JANSKY Donald
President
Jansky/Barmat
Telecommunications
Washington DC
- D M. KIMBALL Harold
Director
International Regulation and
Technology Division
Office of Int'l Affairs
Department of Commerce
Annapolis, MD
- D M. KONRATH Robert
Second Secretary
Permanent Mission of the
United States of America
Geneva
- D M. LEVIN Lon
Vice-President
American Mobile Satellite
Corporation
Reston, VA
- D M. LUTHER William A.
International Advisor
Federal Communications
Commission
Washington DC
- D M. MAZER Robert
Counsel
Nixon, Hargrave,
Douans and Doyle
Washington DC

**USA Etats-Unis d'Amérique
United States of America
Estados Unidos de América
(suite)**

- D M. PALMER Lawrence M.
Director, Radio Technology
and International Regulations
NTIA
Washington DC
- D Mme RAIFORD Cynthia S.
Senior Staff Member
Office of the Assistant
Secretary of Defense for C3I
(OASD C3I)
Washington DC
- D M. RAISH Leonard R.
Partner
Fletcher, Heald and
Hildreth
Rosslyn, VA
- D M. RAPPOPORT Eugene
Manager
Radio Standards
AT&T
Bedminster, NJ
- D M. REINHART Edward E.
Consultant
Edward E. Reinhart
Telecommunication Consultant
McLean, VA
- D M. RINALDO Paul L.
Manager
Technical Relations
American Radio Relay League
Washington DC
- D M. SAKAI George
Deputy Division Manager
Federal Aviation
Administration
Washington DC
- D M. STRUBA David
Chief
Spectrum Management
National Aeronautics and
Space Administration (NASA)
Washington
- D Mme TAYLOR Leslie
President
Leslie Taylor Associates
Bethesda, MD
- D M. WILLIAMS Francis K.
Chief, Treaty Branch
Federal Communications
Commission
Washington DC

**USA Etats-Unis d'Amérique
United States of America
Estados Unidos de América
(suite)**

A M. BLAIS John P.
Senior Advisor
Special Projects
Bureau of International
Communications and Information
Policy
Department of State
Washington DC

FNL Finlande - Finland - Finlandia

C M. KARJALAINEN Jorma
Head of Department
Telecommunications
Administration Centre
Helsinki

CA Mme HUHTALA Margit
Head of Section
Telecommunications
Administration Centre
Helsinki

D M. HUUHKA Esko
Planning Engineer
Oy Yleisradio Ab
Helsinki

D M. KOHTALA Antti
Chief Engineer
Ministry of Transport and
Communications
Helsinki

F France - France - Francia

C M. FEVRE Nicolas
Président
Comité de coordination des
télécommunications
Paris

CA M. POPOT Michel
Secrétaire général
Comité de coordination des
télécommunications
Paris

CA M. TASSIN Jean
Chef
Département de la
réglementation du spectre
Ministère de l'industrie, des
postes et télécommunications
et du commerce extérieur
Paris

**F France - France - Francia
(suite)**

D M. ABOUDARHAM Pierre
Directeur régional
Centre national d'études des
télécommunications (CNET)
Issy les Moulineaux

D M. ALONSO Michel
Chef
Bureau des fréquences
du CNFS
Centre spatial de Toulouse
Toulouse

D M. BOURGEAT Lucien
Ingénieur en chef des
télécommunications
Ministère de l'industrie, des
postes et télécommunications
et du commerce extérieur
Paris

D M. COCHEPIN Robin-Frédéric
Responsable des fréquences
Etat major des armées
Division Transmissions
Electrique Informatique
Ministère de la défense
Paris

D M. DEVEY Jean-François
Sous-directeur des
radiocommunications
Ministère de l'industrie, des
postes et télécommunications
et du commerce extérieur
Paris

D M. LEMAIRE Jean
Chef du service technique
Conseil supérieur de
l'audiovisuel
Paris

D Mme NEBES Anne-Marie
Chef, Département coordination
interministérielle et
internationale - Direction de
la réglementation générale
Ministère de l'industrie, des
P&T et du commerce extérieur
Paris

D M. PERRICHON Pierre
Directeur
Recherche et développement
Société française des
radiotéléphones
Paris

F France - France - Francia
(suite)

- D M. PICHEVIN Bernard
Chef du BMNF
Ministère de l'industrie, des
postes et télécommunications
et du commerce extérieur
Paris
- D M. PILLET Thierry
Chef, Département économie des
fréquences - Direction de la
réglementation générale
Ministère de l'industrie, des
postes et télécommunications
et du commerce extérieur
Paris
- D M. SCHLATTER Alain
Chef, Service des fréquences
Télédiffusion de France
Montrouge
- D M. SILLARD F.J.
Chef, Groupement
"Planification du spectre"
Ministère de l'industrie, des
postes et télécommunications
et du commerce extérieur
Paris
- D M. THUÉ Marcel
Ingénieur général
FRANCE TELECOM
Issy les Moulineaux
- D M. ZINOVIEFF Eric
Chef
Groupement des fréquences
FRANCE TELECOM
Montrouge

GAB Gabonaise (République)
Gabonese Republic
Gabonesa (República)

- C M. MASSIMA-LANDJI Jean-Jacques
Directeur central
Office des postes et des
télécommunications
Libreville
- CA M. LEGNONGO Jules
Directeur général adjoint
Chargé de l'équipement et de
l'exploitation
Radio Télévision Gabonaise
(Chaîne 1)
Libreville

GAB Gabonaise (République)
Gabonese Republic
Gabonesa (República)
(suite)

- CA M. MBENG-EKOGHA Fabien
Directeur
Inspection des études,
télécommunications et
relations internationales
Office des postes et des
télécommunications
Libreville
- D M. IMOUNGA Francis
Directeur général adjoint
Chargé de l'équipement et de
l'exploitation
Radio Télévision Gabonaise
(Chaîne 2)
Libreville
- D M. JOCKTANE Christian D.
Inspecteur régional
Ministère de la communication,
des postes et des
télécommunications
Libreville
- D M. NKOGHE NDONG Louis
Chef
Service des études
télécommunications et
relations internationales
Office des postes et des
télécommunications
Libreville
- D Mlle OKIKADI Pélagie
Chef
Service des relations
internationales
Office des postes et des
télécommunications
Libreville

GMB Gambie (République de)
Gambia (Republic of the)
Gambia (República de)

- C M. CHAM Eliman M.
Deputy Managing Director
Gambia Telecommunications
Co. Ltd.
Banjul
- D M. CHAM Momodou M.
Senior Operations Manager
Gambia Telecommunications
Co. Ltd.
Banjul

GHA Ghana - Ghana - Ghana

- D M. BROCK Philip A.
Senior Technical Officer
Office of the President
Ghana Frequency Registration
and Control Board
Accra
- D M. NCHOR Oscar A.
Technician/Engineer
Ghana Broadcasting Corporation
Accra
- D M. SOLOMON Joseph E.
Acting Director of Engineering
Ghana Broadcasting Corporation
Accra

GRC Grèce - Greece - Grecia

- D M. HAGER Konstantin
Head, Technical Direction
of Communications
Administration of Posts and
Telecommunications
Ministry of Transport and
Communications
Athens
- A M. YANTAIS Dimitris
Conseiller d'Ambassade
Mission permanente de la Grèce
Genève

**GTM Guatemala (République du)
Guatemala (Republic of)
Guatemala (República de)**

- D M. GUILLEN KRISCHE Walther
Spectrum Management Chief
Empresa Guatemalteca de
Telecomunicaciones
Guatemala

**GUI Guinée (République de)
Guinea (Republic of)
Guinea (República de)**

- C M. SOW Mamadou D.
Ingénieur responsable de la
gestion des fréquences
Comité national de
coordination des
télécommunications (CNCT)
Ministère de la communication
Conakry

**GUI Guinée (République de)
Guinea (Republic of)
Guinea (República de)
(suite)**

- CA M. SOUARE Souleymane
Ingénieur, Chef du
service maintenance
Radio Télévision Guinéenne
(RTG)
Ministère de la Communication
Conakry

**HNG Hongrie (République de)
Hungary (Republic of)
Hungria (República de)**

- C M. BÖLCSKEI Imre
Deputy State Secretary
Ministry of Transport,
Communication and Water
Management
Budapest

- CA M. HORVATH Ferenc
Deputy Director General
Ministry of Transport,
Communications and Water
Management
Budapest

- CA M NEMCSICS Elek
General Director
General Inspectorate of
Communications
Budapest

- D M. BOZSOKI István
Head of Department
General Inspectorate of
Communications
Budapest

- D M. NEMES István
Head
Frequency Management
Department
Ministry of Defence
Budapest

- D M. RAJKI Tibor
Director General
Ministry of Defence
Budapest

- D Mme SZLATÉNYI Sznezsanka B.
Counsellor
Ministry of Transport,
Communications and Water
Management
Budapest

IND Inde (République de l')
India (Republic of)
India (República de la)

- C M. PRASAD S.M.
Member (Technology) and
Ex-Officio Secretary to the
Government of India
Telecom Commission
Ministry of Communications
New Delhi
- CA M. AGARWAL R.N.
Joint Wireless Adviser
Ministry of Communications
New Delhi
- D M. CHAWLA Navin
Joint Secretary
Ministry of Information and
Broadcasting
New Delhi
- D M. JOSHI H.M.
Engineer in Chief
All India Radio
Ministry of Information and
Broadcasting
- D M. TRIPATHI S.K.
Counsellor
Permanent Mission of India
Geneva

INS Indonésie (République d')
Indonesia (Republic of)
Indonesia (República de)

- CA M. SOEDARSO Saksono R.
Deputy Director General
Frequency Management
Directorate General of Posts
and Telecommunications
Jakarta
- D M. ABAS Musma M.
First Secretary
Political Affairs
Permanent Mission of Indonesia
Geneva
- D M. ADAMHAR Ferry
Third Secretary
Permanent Mission of Indonesia
Geneva
- D M. AMIR Ahmad
General Manager
PT Telekomunikasi Indonesia
Bandung

INS Indonésie (République d')
Indonesia (Republic of)
Indonesia (República de)
(suite)

- D M. DJOHAR Mochamad A.
Senior Engineer
PT INDOSAT
Jakarta
- D M. GUNADI
Directorate General of Posts
and Telecommunications
Jakarta
- D M. MANURUNG Permin
Head, Aeronautical Information
Service
Directorate General of
Air Communication
Jakarta
- D M. NANGOI Edmond
General Manager
PT Telekomunikasi Indonesia
Bandung
- D M. NIKELAS Ismara
Director of Radio Standards
Directorate General of Posts
and Telecommunications
Jakarta
- D M. RUSLAN Sunarya
Chief Engineer
Directorate General
Radio, TV and Film
Department of Information
Jakarta
- D M. SANTOSO Armo
PT Telekomunikasi Indonesia
Bandung
- D M. SARDJONO
Paban III/Lek
Staf Komunikasi dan
Elektronika
Jakarta
- D M. SEMBIRING Brandan S.
Head of Engineering Centre
Directorate General
Radio, TV and Film
Ministry of Information
Jakarta
- D M. SOEWASTO S.
Official
Department of Defence
Jakarta

INS Indonésie (République d')
Indonesia (Republic of)
Indonesia (República de)
 (suite)

- D M. WIDODO Makmur
 Counsellor for Political
 Affairs
 Permanent Mission of Indonesia
 Geneva
- D Mme YUDHI SARI S. Yudhi
 Chief, Aeronautical Fixed
 Services
 Directorate General of
 Air Communication
 Jakarta

IRN Iran (République islamique d')
Iran (Islamic Republic of)
Irán (República Islámica del)

- C M. ASKARI Mohammad A.
 Deputy Director General
 Directorate General of
 Telecommunications
 Ministry of PTT
 Tehran
- D M. BEHDAD Emamgholi
 General Director
 Network Expansion
 Islamic Republic of Iran
 Broadcasting
 Tehran
- D M. GASPAR Vanand
 Senior Planning Engineer
 Islamic Republic of Iran
 Broadcasting
 Tehran
- D M. JOHARI Gholamhossein
 Expert in Administration
 Ministry of PTT
 Tehran
- D M. MAHDAVI Mansour
 Broadcasting General Manager
 Islamic Republic of Iran
 Broadcasting
 Tehran

IRL Irlande - Ireland - Irlanda

- C M. CAREY Pat
 Staff Engineer
 Department of Transport,
 Energy and Communications
 Dublin

IRL Irlande - Ireland - Irlanda
 (suite)

- D M. DENHAM D.
 First Secretary
 Permanent Mission of Ireland
 Geneva
- D Mlle FLEMING Susan
 Executive Engineer
 Department of Transport,
 Energy and Communications
 Dublin

ISL Islande - Iceland - Islandia

- C M. ARNAR Gustav
 Chief Engineer
 General Directorate of Posts
 and Telecommunications
 Reykjavik

ISR Israël (Etat d')
Israel (State of)
Israel (Estado de)

- C M. HOYDA Raphael
 Director
 Spectrum Management Division
 Ministry of Communications
 Tel Aviv
- CA M. BAR-SELA Alon
 Head
 Mobile Communication Dept.
 Ministry of Communications
 Tel Aviv
- D M. BEIVAR Israel
 Technical Advisor to
 Head of Spectrum Management
 Division
 Ministry of Communications
 Tel Aviv
- D M. KESHET Ronen
 Deputy Director
 Frequency Management Division
 Ministry of Communications
 Tel Aviv
- D M. KUCK A.
 Special Adviser on
 Spectrum Management
 Ministry of Communications
 Tel Aviv
- D M. LEVIN Zalman
 Consulting Engineer
 Radio & TV Broadcasting Div.
 Ministry of Communications
 Tel Aviv

I Italie - Italy - Italia

- C M. AVANZI Francesco
Central Director for
Radio Services
Ministero Poste e
Telecomunicazioni
Roma
- CA M. DELL'OVO Andrea
Dirigeant
Ministero Poste e
Telecomunicazioni
Roma
- CA M. FARIOLI Marcello
Dirigeant
Ministero Poste e
Telecomunicazioni
Roma
- D M. BELLINI Giorgio
Expert TLC
IRITEL
Roma
- D M. BONCOMPAGNI LUDOVISI Paolo
Responsabile Cooperazione
Internazionale
Società italiana per
l'Esercizio delle
Telecomunicazioni (SIP)
Roma
- D M. D'ANDRIA Emanuele
Head, Space Segment
Telespazio
Roma
- D Mme DAMIA Giovanna
Directeur
Relations internationales
Ministero Poste e
Telecomunicazioni
Roma
- D M. FEDI Francesco
Director
Fondazione "Ugo Bordonini"
Roma
- D Mme GIANCASPRO Maria
Dirigeant supérieur
Exploitation
Ministero Poste e
Telecomunicazioni
Roma
- D M. MAGENTA Alfredo
Directeur des relations
techniques internationales
Radiotelevisione Italiana
(RAI)
Roma

I Italie - Italy - Italia
(suite)

- D M. PARENTE Pietro
Engineer
SIP Headquarters
Roma
- D M. PAVONI Luigi
Engineer
IRITEL
Roma
- D Mme PILERI Alessandra
Directeur de section
Ministero Poste e
Telecomunicazioni
Roma
- D M. RAMILLI Ubaldo
Dirigente superiore in
Telecomunicazioni
Ministero Poste e
Telecomunicazioni
Roma
- D M. SCARPELLI Michele
Vice-Dirigeant administratif
Ministero Poste e
Telecomunicazioni
Roma
- D M. SERAFINI Roberto
Engineer
Planification des fréquences
Radiotelevisione Italiana
(RAI)
Roma
- D M. TERZANI Carlo
Consultant
Radiotelevisione Italiana
(RAI)
Roma
- D M. TOSATO Enrico
Chairman of Radiocommunication
Committee
Associazione Nazionale
Industrie Elettrotecniche ed
Elettroniche
Roma
- D M. ZANICHELLI Bruno
Frequency Manager
Ministry of Defence
Roma

J Japon - Japan - Japón

- C M. UTSUMI Yoshio
Director-General
International Affairs Dept.
Ministry of Posts and
Telecommunications
Tokyo

J Japon - Japan - Japón
(suite)

- CA M. MOTAI Akio
Director-General
Radio Department
Ministry of Posts and
Telecommunications
Tokyo
- D M. HAYASHI Hiroyasu
Deputy Director
Aeronautical and Maritime
Communications Division
Ministry of Posts and
Telecommunications
Tokyo
- D M. INADA Shuichi
Senior Adviser
Land Mobile Communications
Division
Ministry of Posts and
Telecommunications
Tokyo
- D M. KAWAUCHI Masataka
Senior Adviser
General Affairs Division
Telecommunications Bureau
Ministry of Posts and
Telecommunications
Tokyo
- D M. KOSAKA Katsuhiko
Chief
International Affairs Section
Communications Research
Laboratory
Ministry of Posts and
Telecommunications
Tokyo
- D Mlle MIYAKAWA Tomoko
Section Chief
Frequency Planning Division
Ministry of Posts and
Telecommunications
Tokyo
- D M. TAKAHASHI Morikazu
Director
International Organizations
Division
Ministry of Posts and
Telecommunications
Tokyo
- D M. WAKABAYASHI Shigeyoshi
Deputy Director
General Coordination Division
Ministry of Posts and
Telecommunications
Tokyo

J Japon - Japan - Japón
(suite)

- D M. YAMADA Toshiyuki
Senior Adviser
General Coordination Division
Ministry of Posts and
Telecommunications
Tokyo
- D M. YOSHIDA Yasushi
First Secretary
Permanent Mission of Japan
Geneva
- A M. EBISAWA Masayoshi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. FURUKAWA Hiroshi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. FURUYA Takashi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. HARA Hideo
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. KATAOKA Kouichi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. KATAYAMA Shuji
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. KAWAZOE Takahiro
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. KUWABARA Eiji
Adviser
Ministry of Posts and
Telecommunications
Tokyo

**J Japon - Japan - Japón
(suite)**

- A M. MIYAWAKI Noboru
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. MURATANI Takuro
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. MUROTANI Masayoshi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. NIIYA Masamichi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. ONODERA Tadashi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. SAKOH Kazushige
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. SAMEJIMA Shuichi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. SASAKI Akira
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. SEMMOTO Sachio
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- A M. SUGITA Yuji
Adviser
Ministry of Posts and
Telecommunications
Tokyo

**J Japon - Japan - Japón
(suite)**

- A M. TAKEUCHI Hironobu
Adviser
Ministry of Posts and
Telecommunications
Tokyo
 - A M. TANIHARA Hidehiko
Adviser
Ministry of Posts and
Telecommunications
Tokyo
 - A M. TAWARA Yasuo
Adviser
Ministry of Posts and
Telecommunications
Tokyo
 - A M. YAMAKAWA Satoshi
Adviser
Ministry of Posts and
Telecommunications
Tokyo
 - A M. YOKOYAMA Yoshihito
Adviser
Ministry of Posts and
Telecommunications
Tokyo
- KEN Kenya (République du)
Kenya (Republic of)
Kenya (República de)**
- C M. KITHINJI G.
Deputy Secretary
Ministry of Transport and
Communications
Nairobi
 - CA M. SHINGIRAH R.M.
Assistant General Manager
Telecommunication Services
Kenya Posts and
Telecommunications Corporation
Nairobi
 - D M. GITHUA Daniel K.
Development Engineer
Kenya Broadcasting Corporation
Nairobi
 - D Mme KOECH Alice C.
Senior Assistant Manager
International Relations
Kenya Posts and
Telecommunications Corporation
Nairobi

**KEN Kenya (République du)
Kenya (Republic of)
Kenya (República de)
(suite)**

D M. WAINAINA Wilson N.
Staff Officer for
Communications
Department of Defence
Nairobi

**KWT Koweït (Etat du)
Kuwait (State of)
Kuwait (Estado de)**

C M. AL-AMER Sami K.
Director
Monitoring Frequency and
Licence Department
Ministry of Communications
Safat

CA M. AL-QATTAN Hameed H.
Director
Technical Services Department
Ministry of Communications
Safat

D M. ABDEEN Abdul-Redha
Transmissions and New Services
Controller
Ministry of Communications
Safat

D M. AL-BUTI Yousef
Ministry of Communications
Safat

D M. AL-NAKHAILAN Yousef
Project Controller
Ministry of Communications
Safat

D M. DUGHAM Homoud
Ministry of Communications
Safat

**LVA Lettonie (République de)
Latvia (Republic of)
Letonia (República de)**

C M. BOGENS Karlis
Director
Latvia Telecommunication
State Inspection
Riga

**MKD L'ex-République yougoslave
de Macédoine
The Former Yugoslav Republic
of Macedonia
La ex República Yugoslava de
Macedonia**

C M. VELJANOV Mile
Deputy Minister of
Radiocommunications
Ministry for Physical
Planning, Civil Engineering,
Traffic and Ecology
Skopje

CA M. GEORGIEV Branko
Technical Director
Macedonian Radio Television
Skopje

D M. GJORGJEVSKI Ljubisa
Director
Department of Transmitters
and Links
Macedonian Radio Television
Skopje

D M. KOSTOVSKI Risto
Deputy Director General
PTT Macedonia
Skopje

D M. MITEVSKI Jovan
Senior Adviser of
Radiocommunications
Ministry for Physical
Planning, Civil Engineering,
Traffic and Ecology
Skopje

D Mme TASEVSKA B.
Chargé d'affaires
Permanent Mission of the
Former Yugoslav Republic
of Macedonia
Geneva

LBN Liban - Lebanon - Líbano

C M. GHAZAL Maurice-Habib
Représentant permanent aux
instances internationales des
télécommunications
Ministère des postes et des
télécommunications
Beyrouth

**LIE Liechtenstein (Principauté de)
Liechtenstein (Principality of)
Liechtenstein (Principado de)**

Représenté par la Suisse

**LUX Luxembourg
Luxembourg
Luxemburgo**

- C M. SCHUH Paul
Conseiller de direction
première classe
Ministère des communications
Luxembourg
- CA M. DONDELINGER Charles
Directeur général adjoint
Ministère des communications
Luxembourg
- CA M. WANGEN Ed
Ingénieur technicien
inspecteur
Ministère des communications
Luxembourg
- D M. HERZOG Marc J.
Ingénieur en chef
Ministère des communications
Luxembourg
- D M. NETTERVILLE Dave
Senior Spectrum Management
Engineer
Ministère des communications
Luxembourg
- D M. TORRES Milton
Communications Systems Manager
Ministère des communications
Luxembourg

MLA Malaisie - Malaysia - Malasia

- C M. PARMAN Hod
Deputy Director General
Jabatan Telekom Malaysia
Ministry of Energy,
Telecommunications and Post
Kuala Lumpur
- CA M. BERNAWI Mohd A.
Director, Frequency Management
Jabatan Telekom Malaysia
Ministry of Energy,
Telecommunications and Post
Kuala Lumpur

**MLA Malaisie - Malaysia - Malasia
(suite)**

- D M. HENG Yang Teck
Unit Manager
Fundamental Planning
Jabatan Telekom Malaysia
Ministry of Energy,
Telecommunications and Post
Kuala Lumpur
- D Mlle KALAM Fauziah
Assistant Manager
International Division
Jabatan Telekom Malaysia
Ministry of Energy,
Telecommunications and Post
Kuala Lumpur
- D M. MOHD ISA Wahab A.
Assistant General Manager
Mobile Services
Jabatan Telekom Malaysia
Ministry of Energy,
Telecommunications and Post
Kuala Lumpur
- D M. R.EBADI Ali
Technical Manager
Space Systems
Binariang SDN BHD
Kuala Lumpur
- D M. TALIB Aishah
Unit Manager
Jabatan Telekom Malaysia
Kuala Lumpur

MWI Malawi - Malawi - Malawi

- C M. MIJIGA S.J.
Postmaster General
Department of Posts and
Telecommunications
Blantyre
- D M. HIWA Ewen S.
Assistant Chief
Telecommunications Officer
Department of Posts and
Telecommunications
Blantyre
- D M. PHIRI Rogers G.
Senior Engineer
Satellite Communications
Department of Posts and
Telecommunications
Blantyre

MLT Malte - Malta - Malta

- C M. SPITERI George J.
Inspector
Wireless Telegraphy III
Wireless Telegraphy Branch
Office of the Prime Minister
Valletta
- CA M. VALENTINO Martin
Charge d'Affairs a.i.
Permanent Mission of Malta
Geneva
- D M. AGIUS Pierre
Inspector
Wireless Telegraphy I
Wireless Telegraphy Branch
Office of the Prime Minister
Valletta
- D M. DEBONO Anthony V.
General Manager
Telemalta Corporation
St. Georges

**MRC Maroc (Royaume du)
Morocco (Kingdom of)
Marruecos (Reino de)**

- C S.E. M. BENHIMA El Ghali
Ambassadeur
Mission permanente du
Royaume du Maroc
Genève
- CA M. BERRADA Abderrazak
Conseiller
Ministère des postes et des
télécommunications
Rabat
- D Mlle BAROUDI Fatima
Troisième secrétaire
Mission permanente du Maroc
Genève
- D M. EL ORCH El Habib
Chef de Service des
radiocommunications
Ministère des postes et des
télécommunications
Rabat
- D Mlle NAAMAN Khadija
Ingénieur d'état
Radio Télévision Marocaine
(RTM)
Rabat

**MRC Maroc (Royaume du)
Morocco (Kingdom of)
Marruecos (Reino de)
(suite)**

- D M. TOUMI Ahmed
Directeur Central
Ministère des postes et des
télécommunications
Rabat

**MAU Maurice (République de)
Mauritius (Republic of)
Mauricio (República de)**

- C M. BEEHAREE Bhanooduth
Controller
Telecommunications Authority
Port-Louis

**MTN Mauritanie (République
islamique de)
Mauritania (Islamic Republic of)
Mauritania (República
Islámica de)**

- CA M. BA Oumar M.
Chef, Division des
radiocommunications
Office des postes et des
télécommunications
Nouakchott

MEX Mexique - Mexico - México

- C M. BROWN HERNANDEZ Luis M.
Subdirector de Asuntos
Internacionales
Coordinación de Relaciones
Internacionales
Secretaría de Comunicaciones
y Transportes
Mexico
- CA M. GIRON GARCIA Carlos
Director
de Radiocomunicaciones
Dirección
de Radiocomunicaciones
Dirección General de Políticas
Mexico
- D M. ADAME SALAS Lucio
Responsable
Comisión de
Radiocomunicaciones
Colegio de Ingenieros
Mecánicos y Electricistas
Mexico

MEX Mexique - Mexico - México
(suite)

- D M. CARDENAS DOMINGUEZ Angel
Subdirector de Administración
de Radiofrecuencias
Secretaría de Comunicaciones y
Transportes
Mexico
- D M. ROMERO Eusebio
Tercer Secretario
Misión Permanente de México
Ginebra
- A M. MONTAÑO SEGURA Miguel A.
Asesor
Director Jurídico
TECELMEX SA
Mexico
- A M. VILLALVAZO José M.
Presidente
TECELMEX S.A.
Mexico

FSM Micronésie (Etats fédérés de)
Micronesia (Federated States of)
Micronesia (Estados - Federados de)

- C M. JOHNNYBOY Jolden J.
Administrator
Division of Communications
Department of Transportation
and Communications
Ponape
- D M. AKINAGA Takuro
General Manager
Micronesia Telecommunication
Corporation
Ponape
- D M. GALLAN Jose
Chief
International Law
Office of the Attorney General
Ponape

MDA Moldova (République de)
Moldova (Republic of)
Moldova (República de)

- C M. SECRIERU Constantin
First Deputy Minister
Ministry of Informatics,
Information and Communications
Chisinau

MDA Moldova (République de)
Moldova (Republic of)
Moldova (República de)
(suite)

- D M. CICLICCI Teodor
Manager
General Inspectorate for
Radiofrequency
Kishinau

MCO Monaco (Principauté de)
Monaco (Principality of)
Mónaco (Principado de)

- CA M. ALLAVENA Lucien
Ingénieur
Direction générale des postes
et des télécommunications
Monaco
- D M. BIANCHERI Louis
Directeur
Télécommunications de Monaco
Direction des
télécommunications
Monte-Carlo

MNG Mongolie - Mongolia - Mongolia

- C S.E. M. YUMJAV Shirchinjavyn
Ambassadeur
Mission permanente de
la Mongolie
Genève
- CA M. SHAGDARSUREN Sharyn
Conseiller
Mission permanente de
la Mongolie
Genève

MOZ Mozambique (République du)
Mozambique (Republic of)
Mozambique (República de)

- C M. JORGE Joao J.
Head, Frequency Management
Division
Telecommunications of
Mozambique
Maputo

BRM Myanmar (Union de)
Myanmar (Union of)
Myanmar (Unión de)

- C S.E. M. HLAING Tin K.
Ambassador
Permanent Mission of the
Union of Myanmar
Geneva

**BRM Myanmar (Union de)
Myanmar (Union of)
Myanmar (Unión de)
(suite)**

- D M. SWE Nyunt
Second Secretary
Permanent Mission of the
Union of Myanmar
Geneva
- D M. THAN Mya
Deputy Permanent
Representative
Permanent Mission of the
Union of Myanmar
Geneva

**NMB Namibie (République de)
Namibia (Republic of)
Namibia (República de)**

- C M. KRUGER J.H.
Chief Technician
Telecom Namibia
Windhoek
- D M. HOFFMANN J.J.
Clerk
Telecom Namibia
Windhoek

**NGR Niger (République du)
Niger (Republic of the)
Níger (República del)**

- C M. MALAM BOUKAR Abdoulaye
Responsable
Gestion des fréquences
Office des postes et des
télécommunications
Niamey

**NIG Nigéria (République fédérale du)
Nigeria (Federal Republic of)
Nigeria (República Federal de)**

- A M. OLADEJI B.I.D.
First Secretary
Permanent Mission of Nigeria
Geneva

NOR Norvège - Norway - Noruega

- C M. BOE Thormod
Special Advisor
Norwegian Telecommunications
Regulatory Authority
Oslo

**NOR Norvège - Norway - Noruega
(suite)**

- D M. ANDREASSEN Yngvar
Senior Engineer
Satellite Division
Norwegian Telecom
Oslo
- D M. JOROL Erik H.
Senior Engineer
Norwegian Telecommunications
Regulatory Authority
Oslo
- D M. ODEGAARD Fritz
Deputy Director
Networks Division
Norwegian Telecom
Oslo

**NZL Nouvelle-Zélande
New Zealand
Nueva Zelandia**

- C M. HUTCHINGS Ian R.
Manager
Radio Spectrum Operations
Ministry of Commerce
Wellington
- CA M. MCGUIRE Kenneth J.
Manager
International Radio Policy
Communications Division
Ministry of Commerce
Wellington
- D M. EMIRALI Bruce R.
Frequency Manager
New Zealand Defence Force
Wellington
- D M. GARDENIER Peter H.
Technology Analyst
Fundamental Planning
Telecom Corporation of
New Zealand
Wellington

**OMA Oman (Sultanat d')
Oman (Sultanate of)
Omán (Sultanía de)**

- C M. AL-ABDISSALAM Salem A.
Frequency Management and
Monitoring
Telecommunications Frequencies
and Control
Ministry of Posts, Telegraphs
and Telephones
Muscat

OMA Oman (Sultanat d')
Oman (Sultanate of)
Omán (Sultanía de)
 (suite)

- D M. AL MHEDHERY Ali
 Chief
 Section of Communications
 Directorate General of Civil
 Aviation and Meteorology
 Ministry of Communications
 Muscat
- D M. AL-BALOUSHI Gholam B.
 Engineer
 Director of System Programming
 Directorate General of
 Strategic Planning and
 Projects - General
 Telecommunication Organization
 Muscat

UGA Ouganda (République de l')
Uganda (Republic of)
Uganda (República de)

- C M. MUSISI Edward K.
 Principal Executive Engineer
 Uganda Posts and
 Telecommunications
 Kampala

PAK Pakistan (République
islamique du)
Pakistan (Islamic Republic of)
Pakistán (República Islámica del)

- C M. KHAN Zerullah
 Deputy Chief Engineer
 Pakistan Telecommunication
 Corporation
 Islamabad
- CA M. TAHIR Abdul B.
 Director of Development
 Pakistan Telecommunication
 Corporation
 Islamabad

PNR Panama (République du)
Panama (Republic of)
Panamá (República de)

- D M. GONZALEZ JURADO José M.
 Telecommunication Advisor
 Ministry of Government and
 Justice
 Panama

PNG Papouasie-Nouvelle-Guinée
Papua New Guinea
Papua Nueva Guinea

- C M. KAMBLIJAMBI John K.
 Director
 Corporate Communication
 Post and Telecommunication
 Corporation
 Port Moresby
- CA M. ARIFEAE Peter
 Policy Officer
 Department of Transport
 Port Moresby
- D M. ARENI Xavier
 Radio Engineer (AEWE)
 Department of Civil Aviation
 Port Moresby
- D M. DE SOYZA Annesley
 Manager, Spectrum Engineering
 Spectrum Management Department
 Port Moresby
- D M. KABEWA Bob P.
 Head, Operations and
 Maintenance
 National Broadcasting
 Commission
 Port Moresby
- D M. KARIKO David
 Executive Manager
 Spectrum Management Department
 Port Moresby
- D M. MOLEAN Francis
 Controller Maritime Services
 Department of Transport
 Madang
- D M. PAN Qingwei
 Senior Lecturer
 University of Technology
 Department of Electrical and
 Communication Engineering
 Lae

PRG Paraguay (République du)
Paraguay (Republic of)
Paraguay (República del)

- D M. ASTIGARRAGA Juan Carlos
 Jefe
 Departamento de Radiodifusión
 ANTELCO
 Asunción

**HOL Pays-Bas (Royaume des)
Netherlands (Kingdom of the)
Países Bajos (Reino de los)**

- C M. LUIKENS Houko
Operational Directorate
Affairs
Telecommunications and Post
Department
Ministry of Transport, Public
Works and Water Management
The Hague
- CA M. BROERE Jan F.
Operational Directorate
Affairs
Telecommunications and Posts
Department
Ministry of Transport, Public
Works and Water Management
The Hague
- D Mme ALBERS Irene
Chief, International Policy
Section
Telecommunications and
Post Department
Ministry of Transport, Public
Works and Water Management
The Hague
- D Mme JEANTY VAN DER SPEK Lilian
Operational Directorate
Affairs
Telecommunications and Posts
Department
Ministry of Transport, Public
Works and Water Management
The Hague

**PHL Philippines (République des)
Philippines (Republic of the)
Filipinas (República de)**

- D M. ESPEJO C.V.
Second Secretary
Permanent Mission of the
Philippines
Geneva

**POL Pologne (République de)
Poland (Republic of)
Polonia (República de)**

- C M. RUSIN Marek
Sous-secrétaire d'état
Ministère des postes et
télécommunications
Varsovie

**POL Pologne (République de)
Poland (Republic of)
Polonia (República de)
(suite)**

- CA M. KSIEZNY Andrzej
Director
Frequency Coordination and
International Cooperation
Department
National Radiocommunication
Agency
Warsaw
- D M. MORON Wladyslaw
Adviser
National Radiocommunication
Agency
Warsaw
- D Mme PLISZKA Ewa
Expert
Polish Telecommunications Co.
Research and Development
Centre
Warsaw

POR Portugal - Portugal - Portugal

- C M. SIMOES CARNEIRO Rogério
Administrateur
Instituto das Comunicações
de Portugal (ICP)
Lisboa
- CA M. PEREIRA DA COSTA Luciano
Directeur
Instituto das Comunicações
de Portugal (ICP)
Lisboa
- D Mme MENDES Luisa
Ingénieur en chef
Instituto das Comunicações
de Portugal (ICP)
Lisboa

**SYR République arabe syrienne
Syrian Arab Republic
República Árabe Siria**

- C M. KISRAWI Nabil
Senior Consultant
Syrian Telecommunications
Administration
Damascus

**KRE République populaire
démocratique de Corée
Democratic People's Republic
of Korea
República Popular Democrática
de Corea**

- D M. CHONG Yong Y.
Officer in charge of ITU
Permanent Mission of the
Democratic People's Republic
of Korea
Geneva

**SVK République slovaque
Slovak Republic
República Eslovaca**

- C M. ZEMAN Vladimir
General Director
Communication Division
Ministry of Transport,
Communications and Public
Works
Bratislava
- CA Mme MALA Erika
Director
Telecommunications Division
Ministry of Transport,
Communications and
Public Works
Bratislava
- D M. CIPKA Ivan
Manager
Slovak Telecommunications
Bratislava
- D M. KUBAN Jozef
Director
Slovak Telecommunications
Bratislava
- D M. SCEHOVIC Aurel
Managing Director
Research Institute of PTT
Banska Bystrica
- D M. ULICKY Jan
Managing Director
Telecommunications Office
Bratislava
- A M. MUSIL Miroslav
First Secretary
Permanent Mission of the
Slovak Republic
Geneva

**CZE République tchèque
Czech Republic
República Checa**

- C M. SEDLACEK Vladimir
Director
Telecommunication Department
Ministry of Economy
Praha

**CZE République tchèque
Czech Republic
República Checa
(suite)**

- D M. CHALUPSKY Zdenek
Counsellor
Telecommunication Department
Ministry of Economy
Praha
- D M. NOVOTNY Jiri
Director
Frequency Spectrum Management
Department
Telecommunication Office
Ministry of Economy
Praha
- D M. ZACHEJ Marián
Chief
Frequency Office
Ministry of Defence
Praha

ROU Roumanie - Romania - Rumania

- C M. IONESCU Cantemir
Directeur général
Ministère des communications
Bucarest
- D M. NICOLA Dan
Directeur général
Inspectorat général des
radiocommunications
Bucarest
- D M. SPATARU Nicolae
Expert
Ministère de la défense
nationale
Bucarest

**G Royaume-Uni de Grande-Bretagne
et d'Irlande du Nord
United Kingdom of Great Britain
and Northern Ireland
Reino Unido de Gran Bretaña
e Irlanda del Norte**

- C M. GODDARD Michael
Director
Spectrum Policy
Radiocommunications Agency
Department of Trade and
Industry
London

G Royaume-Uni de Grande-Bretagne
et d'Irlande du Nord
United Kingdom of Great Britain
and Northern Ireland
Reino Unido de Gran Bretaña
e Irlanda del Norte
(suite)

CA M. BARCLAY Leslie W.
Deputy Director
Research and Radio Technology
Radiocommunications Agency
Department of Trade and
Industry
London

CA M. JOHNSON Malcolm A.
Head of International
Coordination and Regulation
Radiocommunications Agency
Department of Trade and
Industry
London

D M. DAVID Adrian
Department of
Telecommunications
Bermuda

D M. JAYASURIYA Don
Head
Mobile Services Section
Radiocommunications Agency
Department of Trade and
Industry
London

D M. ROGERS John B.
Manager
Network Technology and
Initiatives
British Telecom
London

D M. SPURLING John O.
Manager ITU and Radio
Regulatory Affairs
Cable and Wireless
London

D M. WONG Mang H.
Chief Telecommunications
Engineer
Office of the
Telecommunications Authority
Hong Kong

A M. BEDFORD R.A.
Consultant
Radiocommunication Agency
Department of Trade and
Industry
London

G Royaume-Uni de Grande-Bretagne
et d'Irlande du Nord
United Kingdom of Great Britain
and Northern Ireland
Reino Unido de Gran Bretaña
e Irlanda del Norte
(suite)

A M. CHEESEMAM Chris J.
Radio Adviser
BT Labs
Ipswich

A M. DAVEY Ian
Technical Development
Manager
BBC World Service
London

A M. DAVIES Michael
Consultant
Radiocommunications Agency
Department of Trade and
Industry
London

A Mme MIDDLETON Christine
Radiocommunications Agency
Department of Trade and
Industry
London

RUS Russie (Fédération de)
Russian Federation
Russia (Federación de)

C M. BOULGAK Vladimir B.
Minister of Posts and
Telecommunications
Ministry of Posts and
Telecommunications
Moscow

CA M. TIMOFEEV Valery V.
Deputy Chairman
State Commission on Frequency
Management
Ministry of Posts and
Telecommunications
Moscow

CA M. TOUR Valery N.
Director
International Relations
Department
Ministry of Posts and
Telecommunications
Moscow

RUS Russie (Fédération de)
Russian Federation
Russia (Federación de)
(suite)

- D M. ALEKSANDROV Vladimir V.
Chief
State Telecommunications
Inspection
Ministry of Posts and
Telecommunications
Moscow
- D M. AZAROV Gennady I.
Expert, "Mashpriborintorg"
Moscow
- D M. BADALOV Ashot L.
Senior Counsellor
Ministry of Posts and
Telecommunications
Moscow
- D M. BISHOVETS Valery P.
First Deputy Head
Communications Department
Ministry of Defence
Moscow
- D M. CHTCHEPOTINE Vladimir I.
Chief Adviser
Morsviazsputnik
Moscow
- D M. DAPKOUNAS P. Edmund
Senior Counsellor
Permanent Mission of the
Russian Federation
Geneva
- D M. DMITRIEV Leonid N.
Head of Division
Federal Agency of
Governmental Communications
and Information
Moscow
- D M. KALINIKHIN Evgeny G.
Ministry of Posts and
Telecommunications
Moscow
- D M. KAZAKOV Serguei
Third Secretary
Permanent Mission of the
Russian Federation
Geneva
- D M. KORBUT Nicolay E.
Head of Division
International Relations
Department
Ministry of Posts and
Telecommunications
Moscow

RUS Russie (Fédération de)
Russian Federation
Russia (Federación de)
(suite)

- D M. KOUCHTOUEV Alexandre I.
First Deputy Director
Radio Research Institute
Ministry of Posts and
Telecommunications
Moscow
- D M. KOZLOV Mikhail V.
Specialist, Department of
International Relations
Ministry of Posts and
Telecommunications
Moscow
- D M. KRAPOTIN Oleg S.
Head of Division
State Commission on Frequency
Management
Ministry of Posts and
Telecommunications
Moscow
- D M. KRESTIANINOV Valery V.
Vice Director General
Morsviazsputnik
Moscow
- D M. KRIVOCHEEV Mark I.
Head
Scientific Division on
Television
Radio Research Institute
Ministry of Posts and
Telecommunications
Moscow
- D M. MATROSOV Valery M.
Senior Specialist
State Telecommunications
Committee
Ministry of Posts and
Telecommunications
Moscow
- D M. MATSARSKI Vitali
First Secretary
Permanent Mission of the
Russian Federation
Geneva
- D M. PAVLIOUK Alexandre P.
Head
Scientific Division on
Frequency Management
Radio Research Institute
Ministry of Posts and
Telecommunications
Moscow

**RUS Russie (Fédération de)
Russian Federation
Rusia (Federación de)
(suite)**

- D M. REZNITCHENKO Pavel A.
Director of Department
Ministry of Posts and
Telecommunications
Moscow
- D M. SOKOLOV Andrey I.
Senior Expert
State Telecommunication
Inspection
Ministry of Posts and
Telecommunications
Moscow

**RRW Rwandaise (République)
Rwandese Republic
Rwandesa (República)**

- C M. NGABONZIZA Jean-Baptiste
Directeur commercial
RWANDATEL
Kigali
- D M. SERUSHYANA François
Chef de service
Transmission et téléphonie
rurale
RWANDATEL
Kigali

**SMR Saint-Marin (République de)
San Marino (Republic of)
San Marino (República de)**

- D S.E. M. THOMAS Dieter E.
Ambassadeur
Mission permanente de
Saint-Marin
Genève
- CA M. GRANDONI Ivo
Coordinator
General Direction of Post
and Telecommunication
San Marino
- D M. GIRI Michele
Technical Adviser
General Direction of Post
and Telecommunication
San Marino

**SMR Saint-Marin (République de)
San Marino (Republic of)
San Marino (República de)
(suite)**

- D Mme ZEILER Huguette
Conseiller
Mission permanente de
Saint-Marin
Genève

**SEN Sénégal (République du)
Senegal (Republic of)
Senegal (República del)**

- C M. NDIONGUE Cheikh T.
Directeur de la communication
Ministère de la communication
Dakar
- CA M. MBAYE Souleymane
Directeur
Coopération et relations
internationales
Société nationale des
télécommunications du Sénégal
(SONATEL)
Dakar
- D M. BA Mamadou B.
Chef
Service de la gestion des
fréquences
Société nationale des
télécommunications du Sénégal
(SONATEL)
Dakar
- D M. KEBE Ousmane
Adjoint au Secrétaire
permanent
Comité national de
coordination des
télécommunications
Dakar
- D M. SOURANG Ardou-Lahad
Premier secrétaire
Mission permanente du Sénégal
Genève

**SNG Singapour (République de)
Singapore (Republic of)
Singapur (República de)**

- C M. LIM Yuk Min
Manager
Frequency Management
Telecommunication Authority
Singapore

**SNG Singapour (République de)
Singapore (Republic of)
Singapur (República de)
(suite)**

- D M. LIM Wee Seng
Division Manager
Radio Engineering
Singapore Telecom Ltd.
Singapore
- D M. YEW MING Lee
Engineer
Singapore Telecom Ltd.
Singapore

**SVN Slovénie (République de)
Slovenia (Republic of)
Eslovenia (República de)**

- C M. BAJEC Zvonko
Director
Telecommunications Authority
Ministry of Transport
and Communications
Telecommunications Authority
Ljubljana

**CLN Sri Lanka (République socialiste
démocratique de)
Sri Lanka (Democratic Socialist
Republic of)
Sri Lanka (República Socialista
Democrática de)**

- C M. DISSANAYAKE Radley C.
Chief Engineer
Licensing and Customer
Services
Office of the Director General
of Telecommunications
Colombo
- CA M. RANASINGHE Nelson E.
Engineer
Monitoring Station
Office of the Director General
of Telecommunications
Colombo

S Suède - Sweden - Suecia

- CA M. BJÖRNSJÖ Krister
Frequency Coordinator
Telia Mobitel
Haninge

**S Suède - Sweden - Suecia
(suite)**

- CA Mlle HENRIKSSON Maria
Head
Spectrum Management
National Telecom Agency
Stockholm
- D M. SKARSFJÄLL Sigge C.
Senior Executive Officer
Frequency Manager
Civil Aviation Administration
Norrköping
- D M. SUNDIN Lars
Responsible for
Standardization
TERACOM
Svensk Rundradio AB
Stockholm

**SUI Suisse (Confédération)
Switzerland (Confederation of)
Suiza (Confederación)**

- C M. PAULI Peter
Chef de section
Office fédéral de la
communication
Bienne
- CA M. RIEDWEG Walter G.
Head
Radio Regulatory Division
General Directorate of
Swiss PTT
Bern
- D Mme BAOUR Ursula
Engineer
Office fédéral des troupes
de transmissions
Berne
- D M. DUPUIS Gilbert
Head of Section
Swiss Telecom PTT
Bern
- D M. GENTSCH Ernst
Head of Group
Swiss Broadcasting Corporation
Zürich
- D M. HAUCK Erhard
Head of Wireless Division
General Directorate of
Swiss PTT
Bern

**SUI Suisse (Confédération)
Switzerland (Confederation of)
Suiza (Confederación)
(suite)**

- D M. ROTH Frédéric
Adjoint scientifique
Office fédéral de la
communication
Bienne
- A M. KIEFFER Henry A.
General Directorate of
Swiss PTT
Muri/Bern
- A M. KLINGLER Rolf
Head
Frequency Management
General Directorate of
Swiss PTT
Bern
- A M. OSWALD Heinz
Deputy Head
Radio Regulatory Division
General Directorate of
Swiss PTT
Bern

**SUR Suriname (République du)
Suriname (Republic of)
Suriname (República de)**

- D Mlle FRÄSER Regenie F.
Head, International Affairs
Telecommunications Corporation
Suriname (TELESUR)
Paramaribo

**TZA Tanzanie (République-Unie de)
Tanzania (United Republic of)
Tanzania (República Unida de)**

- C M. NGALAMBE Stephen B.
Deputy Director General
Tanzania Posts and
Telecommunications Corporation
Dar-Es-Salaam
- CA M. MANGE Emmanuel T.
Principal Executive Engineer
Tanzania Posts and
Telecommunications Corporation
Dar Es Salaam

**TCD Tchad (République du)
Chad (Republic of)
Chad (República del)**

- C M. TINGABAYE Djassibe
Ingénieur des
télécommunications
Office national des postes
et télécommunications
Ndjamena

**TCD Tchad (République du)
Chad (Republic of)
Chad (República del)
(suite)**

- D M. LAONODJI Mbainodji
Chef
Service ingénierie
Radiodiffusion nationale
tchadienne (RNT)
N'Djamena
- D M. MBAISSANE BAISSAN Kaoyo R.
Sous-directeur
Services techniques
Radiodiffusion nationale
tchadienne (RNT)
Ndjamena

**THA Thaïlande
Thailand
Tailandia**

- C M. YUPHO Kittti
Director General
Post and Telegraph Department
Bangkok
- CA M. LEKHYANANDA Danai
Air Navigation Facilities
Expert
Department of Aviation
Bangkok
- CA M. REOWILAIKUSUK Rianchai
Director
Radio Frequency Management
Division
Post and Telegraph Department
Bangkok
- D M. APICHARTTRISORN Wittoon
Chief
Surveying and Planning
Sub-Division
Government Public Relations
Department
Bangkok
- D M. CHANINYUDTHAVONG Kamol
Project Officer
Aeronautical Radio of
Thailand Co. Ltd.
Bangkok
- D Mlle CHUENTONGKAM Wajana
Communications Official
Class 6
Post and Telegraph Department
Bangkok

THA Thaïlande
Thailand
Tailandia
(suite)

- D M. JAMPATHOM Bhumisathit
Manager
System Engineering Division
Aeronautical Radio of
Thailand Co. Ltd.
Bangkok
- D M. RUGSACHART Precha
Senior Executive Manager
Sector of Technical
Engineering
Telephone Organization of
Thailand
Bangkok
- D M. SOOKCHAYEE Manit
Assistant Director
Radio Services Division
The Communications Authority
of Thailand
Bangkok
- D M. SURAPUNTHU Kowit
Director
Domestic Telecommunications
Division
The Communications Authority
of Thailand
Bangkok
- D M. TREERERKRITH Suchart
Transmission Engineering
Manager
Telephone Organization of
Thailand
Bangkok

TGO Togolaise (République)
Togoese Republic
Togolesa (República)

- C M. AMEDODJI Komi V.
Responsable de la gestion des
fréquences
Office des postes et des
télécommunications du Togo
(OPTT)
Lomé

TON Tonga (Royaume des)
Tonga (Kingdom of)
Tonga (Reino de)

- C M. TUFUI Taniela
Chief Secretary and
Secretary to Cabinet
Prime Minister's Office
Nuku'Alofa

TON Tonga (Royaume des)
Tonga (Kingdom of)
Tonga (Reino de)
(suite)

- CA M. MALU Lemeki
General Manager
Tonga Telecommunications
Commission
Nuku'Alofa
- D S.E. M. KITÉ Sione
Ambassador
Tonga High Commission
London
- A M. HILLIARD Carl B.
Special Advisor
Office of Chief Secretary
Prime Minister's Office
Nuku'Alofa
- O Mme AGUILAR-NILSON Raquel
TONGASAT
Office of Chief Secretary
Prime Minister's Office
Nuku'Alofa
- O Mme HILLIARD Sharon
Consultant
Office of Chief Secretary
Prime Minister's Office
Nuku'Alofa
- A M. NILSON Mats C.
Managing Director
TONGASAT
Office of Chief Secretary
Prime Minister's Office
Nuku'Alofa

TUN Tunisie - Tunisia - Túnez

- C M. BETTAIEB Bechir
Ingénieur en chef
Responsable des affaires
internationales
Direction générale des
télécommunications
Tunis
- D M. CHAKROUN Mohamed
Chef de division
Direction des transmissions
Tunis
- D Mme SOUSSI Lilia
Ingénieur en
télécommunications
Ministère des communications
Tunis

TUR Turquie - Turkey - Turquía

- C M. TÜLÜMEN Ali
Acting Director General
General Directorate of
Radiocommunications
Ankara
- CA M. UZAL Vahit
Head, Frequency Application,
Management and Coordination
Department
General Directorate of PTT
Ankara
- D Mlle BORATAV F.Elvan
Engineer
Turkish Radio-Television
Corporation
Ankara
- D Mme CENKCILER A.Dilek
Chief Engineer
Turkish Radio-Television
Corporation
Ankara
- D M. CEYLAN Halil
Deputy Head
Frequency Application,
Management and Coordination
Department
General Directorate of PTT
Ankara
- D M. GÖK Ihsan
Member
Supreme Council for Radio
and Television
Ankara
- D M. SAYRAC Mehmet T.
Head of Research Department
Supreme Council for Radio
and Television
Ankara
- D M. YURDAL Fatih M.
Branch Manager
General Directorate of
Radiocommunications
Ankara

UKR Ukraine - Ukraine - Ucrania

- C M. PROZHIWALSKY Oleg
Minister
Ministry of Posts and
Telecommunications
Kiev

**UKR Ukraine - Ukraine - Ucrania
(suite)**

- CA M. KARKANITSA Vladimir
Chief of Department
Cabinet of Ministers
Kiev
- D M. AMERKHANIAN Gueorgui
Chief
State Inspection of
Telecommunications
Ministry of Posts and
Telecommunications
Kiev
- D M. BOURMISTENKO Victor
Deputy Director of Department
Ministry of Posts and
Telecommunications
Kiev
- D M. DIDOK Alexei
Chief of Division
Ministry of Posts and
Telecommunications
Kiev
- D M. LYSENKO Vladimir
Engineer
Ministry of Posts and
Telecommunications
Kiev
- D M. SAMOILENKO Walentin
Chief of Division
Ministry of Posts and
Telecommunications
Kiev

**URG Uruguay (République
orientale de l')
Uruguay (Eastern Republic of)
Uruguay (República Oriental del)**

- C M. CAMELO Juan J.
Director Nacional
Dirección Nacional de
Comunicaciones
Montevideo
- D M. NUNEZ Alain
Director de División
Dirección Nacional de
Comunicaciones
Montevideo

**VEN Venezuela (République du)
Venezuela (Republic of)
Venezuela (República de)**

- C M. ARAUJO JUAREZ José
Gerente
Asuntos Legales y Públicos
Comisión Nacional de
Telecomunicaciones (CONATEL)
Caracas

VEN Venezuela (République du)
Venezuela (Republic of)
Venezuela (República de)
(suite)

- D M. AGUERREVERE Santiago
Director
Telecomunicaciones de Caracas
Caracas
- D M. CLEMENTE Gonzalo
Director
Iridium Andes Caribe de la
Organización Elca
Caracas
- D Mme ORNES URBANY Alejandra
Senior Advisor
International Relations
Iridium Andes Caribe
Washington D.C.
- D M. VIVAS Orlando J.
Coordinador
Comisión Nacional de
Telecomunicaciones (CONATEL)
Caracas

VTN Viet Nam (République
socialiste du)
Viet Nam (Socialist Republic of)
Viet Nam (República
Socialista de)

- C M. VAN LUONG Luu
Director
Frequency Management
Department
Department General of Posts
and Telecommunications
Hanoi
- D M. VU Huy Tan
Premier secrétaire
Mission permanente du
Viet Nam
Genève

YEM Yémen (République du)
Yemen (Republic of)
Yemen (República del)

- C M. SAAD-YESER Ahmed A.
Manager
Frequency Management
Ministry of Communications
Sana'a

YEM Yémen (République du)
Yemen (Republic of)
Yemen (República del)
(suite)

- D M. MOHSEN Al A.
Manager, Frequency Management
Public Telecommunication
Corporation
Sana'a

ZWE Zimbabwe (République du)
Zimbabwe (Republic of)
Zimbabwe (República de)

- C M. MATAVIRE D.F.
Manager
Frequency Management
Posts and Telecommunications
Corporation
Harare
- D M. MUCHIMBIRI E.
Acting Director
Engineering and Technical
Services
Zimbabwe Broadcasting
Corporation
Harare
- D M. MUPEZENI Kossam
First Secretary
Permanent Mission of
the Republic of Zimbabwe
Geneva

II.1 NATIONS UNIES ET SES INSTITUTIONS SPECIALISEES
UNITED NATIONS AND ITS SPECIALIZED AGENCIES
NACIONES UNIDAS Y SUS ORGANISMOS ESPECIALIZADOS

ICAO

- 690 O M. CHAGAS Judimar
Chief
Communications Section
International Civil Aviation
Organization
Montreal

Hôtel Amat Carlton
- 689 O M. WITZEN Robert
Technical Office
Communications
International Civil Aviation
Organization
Montreal

Hôtel Amat Carlton

OMM

- 710 O M. RAINER Jean-Michel
Chief
Telecommunications Unit
World Meteorological
Organization
Geneva

II.2 ORGANISATIONS REGIONALES
REGIONAL ORGANIZATIONS
ORGANIZACIONES REGIONALES

APT

- 665 O M. SHIN Hyun-Wook
Expert
Asia-Pacific Telecommunity
Bangkok

Hôtel Mon Repos

CEPT

- 593 O M. COURT David I.
Head
European Radiocommunications
Office (ERO)
European Conference of Postal
and Telecommunications
Administration
Copenhagen

Hôtel Mon Repos

RCC

- 467 O M. PLEKHANOV Vladimir V.
First Deputy General Director
Executive Committee
Regional Commonwealth in the
Field of Communications
Moscow

UAPT

- 135 O M. WEGE-NZOMWITA Venant
Observateur permanent adjoint
Union africaine des postes et
télécommunications

II.3 ORGS. INTERGOUVERNEMENTALES EXPLOITANT DES SYSTEMES A SATELLITES
INTERGOVERNMENTAL ORGANIZATIONS OPERATING SATELLITE SYSTEMS
ORGS. INTERGUBERNAMENTALES QUE EXPLOTAN SISTEMAS DE SATELITE

ARABSAT

675 O M. AL-BIDNAH Saad A.
 Director General
 Arab Satellite Communications
 Organization
 Riyadh
 Hôtel Royal

ESA

558 O M. BLOCK Gerhard F.
 Head
 Frequency Management Office
 European Space Agency
 Headquarters
 Paris
 Hôtel Campanile,
 Ferney-Voltaire

EUTELSAT

540 O M. AMADESI Paolo
 Coordinateur des affaires UIT
 Organisation européenne de
 télécommunications par
 satellite
 Paris
 Résidence Orion

542 O M. GRECO Antonio
 Access to Spectrum/
 Orbit Manager
 European Telecommunications
 Satellite Organization
 Paris
 Hôtel Ascot

115 O M. GRENIER Jean
 Directeur général
 Organisation européenne de
 télécommunications par
 satellite
 Paris
 Hôtel des Bergues

INMARSAT

594 O M. ASINUGO Johnson
 Regional Director, Africa
 International Maritime
 Satellite Organization
 London
 Hôtel Grand-Pré

595 O M. EL AMIN Mohamed
 Senior Satellite
 Communications Engineer
 International Maritime
 Satellite Organization
 London
 Hôtel Grand-Pré

596 O M. GHAI Ahmad
 Director
 International Maritime
 Satellite Organization
 London
 Hôtel Grand-Pré

INMARSAT

(Suite)

569 O M. KENNEDY Don
 Senior Manager
 Spectrum and Standards
 International Maritime
 Satellite Organization
 London
 Hôtel Grand-Pré

570 O M. PHILLIPS Bob
 Director
 Spectrum Standards and
 Special Projects
 International Maritime
 Satellite Organization
 London
 Hôtel Grand-Pré

571 O M. SINGARAJAH Kumar
 Senior Frequency
 Coordination Engineer
 International Maritime
 Satellite Organization
 London
 Hôtel Grand-Pré

597 O M. VARGAS Armando
 Regional Director
 Latin America and Caribbean
 International Maritime
 Satellite Organization
 London
 Hôtel Grand-Pré

INTELSAT

543 O M. CHASIA Henry
 Manager
 Orbital Resources Department
 International
 Telecommunications Satellite
 Organization
 Washington
 Hôtel Holiday Inn

544 O M. SAHAY Vishnu
 Head
 Frequency Management
 International
 Telecommunications Satellite
 Organization
 Washington DC
 Hôtel Holiday Inn

INTERSPUTNIK

667 O M. KUDRYAVTSEV Gennady
 Director General
 International Organization
 of Space Communications
 Moscow

668 O M. VESHCHUNOV Victor
 Legal Expert
 International Organization of
 Space Communications
 Moscow

II.4 ORGANISATIONS INTERNATIONALES
INTERNATIONAL ORGANIZATIONS
ORGANIZACIONES INTERNACIONALES

ABU

545 O M. SADHU S.
 Senior Engineer
 Technical Department
 Asia-Pacific Broadcasting
 Union
 Kuala Lumpur

 Hôtel Intercontinental

ASBU

546 O M. SULEIMAN Abdelrahim A.
 Director
 Technical Affairs
 Arab States Broadcasting
 Union
 Tunis

 Hôtel des Nations

CE

194 O M. EDEN David
 Expert national détaché
 Commission of the European
 Communities
 Brussels

 Hôtel Intercontinental

553 O M. KRAEMER Sveno
 Head of Sector
 Commission of the European
 Communities
 Brussels

Hotel International

554 O M. RIETBROEK John
 Principal Advisor
 Commission of the European
 Communities
 Brussels

Hôtel Intercontinental

555 O M. TOSCANO José
 Administrator
 Commission of the European
 Communities
 Brussels

Hôtel Intercontinental

556 O M. VERHOEF Paul
 Administrator
 Commission of the European
 Communities
 Brussels

CICR

53 O M. CAUDERAY Gérald
 Conseiller technique
 Comité international de la
 Croix-Rouge
 Genève

54 O Mme DUTLI Maria-Teresa
 Juriste
 Comité international de la
 Croix-Rouge
 Genève

GCC

548 O *M. AL NOAIMI Saeed S.
 Engineer
 Telecommunication Bureau
 for the Gulf Cooperation
 Council
 Manama

IALA

150 O M. WARD Nicolas
 Principal Development
 Engineer
 International Association
 of Lighthouse Authorities
 Paris

Hôtel Drake

IARU

549 O M. PRICE Larry
 Vice-President
 International Affairs
 International Amateur Radio
 Union
 Newington, CT

Hôtel Carlton

550 O M. VAN DE NADORT Louis
 Chairman
 Region 1
 International Amateur Radio
 Union
 Newington, CT

Hôtel Carlton

IUCAF

209 O M. BAAN W.A.
 Vice-Chairman
 Inter Union Commission on the
 Allocation of Frequencies for
 Space Research and
 Radioastronomy
 Epping

Hôtel Ascot

IUCAF
(Suite)

210 O M. ROBINSON B.J.
 Chairman
 Inter Union Commission on the
 Allocation of Frequencies for
 Space Research and
 Radioastronomy
 Epping

 Hôtel Amat Carlton

UER

547 O M. HUNT Ken
 Ingénieur principal
 Union européenne de
 radio-télévision
 Genève

III. SECRETARIAT GENERAL ET SECTEURS DE L'UNION
GENERAL SECRETARIAT AND SECTORS OF THE UNION
SECRETARIA GENERAL Y SECTORES DE LA UNION

III.1 Membres élus

Secrétariat général

M. P. Tarjanne, Secrétaire général

M. J. Jiguep, Vice-Secrétaire général

Bureau des radiocommunications

M. R. C. Kirby, Directeur

Bureau de la normalisation des télécommunications

M. Th. Irmer, Directeur

Bureau de développement des télécommunications

M. A. Ph. Djiwatampu, Directeur

Comité du Règlement des radiocommunications

M. M. Miura, Président

M. M. Harbi, Vice-Président

M. W. H. Bellchambers

M. G. C. Brooks

M. V. Kozlov

III.2 Conseillers supérieurs

Secrétariat général

M. J. P. Baré

M. L. Goelzer

M. D. MacLean

M. H. Pieterse

M. A. Radjy

M. T. Ras-Work

M. A. Tazi-Riffi

Bureau des radiocommunications

M. Wu Deyan

M. M. Giroux

M. G. Kovacs

M. R. Nickelson

M. K. Olms

M. R. G. Struzak

Bureau de la normalisation des télécommunications

M. M. Malek Asghar

Bureau de développement des télécommunications

M. A. Laouyane

M. P. Kurakov

M. W. Richter

III.3 Conseillers

Bureau des radiocommunications

M. T. Gavrilov

M. K. Arasteh

IV.	<u>SECRETARIAT DE LA CONFERENCE - SECRETARIAT OF THE CONFERENCE</u> <u>SECRETARIA DE LA CONFERENCIA</u>	
IV.1	<u>Secrétaire de la Conférence</u>	: M. P. Tarjanne, Secrétaire général
	Secrétaire exécutif	: M. X. Escofet
	Secrétaire administratif	: M. J. Escudero
IV.2	<u>Séances plénières et Commissions</u>	
	Séance plénière et Commission 1 - Direction	: M. K. Olms <u>Assistante:</u> Mme A. Behrouz
	Commission 2 - Pouvoirs	: M. X. Escofet <u>Assistante:</u> Mme B. Bux
	Commission 3 - Budget	: M. A. Tazi Riffi <u>Assistante:</u> Mme P. Bertinotti
	Commission 4 - Futures conférences	: M. G. Kovacs <u>Assistante:</u> Mme M. C. Revenga
	Commission 5 - Rédaction	: M. B. Vérove <u>Assistante:</u> Mme S. Peic
IV.3	<u>Affaires de caractère légal</u>	: M. A. Noll <u>Assisté de:</u> M. A. Guillot
IV.4	<u>Service de presse</u>	: Mme F. Lambert Mme V. Shahna-Ekman
IV.5	<u>Services de la Conférence</u>	
	Secrétaire administratif	: M. J. Escudero <u>Assistante:</u> Mlle D. Bocard
	Assistante du Secrétaire général	: Mlle M. A. Palmeter
	Assistante du Vice-Secrétaire général	: Mme Ch. Gervais
	Enregistrement des délégués	: Mme E. Baron Mlle P. Janin
	Contrôle des documents	: Mme L. Kocher Mlle C. Gimenez
	<u>Traduction</u>	
	Section française	: Mme F. Sala
	Section anglaise	: Mme S. Rossington
	Section espagnole	: M. A. Peñaranda
	Procès-verbalistes	: Mme S. Rossington

Interprétation

Service des interprètes : Mme M. Jouffroy

Service de composition des documents : Mme D. Duvernay

Secrétaire du Président : Mme C. Boccard

Reprographie : M. Ph. Constantin

Distribution des documents : M. G. Delaye

Service des salles : Mlle Ch. Clin

Messagers : M. A. Brusson

Huissiers de salles : M. M. Diaby

Service informatique : M. P. Prasad
M. G. Jones

Information quotidienne : Mme D. Bourne

Service médical : Mme S. Pannaikatavil



GENEVA, 15-19 NOVEMBER 1993

FINAL LIST OF DOCUMENTS

(Documents 1-81)

A. Basic documents of the Conference

	Document No.		Document No.
<u>Chairmanship of the Conference</u>	38	COMMITTEE 3 (Budget Control)	
<u>Structure of the Conference</u>	37	<u>Summary Records</u>	
<u>List of participants</u>	80	1st meeting	60
PLENARY MEETING		2nd and last meeting	74
<u>Minutes</u>		<u>Report</u>	52
1st meeting	55	COMMITTEE 4 (Agenda)	
2nd meeting	70	<u>Summary Records</u>	
3rd meeting	73	1st meeting	61
4th meeting	76	2nd meeting	69
5th meeting	79	3rd meeting	71
6th meeting	77	4th and last meeting	72
7th and last meeting	78	COMMITTEE 5 (Editorial)	
COMMITTEE 2 (Credentials)		<u>Summary Records</u>	
<u>Summary Records</u>		1st meeting	62
1st meeting	59		
2nd and last meeting	75		
<u>Report</u>	51+Corr.1,2, 2Corr.1		

B. Complete list of documents in numerical order (1-81)

DOCUMENT NUMBER	ORIGIN	DOCUMENT TITLE	DESTINATION
1(Rev.1)	SG	AGENDA OF THE CONFERENCE	PL
2	SG	CREDENTIALS OF DELEGATIONS TO CONFERENCES	C2
3	SG	RESOLUTIONS AND RECOMMENDATIONS OF THE RADIO REGULATIONS	C4
4(Rev.1)	SG	TRANSMITTAL OF LETTER RECEIVED FROM THE ADMINISTRATION OF THE RUSSIAN FEDERATION	PL
5(Rev.1)	SG	TRANSMITTAL OF LETTER RECEIVED FROM THE ADMINISTRATION OF THE KINGDOM OF TONGA	PL
6	SG	RESOLUTIONS AND RECOMMENDATIONS OF THE RADIO REGULATIONS	C4
7	USA	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
8	USA	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
9	CAN	PROPOSALS FOR THE WORK OF THE CONFERENCE	PL, C4
10	J	PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
11 + Corr.1	EUR	EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
12	SG	BUDGET OF THE WORLD RADIOCOMMUNICATION CONFERENCE	C3
13	SG	CONTRIBUTION OF ENTITIES AND ORGANIZATIONS TO THE EXPENSES OF THE CONFERENCE	C3
14	SG	FINANCIAL RESPONSIBILITIES OF CONFERENCES	C3, PL
15 + Add.1	SG	PARTICIPATION REQUESTS SUBMITTED BY INTERNATIONAL ORGANIZATIONS	PL
16(Rev.1)	SG	INVITATIONS	PL
17	B	PROPOSALS FOR THE WORK OF THE CONFERENCE	PL
18	SG	SITUATION OF THE ACCOUNTS OF THE WORLD RADIOCOMMUNICATION CONFERENCE AS AT 15 NOVEMBER 1993	C3
19 + Corr.1	ARS	PROPOSALS FOR THE WORK OF THE CONFERENCE	PL
20	AUS	PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
21	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
22	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
23	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4

DOCUMENT NUMBER	ORIGIN	DOCUMENT TITLE	DESTINATION
24	F	PROPOSAL FOR THE WORK OF THE CONFERENCE	PL
25	IND	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
26	KEN	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
27	SG	LOSS OF THE RIGHT TO VOTE	PL
28	SG	REPORT BY THE VOLUNTARY GROUP OF EXPERTS TO WRC-93	PL
29	SG	NOTE BY THE SECRETARY-GENERAL (PREPARATION FOR THE CONFERENCE BY THE RADIOCOMMUNICATION BUREAU)	PL
30(Rev.1) + Corr.1,2	EUR	EUROPEAN COMMON PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
31 + Corr.1,2,3	D, I, GRC, MCO, NOR, HOL, TUR, CVA	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
32	J	PROPOSAL FOR THE WORK OF THE CONFERENCE	C4
33 + Corr.1	USA	PROPOSAL FOR THE WORK OF THE CONFERENCE	PL
34	SG	INFORMATION NOTE (ADDRESS BY THE SECRETARY-GENERAL TO THE ITU RADIOCOMMUNICATION ASSEMBLY)	PL
35	SG	ALLOCATION OF DOCUMENTS	-
36	SG	SECRETARIAT OF THE CONFERENCE	-
37	SG	STRUCTURE OF THE WORLD RADIOCOMMUNICATION CONFERENCE (WRC-93)	-
38	SG	CHAIRMANSHIP OF THE CONFERENCE	-
39	SG	GENERAL SCHEDULE OF THE WORK OF THE CONFERENCE	-
40	C3	NOTE BY THE CHAIRMAN OF COMMITTEE 3 TO THE CHAIRMAN OF COMMITTEE 4	C4
41	MEX	PROPOSALS FOR THE WORK OF THE CONFERENCE	C4
42	SG	TRANSFER OF POWERS - PRINCIPALITY OF LIECHTENSTEIN / CONFEDERATION OF SWITZERLAND	PL
43	SG	INFORMATION NOTE TRANSMITTAL OF LETTER RECEIVED FROM THE CHAIRMAN, IUCAF	PL
44	SG	TRANSFER OF POWERS - ICELAND / NORWAY	PL
45 + Add.1,2	WG 4A	DRAFT AGENDA FOR WRC-95	C4

DOCUMENT NUMBER	ORIGIN	DOCUMENT TITLE	DESTINATION
46 + Corr.1	WG 4B	DRAFT PRELIMINARY AGENDA FOR WRC-97	C4
47	SG	REPORT FROM THE ITU RADIOCOMMUNICATION ASSEMBLY (GENEVA, 1993), TO THE WORLD RADIOCOMMUNICATION CONFERENCE (GENEVA, 1993)	PL
48	C4	NOTE BY THE CHAIRMAN OF COMMITTEE 4 TO THE CHAIRMAN OF COMMITTEE 3	C3
49	WG 2A	FIRST REPORT OF WORKING GROUP 2A TO COMMITTEE 2	C2
50	SG	LIST OF DOCUMENTS ISSUED (DOCUMENTS 1-50)	PL
51 + Corr.1,2 + Corr.1 to Corr.2	C2	REPORT OF COMMITTEE 2 TO THE PLENARY MEETING	PL
52	C3	REPORT OF THE BUDGET CONTROL COMMITTEE TO THE PLENARY MEETING	PL
53	C5	FIRST TEXT SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING (B.1)	PL
54	C5	SECOND TEXT SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING (B.2)	PL
55	PL	MINUTES OF THE FIRST PLENARY MEETING	PL
56	Editorial Group of the Plenary	DRAFT RECOMMENDATION No. XXX CONVENING OF A REGIONAL RADIOCOMMUNICATION CONFERENCE TO REVIEW THE REGIONAL AGREEMENT CONCERNING THE USE BY THE BROADCASTING SERVICE OF FREQUENCIES IN THE MEDIUM FREQUENCY BANDS IN REGIONS 1 AND 3 AND IN THE LOW FREQUENCY BANDS IN REGION 1 (GENEVA, 1975)	PL
57	-	DECLARATIONS	PL
58	C5	THIRD SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING (B.3)	PL
59	C2	SUMMARY RECORD OF THE FIRST MEETING OF COMMITTEE 2 (CREDENTIALS)	C2
60	C3	SUMMARY RECORD OF THE FIRST MEETING OF COMMITTEE 3 (BUDGET CONTROL)	C3
61	C4	SUMMARY RECORD OF THE FIRST MEETING OF COMMITTEE 4 (AGENDA)	C4
62	C5	SUMMARY RECORD OF THE FIRST MEETING OF COMMITTEE 5 (EDITORIAL)	C5
63	Chairman	NOTE BY THE CHAIRMAN OF THE CONFERENCE	PL
64	C4	TEXTS FROM COMMITTEE 4 TO THE EDITORIAL COMMITTEE	C5

DOCUMENT NUMBER	ORIGIN	DOCUMENT TITLE	DESTINATION
65	C5	FIRST SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING (R.1)	PL
66	C5	SECOND SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING (R.2)	PL
67	C5	FOURTH SERIES OF TEXTS SUBMITTED BY THE EDITORIAL COMMITTEE TO THE PLENARY MEETING (B.4)	PL
68	-	ADDITIONAL DECLARATIONS	PL
69	C4	SUMMARY RECORD OF THE SECOND MEETING OF COMMITTEE 4 (AGENDA)	C4
70	PL	MINUTES OF THE SECOND PLENARY MEETING	PL
71	C4	SUMMARY RECORD OF THE THIRD MEETING OF COMMITTEE 4 (AGENDA)	C4
72	C4	SUMMARY RECORD OF THE FOURTH AND LAST MEETING OF COMMITTEE 4 (AGENDA)	C4
73	PL	MINUTES OF THE THIRD PLENARY MEETING	PL
74	C3	SUMMARY RECORD OF THE SECOND AND LAST MEETING OF COMMITTEE 3 (BUDGET CONTROL)	C3
75	C2	SUMMARY RECORD OF THE SECOND AND LAST MEETING OF COMMITTEE 2 (CREDENTIALS)	C2
76	PL	MINUTES OF THE FOURTH PLENARY MEETING	PL
77	PL	MINUTES OF THE SIXTH PLENARY MEETING	PL
78	PL	MINUTES OF THE SEVENTH AND LAST PLENARY MEETING	PL
79	PL	MINUTES OF THE FIFTH PLENARY MEETING	PL
80	SG	LIST OF PARTICIPANTS	PL
81	SG	FINAL LIST OF DOCUMENTS (DOCUMENTS 1-81)	PL