# International Telecommunication Union



Radiocommunication Bureau (Direct Fax N°. +41 22 730 57 85)

Administrative Circular CA/128 29 July 2003

#### To Administrations of Member States of the ITU and Radiocommunication Sector Members

Subject: Results of the first Conference Preparatory Meeting (CPM06-1)

#### Introduction

The World Radiocommunication Conference (Geneva, 2003) decided in its Resolutions 802 [COM7/A] and 803 [COM7/B] to recommend to the Council the draft agenda for the 2007 World Radiocommunication Conference (WRC-07) and a preliminary agenda for the 2010 World Radiocommunication Conference (WRC-10). The draft agendas are contained in Annex 1 and Annex 2 to this Circular Letter.

The Radiocommunication Assembly (RA-03), by its Resolution ITU-R 2-4 (<u>http://www.itu.int/itudoc/itu-r/publica/re/res-2003.html</u>) re-confirmed the Conference Preparatory Meeting (CPM) and WRC-03 agreed that preparatory studies for the WRC-07 are to be carried out by the CPM process.

#### The first Conference Preparatory meeting (CPM06-1)

The CPM06-1 was held in Geneva from 7 to 8 July 2003. It organized the preparatory studies for the WRC-07 and proposed a structure for its Report to the WRC-07. Furthermore, the meeting nominated seven (7) Chapter Rapporteurs who will assist the Chairman in managing the development of the draft Report to the WRC-07. With one exception, all the preparatory work, as agreed by the CPM06-1, will be performed within the framework of the foreseen work programme by the existing ITU-R Working Parties and Task Groups. However, a dedicated Joint Task Group (JTG-6-8-9) was established to deal with the complex issues related to the use of the band 2 500-2 690 MHz (Agenda Item 1.9).

As regards the preparation for the WRC-10, the CPM06-1 agreed to invite the Chairmen and Vice-Chairmen of the Study Groups to review the draft agenda and to propose the possible organization of preparatory studies.

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- Annex 3 Report on the first Conference Preparatory Meeting (CPM06-1)
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- Annex 6 CPM06 preparatory work for WRC-07
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Valery Timofeev Director, Radiocommunication Bureau

#### Distribution:

- Administrations of Member States of the ITU
- Sector Members of ITU-R
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and Special Committee on Regulatory/Procedural Matters
- Chairman and Vice-Chairmen of the Radiocommunication Advisory Group
- Chairman and Vice-Chairmen of the CPM
- Members of the Radio Regulations Board
- Secretary-General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

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## RESOLUTION 802 [COM7/A] (WRC-03)

## Agenda for the 2007 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 2003),

#### considering

*a)* that, in accordance with No. 118 of the Convention, the general scope of the agenda for a world radiocommunication conference should be established four to six years in advance and a final agenda shall be established by the Council two years before the conference;

*b)* Article 13 of the Constitution relating to the competence and scheduling of world radiocommunication conferences and Article 7 of the Convention relating to their agendas;

*c)* the relevant Resolutions and Recommendations of previous world administrative radio conferences (WARCs) and world radiocommunication conferences (WRCs),

#### recognizing

*a)* that this Conference has identified a number of urgent issues requiring further examination by WRC-07;

*b)* that, in preparing this agenda, many items proposed by administrations could not be included and have had to be deferred to future conference agendas,

#### resolves

to recommend to the Council that a world radiocommunication conference be held in 2007 for a period of four weeks, with the following agenda:

1 on the basis of proposals from administrations, taking account of the results of WRC-03 and the Report of the Conference Preparatory Meeting, and with due regard to the requirements of existing and future services in the bands under consideration, to consider and take appropriate action with respect to the following items:

1.1 requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, in accordance with Resolution **26** (**Rev.WRC-97**);

1.2 to consider allocations and regulatory issues related to the Earth exploration-satellite (passive) service, space research (passive) service and the meteorological satellite service in accordance with Resolutions 746 [COM7/8] (WRC-03) and 742 [COM5/3] (WRC-03);

1.3 in accordance with Resolution 747 [COM7/9] (WRC-03), consider upgrading the radiolocation service to primary allocation status in the bands 9 000-9 200 MHz and 9 300-9 500 MHz and extending by up to 200MHz the existing primary allocations to the Earth exploration-satellite service (active) and the space research service (active) in the band 9 500-9 800 MHz without placing undue constraint on the services to which the bands are allocated;

1.4 to consider frequency-related matters for the future development of IMT-2000 and systems beyond IMT-2000 taking into account the results of ITU-R studies in accordance with Resolution **228 (Rev.WRC-03)**;

1.5 to consider spectrum requirements and possible additional spectrum allocations for aeronautical telecommand and high bit-rate aeronautical telemetry, in accordance with Resolution 230 [COM7/5] (WRC-03);

1.6 to consider additional allocations for the aeronautical mobile (R) service in parts of the bands between 108 MHz and 6 GHz, in accordance with Resolution **414** [COM7/6] (WRC-03) and, to study current satellite frequency allocations, that will support the modernization of civil aviation telecommunication systems, taking into account Resolution **415** [COM7/7] (WRC-03);

1.7 to consider the results of ITU-R studies regarding sharing between the mobile-satellite service and the space research service (passive) in the band 1 668-1 668.4 MHz, and between the mobile-satellite service and the mobile service in the band 1 668.4-1 675 MHz in accordance with Resolution 744 [COM5/12] (WRC-03);

1.8 to consider the results of ITU-R studies on technical sharing and regulatory provisions for the application of high altitude platform stations operating in the bands 27.5-28.35 GHz and 31-31.3 GHz in response to Resolution **145** [COM5/17] (WRC-03), and for high altitude platform stations operating in the bands 47.2-47.5 GHz and 47.9-48.2 GHz in response to Resolution **122** (Rev.WRC-03);

1.9 to review the technical, operational and regulatory provisions applicable to the use of the band 2 500-2 690 MHz by space services in order to facilitate sharing with current and future terrestrial services without placing undue constraint on the services to which the band is allocated;

1.10 to review the regulatory procedures and associated technical criteria of Appendix **30B** without any action on the allotments, the existing systems or the assignments in the List of Appendix **30B**;

1.11 to review sharing criteria and regulatory provisions for protection of terrestrial services, in particular terrestrial television broadcasting services, in the band 620-790 MHz from BSS networks and systems, in accordance with Resolution 545 [COM4/5] (WRC-03);

1.12 to consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: "Coordination and notification procedures for satellite networks" in accordance with Resolution 86 [COM4/10] (WRC-03);

1.13 taking into account Resolutions 729 (WRC-97), 351 [COM4/2] (WRC-03) and 544 [COM4/11] (WRC-03), to review the allocations to all services in the HF bands between 4 MHz and 10 MHz, excluding those allocations to services in the frequency range 7 000-7 200 kHz and those bands whose allotment plans are in Appendices 25, 26 and 27 and whose channelling arrangements are in Appendix 17, taking account of the impact of new modulation techniques, adapting control techniques and the spectrum requirements for HF broadcasting;

1.14 to review the operational procedures and requirements of the Global Maritime Distress and Safety System (GMDSS) and other related provisions of the Radio Regulations, taking into account Resolutions **331 (Rev.WRC-03)** and **342 (Rev.WRC-2000)** and the continued transition to the GMDSS, the experience since its introduction, and the needs of all classes of ships;

1.15 to consider a secondary allocation to the amateur service in the frequency band 135.7-137.8 kHz;

1.16 to consider the regulatory and operational provisions for Maritime Mobile Service Identities (MMSIs) for equipment other than shipborne mobile equipment, taking into account Resolutions **344 (Rev.WRC-03)** and **353 [COM4/4] (WRC-03)**;

1.17 to consider the results of ITU-R studies on compatibility between the fixed-satellite service and other services around 1.4 GHz, in accordance with Resolution **745** [COM5/14] (WRC-03);

1.18 to review pfd limits in the band 17.7-19.7 GHz for satellite systems using highly inclined orbits, in accordance with Resolution **141** [COM4/23] (WRC-03);

1.19 to consider the results of the ITU-R studies regarding spectrum requirement for global broadband satellite systems in order to identify possible global harmonized FSS frequency bands for the use of Internet applications, and consider the appropriate regulatory/technical provisions, taking also into account No. **5.BC03** of the Radio Regulations;

1.20 to consider the results of studies, and proposals for regulatory measures, if appropriate, regarding the protection of the Earth exploration-satellite service (passive) from unwanted emissions of active services in accordance with Resolution **738** [COM4/14] (WRC-03);

1.21 to consider the results of studies, regarding the compatibility between the radio astronomy service and the active space services in accordance with Resolution 740 [COM4/17] (WRC-03), in order to review and update, if appropriate, the tables of threshold levels used for consultation that appear in the Annex to Resolution 739 [COM4/15] (WRC-03);

2 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution **28** (**Rev.WRC-03**), and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex to Resolution **27** (**Rev.WRC-03**);

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

4 in accordance with Resolution **95 (Rev.WRC-03)**, to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation;

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

6 to identify those items requiring urgent action by the Radiocommunication Study Groups in preparation for the next world radiocommunication conference;

- 7 in accordance with Article 7 of the Convention:
- 7.1 to consider and approve the Report of the Director of the Radiocommunication Bureau:
- on the activities of the Radiocommunication Sector since WRC-03;
- on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and
- on action in response to Resolution **80 (Rev.WRC-2000)**;

7.2 to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, taking into account Resolution **803** [COM7/B] (WRC-03),

#### further resolves

to activate the Conference Preparatory Meeting and the Special Committee on Regulatory/Procedural Matters,

#### invites the Council

to finalize the agenda and arrange for the convening of WRC-07, and to initiate as soon as possible the necessary consultations with Member States,

#### 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-07,

#### instructs the Secretary-General

to communicate this Resolution to international and regional organizations concerned.

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## RESOLUTION 803 [COM7/B] (WRC-03)

## Preliminary agenda for the 2010 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 2003),

#### considering

*a)* that, in accordance with No. 118 of the ITU Convention, the general scope of the agenda for WRC-10 should be established four to six years in advance;

*b)* Article 13 of the Constitution relating to the competence and scheduling of world radiocommunication conferences and Article 7 of the ITU Convention relating to their agendas;

*c)* the relevant Resolutions and Recommendations of previous world administrative radio conferences (WARCs) and world radiocommunication conferences (WRCs),

#### resolves to give the view

that the following items should be included in the preliminary agenda for WRC-10:

1 to take appropriate action in respect of those urgent issues that were specifically requested by WRC-07;

2 on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-07, to consider and take appropriate action in respect of the following items:

2.1 requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution **26** (Rev.WRC-97);

2.2 to consider frequency allocations between 275 GHz and 3 000 GHz taking into account the result of ITU-R studies in accordance with Resolution **950** [COM7/1] (WRC-03);

2.3 to consider results of ITU-R studies in accordance with Resolution **222 (WRC-2000)** to ensure spectrum availability and protection for the aeronautical mobile-satellite (R) service, and to take appropriate action on this subject, while retaining the generic allocation for the mobile-satellite service.

2.4 to consider allocations to the mobile service in the band 806-862 MHz in Region 1, following the transition of analogue to digital TV;

2.5 to consider the results of studies related to Resolution **136** (**Rev.WRC-03**) dealing with sharing between non-GSO and GSO systems;

2.6 to consider the need to modify the provisional protection ratio values in the Annex to Resolution **543** [COM4/1] (WRC-03), taking into account the experience of the coordination of seasonal scheduling of the HF bands allocated to the broadcasting service and relevant studies conducted by ITU-R since WRC-03;

2.7 to consider the progress of ITU-R studies concerning the technical and regulatory issues relative to the fixed service in the 81-86 and 92-100 GHz frequency bands, taking into account Resolutions **731 (WRC-2000)** and **732 (WRC-2000)**;

2.8 to consider the progress of the ITU-R studies concerning the development and regulatory requirements of terrestrial wireless interactive multimedia applications, in accordance with Recommendation **951** [COM7/2] (WRC-03) and to take any appropriate action on this subject;

3 to consider the results of the studies related to the following, with a view to considering them for inclusion in the agendas of future conferences:

3.1 to review the use of the band 5 091-5 150 MHz by the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-GSO mobile-satellite service) in accordance with Resolution **114 (Rev.WRC-03)**;

4 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution **28** (**Rev.WRC-03**), and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in Annex 1 to Resolution **27** (**Rev.WRC-03**);

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

6 in accordance with Resolution **95 (Rev.WRC-03)**, to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation;

7 to review, and take appropriate action on, the Report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention;

8 to identify those items requiring urgent action by the Radiocommunication Study Groups;

9 in accordance with Article 7 of the Convention:

9.1 to consider and approve the Report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since WRC-07;

9.2 to recommend to the Council items for inclusion in the agenda for the following world radiocommunication conference,

#### invites the Council

to consider the views given in this Resolution,

#### instructs the Director of the Radiocommunication Bureau

to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting and to prepare a report to WRC-10,

#### instructs the Secretary-General

to communicate this Resolution to international and regional organizations concerned.

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## **Report on the first Conference Preparatory Meeting**

The first Conference Preparatory Meeting (CPM06-1) was held in Geneva from 7 to 8 July 2003, to organize and coordinate conference preparatory studies for WRC-07

151 participants from 46 Member States and 19 Sector Members attended the meeting.

Following thorough consideration of 13 contributions to the CPM06-1, the Structure and Working Procedures were agreed (Annex 4) together with Table of Content and Chapter structure (Annex 5). Furthermore, the guidelines on possible improvements to the CPM process, pursuant to the decisions of the WRC-03 were taken into account (Annex 6).

The meeting appointed a Rapporteur for each Chapter to assist the Chairman in managing the flow of contributions and the development of draft CPM Report. However, on a purely exceptional basis, and without setting a precedence for future CPM, two Rapporteurs (co-Rapporteurs) for Chapter 1 were appointed. The designation of Chapter Rapporteurs was understood as not necessarily implying that these Rapporteurs become automatically the office bearers of various committees at CPM06-2.

A page limit was decided for contributions as well as for each agenda item (10-12 pages, as an average). This limit shall be observed by each Chapter Rapporteur in order to limit the draft CPM text to 200-210 pages and to limit the total number of pages for CPM Report to 250-300 pages, including 50-60 pages for Special Committee. The Chairmen of ITU-R Study Groups and Working Parties involved as well as the Chairman of Joint Task Group (JTG -6-8-9) are kindly requested to take into account the above-mentioned limit when preparing their inputs to the corresponding Chapter Rapporteurs. The Chapter Rapporteurs also need to strictly observe that limit in the preparation of their contributions to the draft CPM Report.

Due to the need for prudent resource use and timely distribution of the draft CPM Report, the responsible Groups are invited to provide their contributions in a concise form and following the Chapter structure as contained in Annexes 7 and 8 by [DD][MM][YY]. The exact date will be communicated to the membership as well as to the ITU-R SG and WP Chairmen and Chapter Rapporteurs at later stage (as soon as the exact time of the WRC-07 is decided by the ITU Council at its future meetings).

Once the above-mentioned date is determined, a meeting of the responsible Group's Chairmen, CPM Chairman /Vice-Chairmen and Chapter Rapporteurs will be hold at an appropriate time in order to consolidate the inputs to the draft CPM Report.

After a lengthy discussion on the necessity or otherwise to hold an information session(s) at the beginning of CPM06-2, it was decided not to hold such an information meeting. However, in order to assist administrations to properly pursue the matter, an executive summary will be prepared by the responsible Study Group or Working Party for each agenda item.

It was also decided that the number of proposed options to satisfy each agenda item to be kept to the absolute minimum associated with necessary description in a clear and concise manner in order to assist administrations to opt for any option, as appropriate.

Due to the prevailing circumstances, it was not possible to discuss and decide on a deadline for the submission of draft CPM Report nor it was possible to propose a date for the CPM06-2. It is obvious that the above-mentioned information will be communicated to the membership as soon as they are determined and/or decided upon.

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## Structure and working procedures

#### 1 Chapter structure

1 WRC Agenda Item [X.xx]

2 Summary of technical and operational studies, including a list of relevant ITU-R Recommendations.

3 Analysis of the results of studies relating to the possible methods of satisfying the agenda item.

4 Regulatory and procedural considerations.

#### 2 Chapter Rapporteurs

- 1 To ensure that the consistency of the format and structure of the text are observed.
- 2 To ensure the integration of most recent texts of Working Parties and Task Groups.

#### **3** Working procedures

1 A single responsible group (WP, TG) is identified for each agenda item.

2 The *responsible* group is to prepare a draft element of the CPM Report, addressing the specific agenda item for which it has main responsibility. The group should also ensure that necessary coordination with other *concerned* group is carried out.

3 The concerned groups may contribute to the work of the responsible group for a given item, by participation of its members in the meetings of the responsible group and/or by liaison statements, as appropriate.

4 The output of the responsible group shall be submitted (through the Chapter Rapporteur) to the CPM in accordance with § 2.4 of the Annex 1 of Resolution ITU-R 2-4.

5 A consolidated draft Report shall be prepared by the CPM Steering Committee assisted, as appropriate, by the Chairmen of Study Groups, Working Parties and Task Groups, for submission to Member States and Sector Members in time for the second meeting of the CPM.

NOTE 1 - The **concerned** group may be either a contributing group on a specific item, or an interested group that will follow the work on a specific issue and act as appropriate.

NOTE 2 - The Chairmen, Vice-Chairmen, the Chapter Rapporteurs and the CPM Secretary will be called the CPM Steering Committee.

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## Table of contents of the CPM06 Report

The discussions on the studies to be undertaken by the ITU-R Study Groups as well as work to be performed by the Radiocommunication Bureau, pursuant to the proposed agenda items for WRC-07 and in relation to various Resolutions and Recommendations adopted by WRC-03, need, in all cases, to take into account the human and financial resource impact on the Union.

CHAPTER 1	Mobile, aeronautical mobile, radionavigation, and radiolocation services
Agenda Items:	1.3, 1.4, 1.5, 1.6
Rapporteurs:	Mrs. Darlene Drazenovich (United States) for Agenda Items 1.3 and 1.4 Mr. Alan Jamieson (New Zealand) for Agenda Items 1.5 and 1.6
CHAPTER 2	Space science services
Agenda Items:	1.2, 1.20, 1.21
Rapporteur:	Mrs. Shayla Taylor (United States)
CHAPTER 3	Fixed-satellite, mobile satellite and broadcasting-satellite services below 3 GHz
Agenda Items:	1.7, 1.9*, 1.11, 1.17
Rapporteur:	Mr. Nasser Bin Hammad (United Arab Emirates)
CHAPTER 4	Fixed service including HAPS and fixed-satellite service above 3 GHz
Agenda Items:	1.8, 1.18, 1.19
Rapporteur:	Mr. Akira Hashimoto (Japan)
CHAPTER 5	Services in LF, MF and HF bands and maritime mobile service
Agenda Items:	1.13, 1.14, 1.15, 1.16
Rapporteur	Mr. Pekka Länsman (Finland)

<sup>\*</sup> **JTG 6-8-9** under the Chairmanship of Mr. Marc Dupuis (Canada) was established to deal with this Agenda Item

CHAPTER 6	Regulatory procedures and associated technical criteria applicable to satellite networks
Agenda Items:	1.10, 1.12, 7.1 (Resolution 80 (Rev.WRC-2000), and inconsistencies and difficulties encountered in the application of the RR)
Rapporteur:	Mr. Gilles Taillefer (France)
CHAPTER 7	Future WRC programmes and other issues
Agenda Items:	2, 4, 5, 6, 7.1 (status of the ITU-R studies)**, 7.2
Rapporteur:	Mr. Albert Nalbandian (Armenia)

- 3) Definition of HDFSS.
- 4) Definition of HEO.

The Director of the BR is invited to include the status of these studies in his Report to WRC-07 for information and to the CPM, to the extent they are available.

<sup>\*\*</sup> The following items were identified as items requiring urgent studies by the ITU-R Study Groups:

<sup>1)</sup> Consideration of the technical parameters for the possible planning of the broadcasting-satellite service in the band 21.4-22 GHz in Regions 1 and 3 (see Resolution 507 (WARC-79)).

<sup>2)</sup> Technical aspects of use of terrestrial optical free-space telecommunications (see Resolution 118 (Marrakesh, 2002)).

## **CPM06 preparatory work for WRC-07**

The discussions on the studies to be undertaken by the ITU-R Study Groups as well as work to be *performed by the Radiocommunication Bureau, pursuant to the proposed Agenda Items for the WRC-07 and in relation to various Resolutions and Recommendations adopted by the WRC-03, need, in all cases, to take into account the human and financial resource impact on the Union.* 

In response to the request to provide guidance to the CPM on possible improvements to the process, pursuant to the decisions of the WRC-03, the following items were identified and agreed upon by the CPM06-1.

- 1) WRC-03 activated the CPM to initiate preparation for the WRC-07. The preparatory process shall be in conformity with Resolution ITU-R 2-4.
- 2) In accordance with Resolution ITU-R 38-3, the WRC-03 resolved to activate the Special Committee (SC) in the preparatory process for the WRC-07, taking special account of the changes made to the Resolution during the RA-03. These changes entail that the CPM06-1 should distribute its tasks to the SC.

Noting the financial position of the Union, the SC should work in accordance with the working methods and procedures of a Study Group, in order to save costs, which means that only for a small number of meetings interpretation is necessary. To this effect, it is suggested that a Working Party of the SC meets on two occasions, once in the period September to December 2004, and once in the period September to December 2005, and that the SC itself meets for 2-3-days towards the end of 2005, or the beginning of 2006, as appropriate.

- 3) WRC-03 expressed its wish for preparatory studies to be undertaken within the existing structure of the Study Groups (i.e. using existing Working Parties and Task Groups) and that Joint Groups (e.g. JTG) be avoided as far as possible. Tasks should be assigned to a group having the overall responsibility.
- 4) WRC-03 advised the CPM06-1 that, as far as practicable, the schedule of Study Group, Working Party and Task Group meetings dealing with Items on the Agenda of the WRC-07 should be arranged to avoid or minimize overlapping meetings so as to facilitate the participation of all delegations to the maximum extent possible.
- 5) WRC-03 advised that no further results of studies from the Study Groups should be submitted to WRC-07 after the second meeting of the CPM (CPM06-2).
- 6) WRC-03 considered that the duration of the CPM06-2 shall be two weeks. However, the information session, if required, should be more instructive. The CPM06-1, in discussing the latter issue, felt that it would be more beneficial that for each topic or subject matter an executive summary be provided in order to assist the reader to properly understand the case.

It was therefore concluded not to pursue the organization of an information session at CPM06-2.

However, in order to assist administrations, in particular those of developing countries, regional seminars need to be organized, as appropriate, pursuant to Resolution 80 (Marrakesh, 2002).

- 7) Document transmission to the CPM06-2 should not be limited in scope. However, in order for the documents to be available for the opening of the meeting in the working languages of the Union, every effort should be made to submit them well beforehand and not later than 2 weeks before the starting day of the CPM meeting, and their length to be limited to a maximum of 10 to 12 pages. In exceptional cases, the number of pages may be increased to 15 pages for a limited number of documents (2 or 3 documents) per administration. However, additional pages may be included in an Annex in the original language (without being translated by the ITU or translated by the author of the document).
- 8) To this effect, the total number of pages foreseen for draft CPM text should not exceed 200-210 pages (10 pages per agenda item as an average) and the total number of pages foreseen for CPM Report should not to exceed 250-300 pages, including the contribution from the SC.

The Chapter Rapporteurs, the Chairmen of the ITU-R Study Groups and their Working Parties including JTG 6-8-9, are kindly invited to observe the above mentioned page limit when preparing their contribution to the draft CPM texts and the CPM Report.

- 9) The number of options in the CPM Report should be limited to the minimum necessary.
- 10) The number of liaison statements should be limited to the minimum necessary and Chairmen of Study Groups or Working Parties as well as the Counsellor concerned should take follow-up action, as appropriate. It is highly desirable that these liaison statements are introduced at the meeting to which they are addressed by the representative(s) of the Study Group or Working Party of origin.
- 11) The multiple assignment of a given topic to be avoided (primary responsibility, secondary responsibility).

## ANNEX 7

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## Outline of the CPM06 Report to the WRC-07

Nr.	Abbreviated Agenda Item	References/Resolutions	Agenda Item		
	<b>CHAPTER 1</b> MOBILE, AERONAUTICAL MOBILE, RADIONAVIGATION, AND RADIOLOCATION SERVICES				
1.1	Upgrading radiolocation service to primary and extending existing allocation to EESS and SRS in the 9 000 MHz band	Res. 747 [COM7/9] (WRC-03)	1.3		
1.2	Frequency related matters related to IMT-2000 and systems beyond IMT-2000	Res. 228 (Rev.WRC-03)	1.4		
1.3	Possible additional spectrum allocations for Aeronautical telecommand and high bit-rate for Aeronautical telemetry	Res. 230 [COM7/5] (WRC-03)	1.5		
1.4	Aeronautical Mobile(R) service in the bands 108 MHz and 6 GHz and possible modernization of the civil aviation systems	Res. 414 [COM7/6] (WRC-03)	1.6		
		Res. 415 [COM7/7] (WRC-03)			

	CHAPTER 2 SPACE SCIENCE SERVICES		
2.1	Allocations and regulatory issues related to the EESS (passive), space research (passive) and MetSat service	Res. 746 [COM7/8] (WRC-03) Res. 742 [COM5/3] (WRC-03)	1.2
2.2	Protection of the EESS (passive) from unwanted (UW) emissions of active services	Res. 738 [COM4/14] (WRC-03)	1.20
2.3	Compatibility between the radio astronomy service and active space services	Res. 740 [COM4/17] (WRC-03) Res. 739 [COM4/15] (WRC-03)	1.21

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	<b>CHAPTER 3</b> FIXED-SATELLITE, MOBILE SATELLITE AND BROADCAS BELOW 3 GHz	STING-SATELLITE SERVICE	S
3.1	Sharing between the MSS and space research service (passive) in the band 1 668-1 668.4 MHz and between MSS and the mobile service in the band 1 668.4-1 675 MHz	Res. 744 [COM5/12] (WRC-03)	1.7
3.2	The use of the band 2 500-2 690 MHz by space services - Sharing with current and future terrestrial services		1.9
3.3	Protection of terrestrial services in particular terrestrial television BS in the band 620-790 MHZ from BSS networks	Res. 545 [COM4/5] (WRC-03)	1.11
3.4	Compatibility between FSS and other services around 1.4 GHz	Res. 745 [COM5/14] (WRC-03)	1.17

	<b>CHAPTER 4</b> FIXED SERVICE INCLUDING HAPS AND FIXED-SATELL	ITE SERVICE ABOVE 3 GHz	
4.1	Application of HAPS in the band 27.5-28.35 GHz and 31-31.1 GHz and in the band 47.2-47.5 GHz and 47.9-48.2 GHz	Res. 145 [COM5/17] (WRC-03) Res. 122 (Rev.WRC-03)	1.8
4.2	Pfd limits in the band 17.7-19.7 GHz for satellite systems using highly inclined orbits	Res. 141 [COM4/23] (WRC-03)	1.18
4.3	Global harmonized FSS bands for the use of Internet applications taking account of No. <b>5.BC03</b>		1.19

CHAPTER 5	5
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#### SERVICES IN LF, MF AND HF BANDS AND MARITIME MOBILE SERVICE

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C-97)
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#### **CHAPTER 6** REGULATORY PROCEDURES AND ASSOCIATED TECHNICAL CRITERIA APPLICABLE TO SATELLITE NETWORKS 1.10 6.1 Appendix **30B** - without any action on the allotments, the existing systems or the assignments as in List of Appendix 30B Res. 86 [COM4/10] 1.12 6.2 Possible changes in response to Resolution 86 (WRC-03) (Rev. Marrakesh) Res. 80 (Rev.WRC-2000) 7.1 6.4 Director's Report

	CHAPTER 7 FUTURE WRC WORK PROGRAMMES AND OTHER ISSUES			
7.1	Incorporation by Reference		2	
7.2	Resolutions/Recommendations of the previous conferences	Res. 95 (Rev.WRC-03)	4	
7.3	Report by the Radiocommunication Assembly		5	
7.4	Items requiring urgent action		6	
7.5	Status of the ITU-studies		7.1	
7.6	Items for the inclusion in the agenda for the WRC-10		7.2	

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- 19 -

## Allocation of ITU-R preparatory work for the WRC-07

Торіс	Responsible SG/WP *	Action to be taken by the ITU-R Study Group	<b>Contributing</b> / interested SG/WP
1.1 requests from administrations to delete the Resolution <b>26 (Rev.WRC-97)</b> ;	ir country footn	otes or to have their country name deleted from footnotes, if no longer required, in accorda	ince with
Resolution 26 (Rev.WRC-97)		Not in the scope of the CPM	
Footnotes to the Table of Frequency Allocations in Article <b>5</b> of the Radio Regulations			
1.2 to consider allocations and regulatory issue service in accordance with Resolutions <b>746</b> [COM7.		Earth exploration-satellite (passive) service, space research (passive) service and the meter and 742 [COM5/3] (WRC-03);	orological satellite
Resolution 746 [COM7/8] (WRC-03)		resolves	
Issues dealing with allocations to science services	78	1 to invite ITU-R to conduct sharing analyses between geostationary meteorological satellites operating in the space-to-Earth direction and the fixed, fixed- satellite and mobile services in the band 18-18.4 GHz to define appropriate sharing criteria with a view to extending the current 18.1-18.3 GHz geostationary meteorological satellites allocation in the space-to-Earth direction to 300 MHz of contiguous spectrum;	<b>4A, 9D</b> 8A
	7C	2 to invite ITU-R to conduct sharing analyses between the EESS (passive) and the SRS (passive) on one hand and the fixed and mobile services on the other hand in the band 10.6-10.68 GHz to determine appropriate sharing criteria;	<b>9D</b> 8A
		invites ITU-R	
		to complete the necessary studies, as a matter of urgency, taking into account the present use of allocated bands, with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of the Conference,	

All appropriate regulatory/procedural studies on relevant agenda items will be carried out by the Special Committee on Regulatory/Procedural matters (SC) on the basis of proposals from membership of the ITU and the relevant ITU-R Study Groups. Y:\APP\PDF\_SERVER\BR\IN\CA128V2E.DOC

 Resolution 742 [COM5/3] (WRC-03)
 resolves

 Use of the frequency band 36-37 GHz
 7C

 1
 to invite ITU-R to conduct sharing studies between the passive services and 8A, 9D

sharing criteria;

Regulations,

2

the fixed and mobile services in the band 36-37 GHz in order to define appropriate

studies and consider the possible inclusion of the sharing criteria within the Radio

to recommend that a future competent conference review the results of the

9B

		<ul> <li><i>invites administrations</i></li> <li>to provide ITU-R with characteristics of active systems (fixed and mobile services) operating in the band 36-37 GHz;</li> <li>to take into account that EESS (passive) systems may experience harmful interference if the band 36-37 GHz becomes heavily used by stations in the fixed or</li> </ul>	
	Hz the existing	mobile-service prior to the establishment of the sharing criteria. , consider upgrading the radiolocation service to primary allocation status in the bands 9 00 g primary allocations to the Earth exploration-satellite service (active) and the space research	
Resolution 747 [COM7/9] (WRC-03)	8B	resolves to invite ITU-R	<b>7</b> C
Possible upgrade of the radiolocation service to primary allocation status in the frequency bands 9 000-9 200 MHz and 9 300-9 500 MHz, and possible extension of the existing primary allocations to the Earth exploration-satellite service (active) and the space research service (active) in the band 9 500-9 800 MHz		<ul> <li>to continue to study, as a matter of urgency, the technical characteristics, protection criteria, and other factors of radiolocation and radionavigation systems that ensure compatible operations in the bands 9 000-9 200 MHz and 9 300-9 500 MHz;</li> <li>to continue to study, as a matter of urgency, the technical characteristics, protection criteria, and other factors of radiolocation, radionavigation, EESS (active) and space research (active) systems that ensure compatible operations in the band 9 300-9 500 MHz;</li> <li>as a matter of urgency, with due regard to services to which these bands are allocated:</li> </ul>	3М

	<ul> <li>to study the compatibility between radars of the radiolocation and radionavigation services in the bands 9 000-9 200 MHz and 9 300- 9 500 MHz through testing and measurements;</li> </ul>
	<ul> <li>to continue to study and conduct test measurements to determine the protection criteria for radionavigation and radiolocation systems in the bands 9 000-9 200 MHz and 9 300-9 500 MHz;</li> </ul>
	<ul> <li>to study the compatibility between terrestrial radars of the radiolocation and radionavigation services, and spaceborne radars of the Earth exploration- satellite and space research services in the band 9 300-9 500 MHz;</li> </ul>
	4 in the event that sharing studies in the 9 300-9 500 MHz band lead to unsatisfactory conclusions which do not fully satisfy the requirement for an increase by 200 MHz of contiguous spectrum for EESS (active) and space research (active) services, to carry out additional sharing studies in the alternative frequency range 9 800-10 000 MHz;
	5 to include the results of the above studies in one or more Recommendation,
1.4 to consider frequency-related matters for the fu	ture development of IMT-2000 and systems beyond IMT-2000 taking into account the results of ITU-R studies in

accordance with Resolution 228 (Rev.WRC-03);

Resolution 228 (Rev.WRC-03)	<b>8</b> F	resolves	6E, 8A, 8B, 8D
Studies on frequency-related matters for the future development of IMT-2000 and systems beyond IMT-2000 as defined by ITU-R		<ol> <li>to invite ITU-R to further study technical and operational issues relating to the future development of IMT-2000 and systems beyond IMT-2000, and develop Recommendations as required;</li> <li>to invite ITU-R to report, in time for [WRC-07], on the results of studies on the spectrum requirements and potential frequency ranges suitable for the future development of IMT-2000 and systems beyond IMT-2000, taking into account:         <ul> <li>the evolving user needs, including the growth in demand for IMT-2000 services;</li> <li>the evolution of IMT-2000 and pre-IMT-2000 systems through advances in technology;</li> </ul> </li> </ol>	3K, 4A, 6S, SG 7, 9D PPT*

<sup>\*</sup> Planning Project Team (see Council Resolution 1185 (Rev.2003)). Y:\APP\PDF\_SERVER\BR\IN\CA128V2E.DOC

10.10.03

<ul> <li>the bands currently identified for IMT-2000;</li> </ul>
<ul> <li>the time-frame in which spectrum would be needed;</li> </ul>
<ul> <li>the period for migration from existing to future systems;</li> </ul>
<ul> <li>the extensive use of frequencies below those identified for IMT-2000 in No. 5.317A;</li> </ul>
3 to invite ITU-R to conduct regulatory and technical studies on the usage of frequencies below those identified for IMT-2000 in No. <b>5.317A</b> for the future development of IMT-2000 and systems beyond IMT-2000, notably assessing their advantages and disadvantages, taking into account <i>recognizing e</i> ) and <i>j</i> ) above;
4 that the studies referred to in <i>resolves</i> 1 and 2 should take into consideration the particular needs of developing countries including use of the satellite component of IMT-2000 for suitable coverage of these countries;
5 that the studies referred to in <i>resolves</i> 1, 2 and 3 should include sharing and compatibility studies with services already having allocations in potential spectrum for the future development of IMT-2000 and systems beyond IMT-2000 taking into account the needs of other services;
6 that WRC-07 should consider frequency-related matters for the future development of IMT-2000 and systems beyond IMT-2000, taking due account of the results of ITU-R studies, in accordance with this Resolution,

1.5 to consider spectrum requirements and possible additional spectrum allocations for aeronautical telecommand and high bit-rate aeronautical telemetric with Resolution 230 [COM7/5] (WRC-03);

Resolution 230 [COM7/5] (WRC-03)	8B	resolves	<b>8</b> A
Consideration of mobile allocations for use by wideband aeronautical telemetry and associated telecommand		<ul> <li>that WRC-07 be invited to:</li> <li>1 consider the spectrum required to satisfy justified wideband aeronautical mobile telemetry requirements and associated telecommand above 3 GHz;</li> <li>2 review, with a view to upgrading to primary, secondary allocations to the mobile service in the frequency range 3-16 GHz for the implementation of wideband aeronautical telemetry and associated telecommand;</li> </ul>	3M, 4A, 6S, SG 7, 9D

[COM7/6] (WRC-03) and, to study current satellite		<ul> <li>3 consider possible additional allocations to the mobile service, including aeronautical mobile, on a primary basis in the frequency range 3-16 GHz for the implementation of wideband aeronautical telemetry and associated telecommand, taking into account <i>considering d</i>) above;</li> <li>4 designate existing mobile allocations between 16 and 30 GHz for wideband aeronautical telemetry and associated telecommand, <i>invites ITU-R</i></li> <li>to conduct, as a matter of urgency, studies to facilitate sharing between aeronautical mobile telemetry and the associated telecommand, on the one hand, and existing services, on the other hand, taking into account the <i>resolves</i> above.</li> </ul>	
Resolution 415 [COM7/7] (WRC-03);           Resolution 414 [COM7/6] (WRC-03)	8B	resolves	6E
Consideration of the frequency range between 108 MHz and 6 GHz for new aeronautical applications		that WRC-07 considers additional allocations for the aeronautical mobile (R) service in parts of the bands between 108 MHz and 6 GHz, taking into account <i>considering c</i> ) to $g$ ) above,	4A, 6S, SG 7, 9D
		further resolves to invite ITU-R	
		1 to investigate, as a first step, the bands currently available for use by aeronautical systems in the frequency range between 108 MHz and 6 GHz in order to determine whether additional allocations to the aeronautical mobile (R) service are required and can be accommodated in these bands without placing undue constraints to services to which the frequency bands are currently allocated;	
		2 to further investigate, in case the first step above would not lead to satisfactory results, also the frequency bands currently not available for use by aeronautical systems, subject to not constraining the existing and planned use of such bands, taking account of existing use and future requirements in these bands;	
	]	3 to investigate how to accommodate the requirements for aeronautical systems in the band 5 091-5 150 MHz,	

Resolution 415 [COM7/7] (WRC-03)	8D	resolves to invite WRC-07	SG 6, 8A, 8B
Study of current satellite frequency allocations that will support the modernization of civil aviation telecommunication systems		1 to examine the possibility of broadening the services and applications of the use of current satellite frequency allocations in order to allow the expansion of ICAO CNS/ATM systems that can also support other non-aeronautical telecommunication services;	
		2 to take appropriate actions, based on the results of the examination specified under <i>resolves</i> 1,	
		invites ITU-R	
		1 to study, as a matter of urgency, the current satellite frequency allocations that could meet aeronautical requirements to support the modernization of civil aviation telecommunication systems, especially those in developing countries, and to study in particular those radio frequencies that could be used to support both ICAO CNS/ATM systems and other non-aeronautical telecommunication services,	
		between the mobile-satellite service and the space research service (passive) in the band 1 6	
MHz, and between the mobile-satellite service and the	e mobile servi	ce in the band 1 668.4-1 675 MHz in accordance with Resolution 744 [COM5/12] (WRC-0.	3);
MHz, and between the mobile-satellite service and the Resolution <b>744</b> [COM5/12] (WRC-03) Sharing between the mobile-satellite service (Earth-to-space) and the space research (passive) service in the band 1 668-1 668.4 MHz and	e mobile servi	ce in the band 1 668.4-1 675 MHz in accordance with Resolution 744 [COM5/12] (WRC-0. <i>resolves</i> that in the band 1 670-1 675 MHz, stations in the MSS shall not claim protection from fixed and mobile stations operating within the United States,	3); 7C
MHz, and between the mobile-satellite service and the Resolution <b>744</b> [COM5/12] (WRC-03) Sharing between the mobile-satellite service (Earth-to-space) and the space research (passive) service in the band 1 668-1 668.4 MHz and between the mobile-satellite service (Earth-to- space) and the fixed and mobile services in the	e mobile servi	<ul> <li>ce in the band 1 668.4-1 675 MHz in accordance with Resolution 744 [COM5/12] (WRC-0.</li> <li><i>resolves</i></li> <li>that in the band 1 670-1 675 MHz, stations in the MSS shall not claim protection from fixed and mobile stations operating within the United States,</li> <li><i>invites ITU-R</i></li> <li>to complete, as a matter of urgency and in time for WRC-07, studies relating to provisions to protect space research (passive) space stations from harmful interference from mobile earth stations in the band 1 668-1 668.4 MHz, taking care to</li> </ul>	3); 7C

1.8 to consider the results of ITU-R studies on technical sharing and regulatory provisions for the application of high altitude platform stations operating in the bands
27.5-28.35 GHz and 31-31.3 GHz in response to Resolution 145 [COM5/17] (WRC-03), and for high altitude platform stations operating in the bands 47.2-47.5 GHz and
47.9-48.2 GHz in response to Resolution 122 (Rev.WRC-03);

Resolution 122 (Rev.WRC-03)	<b>4-9S</b>	resolves	9B, 9D
Resolution 122 (Rev.WRC-03) Use of the bands 47.2-47.5 GHz and 47.9- 48.2 GHz by high altitude platform stations (HAPS) in the fixed service and by other services	4-9S	<ul> <li>to encourage administrations to facilitate coordination between systems in the fixed service using HAPS operating in the bands 47.2-47.5 GHz and 47.9-48.2 GHz and systems of the co-primary satellite services in the same bands;</li> <li>that, on a provisional basis, the procedures of Article 9 shall be used for coordination between satellite systems and systems using HAPS in the bands 47.2-47.5 GHz and 47.9-48.2 GHz</li> <li>to invite WRC-07 to review, for the bands 47.2-47.5 GHz and 47.9-48.2 GHz, the results of the studies specified in <i>invites ITU-R</i> below and consider refinement of the regulatory provisions applicable to HAPS stations in the fixed service in these bands,</li> <li><i>invites ITU-R</i></li> <li>to study, as a matter of urgency, power limitations applicable for HAPS ground stations to facilitate sharing with space station receivers;</li> <li>to study the regulatory provisions that might be needed in order to address those cases where the deployment of HAPS in the territory of one administration may affect other administrations;</li> <li>to continue to carry out studies in a most efficient and harmonized manner on</li> </ul>	9B, 9D 4A
		3 to continue to carry out studies in a most efficient and harmonized manner on the appropriate technical sharing criteria for the situations referred to in <i>considering k</i> ) and <i>m</i> ), taking into account the operational environments and the requirements of systems in the FSS,	

#### resolves Resolution 145 [COM5/17] (WRC-03) 7C, 7D, 9B, 9D Potential use of the bands 27 5-28 35 GHz and 31-4Ato invite the next WRC to review the results of the studies specified below 31.3 GHz by high altitude platform stations and consider appropriate refinement of the regulatory provisions for the use of HAPS (HAPS) in the fixed service within the bands 27.5-28.35 GHz and 31-31.3 GHz: that, notwithstanding No. 4.15A, in Region 2 the use of HAPS within the 2 fixed-service allocations within the 27.5-28.35 GHz and 31-31.3 GHz bands shall be limited, pending the completion of the studies specified in *requests ITU-R* 1 below, to 300 MHz in each band, that such use shall not cause harmful interference to, nor claim protection from, other stations of services operating in accordance with the Table of Frequency Allocations of Article 5, and, further, that the development of these other services shall proceed without constraints by HAPS operating pursuant to this resolution; that, pursuant to resolves 2 above, any use by HAPS of the fixed-service 3 allocation at 27.5-28.35 GHz shall be limited to operation in the HAPS-to-ground direction, and that any use by HAPS of the fixed-service allocation at 31-31.3 GHz shall be limited to operation in the ground-to-HAPS direction; 4 that, on a provisional basis, the administrations listed in Nos. 5.537A and 5.543A and those administrations in Region 2 which intend to implement systems using HAPS in the fixed service in the bands 27.5-28.35 GHz and 31-31.3 GHz shall seek explicit agreement of concerned administrations with regard to their primary services to ensure that the conditions in Nos. 5.537A, 5.543A, resolves 2 and resolves 5 are met: that systems using HAPS in the band 31-31.3 GHz shall not cause harmful 5 interference to the radio astronomy service having a primary allocation in the band 31.3-31.8 GHz, taking into account the protection criterion given in Recommendation ITU-R RA.769. In order to ensure the protection of satellite passive services, the level of unwanted power density into the HAPS ground station antenna in the band 31.3-31.8 GHz shall be limited to -106 dB(W/MHz) under clear-sky conditions and may be increased up to -100 dB(W/MHz) under rainy conditions to take account of rain attenuation, provided that effective impact on the passive satellite does not exceed the impact under clear-sky conditions as given above,

r		
	invites ITU-R	
	1 to continue to conduct studies, as a matter of urgency, and taking into account the requirements of other fixed-service systems and other services, on the feasibility of identifying a suitable and preferably a common 300 MHz segment of the band 27.5-28.35 GHz paired with the 300 MHz band at 31-31.3 GHz, for use by HAPS in the countries listed in Nos. <b>5.537A</b> and <b>5.543A</b> or countries in Region 2 planning provisional operation;	
	2 to develop, one or more ITU-R Recommendations, technical sharing criteria or HAPS system design conditions that are necessary to ensure that HAPS applications in the fixed service operate successfully on a non-harmful interference, non-protected basis in the bands 27.5-28.35 GHz and 31-31.3 GHz;	
	3 to complete studies on the interference criteria and methodology for evaluating interference from the downlink (HAPS-to-ground direction) of systems using HAPS to the uplink of the GSO satellite networks in the FSS within the band 27.5-28.35 GHz, taking into account Recommendation ITU-R SF.1601 for the situations referred to in <i>considering l</i> );	
	4 to study the regulatory provisions that might be needed in order to address those cases where the deployment of HAPS in the fixed service in the bands 27.5- 28.35 GHz and 31-31.3 GHz in the territory of one administration may affect other administrations;	
	5 to continue to carry out studies on the appropriate interference mitigation techniques for the situations referred to in <i>considering j</i> ),	
1.9 to review the technical, operational and regulato with current and future terrestrial services without placing undu	ry provisions applicable to the use of the band 2 500-2 690 MHz by space services in order to e constraint on the services to which the band is allocated;	facilitate sharing
JTG 6-8		No other SG or WP involved

to review the regulatory procedures and associated technical criteria of Appendix 30B without any action on the allotments, the existing systems or the assignments in 1.10 the List of Appendix 30B; **4A** (Technical aspects) 4A (Regulatory and procedural aspects) SC (Regulatory and procedural aspects) 4-9S to review sharing criteria and regulatory provisions for protection of terrestrial services, in particular terrestrial television broadcasting services, in the band 1 1 1 620-790 MHz from BSS networks and systems, in accordance with Resolution 545 [COM4/5] (WRC-03); Resolution 545 [COM4/5] (WRC-03) 6E **6S** resolves Technical and regulatory procedures relating to the 7D, 8A, 9D, that the processing of submissions of GSO BSS networks and non-GSO BSS broadcasting-satellite service networks operating satellite networks or systems in the frequency band 620-790 MHz received by the  $PPT^*$ in the 620-790 MHz band Bureau and not brought into use prior to 5 July 2003, irrespective of their date of receipt, shall be suspended pending WRC-07 decisions on the sharing criteria, including the pfd required to protect the terrestrial services in this frequency band; 2 to suspend the application of No. 5.311 and Recommendation 705 until the end of WRC-07 with respect to the GSO BSS networks and non-GSO BSS satellite networks or systems in the frequency band 620-790 MHz and for which notification is received between 5 July 2003 and the end of WRC-07; that GSO BSS networks and non-GSO BSS satellite networks or systems in 3 the frequency band 620-790 MHz other than those notified, brought into use and the date of bringing into use confirmed before the end of WRC-03, shall not be brought into use before the end of WRC-07;

<sup>\*</sup> Planning Project Team (see Council Resolution 1185 (Rev.2003)). Y:\APP\PDF SERVER\BR\IN\CA128V2E.DOC



1.12 to consider possible changes in response to Resolution **86 (Rev. Marrakesh, 2002)**: "Coordination and notification procedures for satellite networks" in accordance to Resolution **86 [COM4/10] (WRC-03)**;

Resolution 86 [COM4/10] (WRC-03)	4A (Technical	resolves	4A (Regulatory
Scope and criteria to be used for the	aspects)	that the scope and criteria of Resolution 86 (Rev. Marrakesh, 2002) to be	and procedural aspects)
implementation of Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference	SC (Regulatory and procedural aspects)	considered by future WRCs be as follows:	6 <b>S</b> , 8D
	L	1 to consider any proposals which deal with deficiencies in the advance publication, coordination and notification procedures of the Radio Regulations for space services which have either been identified by the Board and included in the Rules of Procedure or which have been identified by administrations or by the Bureau, as appropriate;	
		2 to consider any proposals which are intended to transform the content of the Rules of Procedure into a regulatory text;	
		3 to ensure that these procedures, characteristics and appendices reflect the latest technologies, as far as possible;	
		4 to consider any proposals intended to facilitate, in accordance with Article 44 of the Constitution, the rational, efficient and economical use of radio frequencies and the associated orbits including the geostationary orbit in accordance with <i>resolves</i> 2 of Resolution <b>80 (Rev.WRC-2000)</b> and <i>resolves to request the 2003 and subsequent world radiocommunication</i> <i>conferences</i> of Resolution 86 (Rev. Marrakesh, 2002);	
		5 to consider any changes to provisions of the Radio Regulations for space services that would result in the simplification of the procedures and the work of the Bureau and/or administrations;	
		6 to consider any changes to the Radio Regulations that follow from decisions of a Plenipotentiary Conference on space matters.	

Resolution 88 [COM4/8] (WRC-03) SC 4A (Regulatory resolves and procedural Rationalization of Articles 9 and 11 of the Radio that the rationalization and clarification of Articles 9 and aspects) Regulations 11 be considered by WRC-07 under Resolution 86 (Rev.Marrakesh, 2002); that WRC-07 should review the results of the studies to be undertaken by ITU-R and take appropriate action, requests ITU-R to undertake studies leading to the rationalization of the coordination and notification procedures, taking due account of No. 0.3 of the Radio Regulations, invites administrations to assist in the rationalization and clarification of the procedures for coordination and notification of radiocommunication services by submitting contributions to ITU-R relating to the abovementioned difficulties 1.13 taking into account Resolutions 729 (WRC-97), 351 [COM4/2] (WRC-03) and 544 [COM4/11] (WRC-03), to review the allocations to all services in the HF bands between 4 MHz and 10 MHz, excluding those allocations to services in the frequency range 7 000-7 200 kHz and those bands whose allotment plans are in Appendices 25, 26 and 27 and whose channelling arrangements are in Appendix 17 taking account of the impact of new modulation techniques, adapting control techniques and the spectrum requirements for HF broadcasting; Resolution 729 (WRC-97) 9C SG 6, 8A, 8B resolves Use of frequency adaptive systems in the MF 7D that, in authorizing the operation of frequency adaptive systems in the MF and and HF bands HF bands, administrations shall: make assignments in the bands allocated to the fixed and mobile services; 1.1 1.2 not make assignments in the bands: allocated exclusively to the maritime or aeronautical mobile (R) services; shared on a co-primary basis with the broadcasting service, radiodetermination service or the amateur services; allocated to radio astronomy;

Resolution <b>351 [COM4/2] (WRC-03)</b> Review of the frequency and channel arrangements in the MF and HF bands allocated to the maritime mobile service with a view to improving efficiency by considering the use of new digital technology by the maritime mobile service	88	<ul> <li>1.3 avoid use which may affect frequency assignments involving safety services made in accordance with Nos. 5.155, 5.155A and 5.155B;</li> <li>1.4 take into account any footnotes applicable to the proposed bands and the implications regarding compatibility;</li> <li>2 that frequency adaptive systems shall automatically limit simultaneous use of frequencies to the minimum necessary for communication requirements;</li> <li>3 that, with a view to avoiding harmful interference, the system should evaluate the channel occupancy prior to and during operation;</li> <li>4 that frequency adaptive systems shall be notified to the Bureau in accordance with the provisions of Article 11, <i>invites ITU-R</i></li> <li>1 to pursue its studies on the subject (see, for example, Questions ITU-R 204-1/1, ITU-R 147-1/9, ITU-R 205/9 or ITU-R 214/9) with a view to achieving optimum operational performance and compatibility;</li> <li>2 to report on the results of these studies to a future world radiocommunication conference, <i>resolves</i></li> <li>1 that, in order to provide full worldwide interoperability of equipment on ships, there should be one technology, or more than one interoperable worldwide technology, implemented under Appendix 17;</li> <li>2 that, as soon as the ITU-R studies are completed, a future competent conference should consider necessary changes to Appendix 17 to enable the use of new technology by the MMS,</li> <li><i>invites ITU-R</i></li> <li>to identify future requirements of the MMS;</li> <li>to identify the technical characteristics necessary to facilitate use of digital systems in the MF and HF bands allocated to the MMS, taking into account any relevant ITU-R Recommendations;</li> </ul>	9C
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		<ul> <li>to identify the digital system(s) to be used in the MF/HF bands by the MMS;</li> <li>to identify any necessary modifications to the frequency table contained within Appendix 17;</li> <li>to propose a timetable for the introduction of new digital technologies and any consequential changes to Appendix 17;</li> <li>to recommend how digital technologies can be introduced while ensuring compliance with distress and safety requirements,</li> </ul>	
Resolution 544 [COM4/11] (WRC-03)	6E	noting	8A, 9C
Identification of additional spectrum for the broadcasting service in the HF bands		that ITU-R studies identified preferred bands, from which sufficient allocations could be made to the broadcasting service: 4 500-4 650 kHz 5 060-5 250 kHz 5 840-5 900 kHz 7 450-7 650 kHz 9 290-9 400 kHz 9 900-9 940 kHz, <i>noting further</i> that further studies are required on the potential allocation of the bands identified in <i>noting</i> above and of any other bands between 4 and 10 MHz that may be considered for allocation to the broadcasting service, <i>resolves to invite ITU-R</i> 1 to carry out studies on this matter, particularly in respect to the bands identified in the <i>noting</i> above, taking into account technical, operational, economic and other relevant factors, including the appropriate transitional arrangements, and how the introduction of digital emissions will affect the HF broadcasting requirements and how such reallocations will affect other services using these bands;	3L

1.14 to review the operational procedures and requirements of the Global Maritime Distress and Safety System (GMDSS) and other related provisions of the Radio Regulations, taking into account Resolutions **331 (Rev.WRC-03)** and **342 (Rev.WRC-2000)** and the continued transition to the GMDSS, the experience since its introduction and the needs of all classes of ships;

Resolution 331 (Rev.WRC-03)	8B	resolves
Fransition to the Global Maritime Distress and		1 to retain, as an interim measure, the provisions permitting use of VHF channel 16 and the frequency 2 182 kHz for general voice-calling;
Safety System (GMDSS)		2 to urge all administrations to assist in enhancing safety at sea by:
		<ul> <li>encouraging all vessels to make use of the GMDSS as soon as possible;</li> </ul>
		<ul> <li>encouraging, where appropriate, establishment of suitable shore-based facilities for GMDSS, either on an individual basis or in cooperation with other relevant parties in the area;</li> </ul>
		<ul> <li>encouraging all vessels carrying maritime VHF equipment to be fitted with DSC on VHF channel 70 as soon as possible, taking into account the relevant decisions of IMO;</li> </ul>
		<ul> <li>encouraging vessels to limit their use of VHF channel 16 and the frequency 2 182 kHz for calling to the minimum necessary, noting the provisions of No. 52.239;</li> </ul>
		3 that administrations may release their ship stations and coast stations from the obligations described in Appendix <b>13</b> concerning listening watch on VHF channel 16 or 2 182 kHz or both, taking account of all aspects involved, such as:
		<ul> <li>decisions by IMO and ITU on aural watch on 2 182 kHz and VHF channel 16;</li> </ul>
		<ul> <li>the GMDSS radio systems available in the area concerned;</li> </ul>
		- the compatibility problems mentioned in <i>considering a</i> ) and <i>b</i> ) above;
		<ul> <li>the density and classes of vessels normally in the area;</li> </ul>
		<ul> <li>the geographical nature of the area and general navigational conditions within the area;</li> </ul>
		<ul> <li>other adequate measures taken to ensure safety communications for vessels sailing in the area,</li> </ul>
		when the development on transition to the GMDSS and the prevailing conditions in the area makes it reasonable to do so;
		when doing so, administrations should:
		- inform IMO of their decisions and submit to IMO details on the area concerned;
		<ul> <li>inform the Secretary-General on the necessary details for inclusion in the List of Coast Stations,</li> </ul>

resolves Resolution 342 (Rev.WRC-2000) that, in order to provide full worldwide interoperability of equipment on ships, New technologies to provide improved there should be one technology, or more than one interoperable worldwide technology, efficiency in the use of the band 156-174 MHz implemented under Appendix 18; by stations in the maritime mobile service 2 that, as soon as the ITU-R studies are complete, a future competent conference should consider any necessary changes to Appendix 18 to enable the use of new technologies by the maritime mobile service, invites ITU-R to finalize the following studies: identify the future requirements of the maritime mobile service; a) b) identify suitable technical characteristics of the system or interoperable systems to replace existing technology; identify necessary modifications to the Table of frequencies contained in *c*) Appendix 18; recommend a transition plan for the introduction of new technologies; d) recommend how new technologies can be introduced while ensuring compliance e) with the distress and safety requirements, to consider a secondary allocation to the amateur service in the frequency band 135.7-137.8 kHz; 1.15 **8**A

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to consider the regulatory and operational provisions for Maritime Mobile Service Identities (MMSIs) for equipment other than shipborne mobile equipment, taking 1.16 into account Resolutions 344 (Rev.WRC-03) and 353 [COM4/4] (WRC-03); resolves to instruct the Director of the Radiocommunication Bureau Resolution 344 (Rev.WRC-03) **8B** to manage the allotment and distribution of the MID resource within the MMSI 1 Management of the maritime mobile service numbering format, taking into account: identity numbering resource Sections II, V and VI of Article 19; regional variations in MMSI use; spare capacity within the MID resource; and the guidelines on MID and MMSI management contained in the most recent version of Recommendation ITU-R M.585, in particular as regards the reuse of MMSIs: to report to each world radiocommunication conference on the use and status of 2 the MMSI resource, noting in particular the anticipated reserve capacity and any indications of rapid exhaustion of the resource, invites ITU-R to keep under review the Recommendations for assigning MMSIs, with a view to: improving the management of the MID and MMSI resources; and identifying alternative resources if there is an indication of rapid exhaustion of these resources, Resolution 353 [COM4/4] (WRC-03) resolves to invite ITU-R Maritime mobile service identities (MMSI) for to review the MMSI operational and procedural requirements and to develop an appropriate equipment other than shipborne mobile format which cannot be confused with the format used for ship and coast stations, equipment

1.17 to consider the results of ITU-R studies on compatibility between the fixed satellite service and other services around 1.4 GHz, in accordance with Resolution 745 [COM5/14] (WRC-03);

Resolution 745 [COM5/14] (WRC-03)	8D	resolves	4A, 7C, 7D,
Protection of existing services in all Regions from non-geostationary-satellite networks in the fixed- satellite service using the frequency bands around 1.4 GHz on a secondary basis		1 that the additional allocations for the FSS on a secondary basis in the bands 1 390-1 392 MHz and 1 430-1 432 MHz for feeder links in the (Earth-to space) and (space-to-Earth) directions, respectively, for non-GSO satellite systems in the MSS with service links operating below 1 GHz, shall not be used until the completion of ITU-R studies on all identified compatibility issues as shown in Annex 1 to this Resolution and the results of these studies shall be reported to [WRC-07/a future competent conference] and the decisions should be taken by [WRC-07/a future competent conference] accordingly;	<b>9D</b> SG 6, 8A, 8B
		2 to recommend that decisions taken by WRC-07/a future competent conference], including any provisions for the protection of other services to which the bands in <i>resolves</i> 1 are allocated, and of passive services in the adjacent band, apply to all non-GSO FSS systems in these bands filed to the Bureau after 5 July 2003,	
		further resolves to invite ITU-R, as a matter of urgency	
		1 to continue studies, and to carry out tests and demonstrations to validate the studies on operational and technical means to facilitate sharing around 1.4 GHz, including the frequency band 1 390-1 392 MHz, between existing and currently planned services and FSS feeder links (Earth-to-space) for use by non-GSO satellite systems in the MSS with service links operating below 1 GHz;	
		2 to conduct studies and carry out tests and demonstrations to validate the studies on operational and technical means to facilitate sharing around 1.4 GHz, including the frequency band 1 430-1 432 MHz, between existing and currently planned services and FSS feeder links (space-to-Earth) for use by non-GSO satellite systems in the MSS with service links operating below 1 GHz;	
		3 to carry out studies, including the measurement of emissions from equipment that would be employed in operational systems, to validate that the systems meet all requirements for the protection of passive services in the band 1 400-1 427 MHz from unwanted emissions from FSS feeder links around 1.4 GHz for non-GSO satellite systems in the MSS with service links operating below 1 GHz;	
		4 to study the power flux-density (pfd) values required to protect sensors of the EESS (passive) operating in the band 1 400-1 427 MHz.	

to review pfd limits in the band 17.7-19.7 GHz for satellite systems using highly inclined orbits, in accordance with Resolution 141 [COM4/23] (WRC-03); 1.18 invites ITU-R Resolution 141 [COM4/23] (WRC-03) **4-9S** 4A, 7C, 9A to conduct, as a matter of urgency and in time for WRC-07, the appropriate Sharing between certain types of nontechnical studies to determine whether the current pfd limits for non-GSO systems in geostationary-satellite systems in the fixed-satellite **6**S the FSS in Article 21 are adequate to protect the fixed service in the 17.7-19.7 GHz service and stations in the fixed service in the 17.7band from non-geostationary systems described in *considering g*) without unduly 19.7 GHz band constraining the use of these non-GSO FSS systems; to determine whether there are technical and operational measures in the 2 band 17.7-19.7 GHz that could be implemented in the fixed service to mitigate interference from FSS space stations as described in *considering g*), 1.19 to consider the results of the ITU-R studies regarding spectrum requirement for global broadband satellite systems in order to identify a possible global harmonized FSS frequency bands for the use of internet applications, and consider the appropriate regulatory/technical provisions, taking also into account No. 5.BC03 of the Radio Regulations;

<b>4</b> A	<b>4-9</b> S*
	4B, 6S, SG 7, 8D

<sup>\*</sup> For the bands shared with FSS. Y:\APP\PDF SERVER\BR\IN\CA128V2E.DOC

1.20 to consider the results of studies, and proposal for regulatory measures, if appropriate, regarding the protection of the Earth exploration-satellite service (passive) from unwanted emissions of active services in accordance with Resolution 738 [COM4/14] (WRC-03);

Resolution 738 [COM4/14] (WRC-03)	TG 1/9	resolves	7C
Compatibility analyses between the Earth exploration-satellite service (passive) and active services		1 to invite ITU-R to continue or to initiate studies on the compatibility analyses between EESS (passive) and the corresponding active services as listed in the Table with a view to updating Recommendation ITU-R SM.1633 or developing additional Recommendations;	4A, SG 6, 8D 9B, 9D
		2 to invite ITU-R to further study the impact of implementing the values provided in <i>considering f</i> ) and <i>g</i> ) for unwanted emissions of fixed-service systems operating in Regions 2 and 3, taking into account that the impact on fixed-service systems in Region 1 has already been investigated;	
		to recommend that WRC-07 review the results of the studies identified in <i>resolves</i> 1 and 2 in order to consider regulatory measures, if appropriate, to ensure the protection of the EESS (passive) operating in the bands listed in the Table from unwanted emissions of active services operating in the corresponding bands while taking into account the impact on all concerned services of implementing or not implementing such measures,	

[COM4/17] (WRC-03) in order to review and update, if appropriate, the Tables of threshold levels used for consultation in that appear in the Annex to Resolution 739 [COM4/15] (WRC-03);

Resolution 740 [COM4/17] (WRC-03)	TG 1/9	resolves	4A, 6S, 7D, 8D
Future compatibility analyses between the radio astronomy service and active space services in certain adjacent and nearby frequency bands		<ol> <li>to invite ITU-R to study the compatibility between the RAS and the corresponding active space services as listed in the Table only, with a view to updating or developing ITU-R Recommendations, if appropriate;</li> <li>that WRC-07 should consider the results of the studies as identified in <i>resolves</i> 1, in order to review and update, if appropriate, the tables of threshold levels for consultation in the Annex to Resolution 739 [COM4/15] (WRC-03),</li> </ol>	

Resolution <b>739</b> [COM4/15] (WRC-03) Compatibility between the radio astronomy service and the active space services in certain adjacent and nearby frequency bands	See Tables of pfd thresholds for unwanted emissions from GSO space stations at a radio astronomy station (Annex 1 to Resolution <b>739</b> [COM4/15]	
	ns incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly ecide whether or not to update the corresponding references in the Radio Regulations, in accordance with p	
Resolution <b>28 (Rev.WRC-03)</b> Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations	<i>instructs the Director of the Director of the Radiocommunication Bureau</i> to provide the CPM immediately preceding each WRC with a list, for inclusion in the CPM Report, of those ITU-R Recommendations containing texts incorporated by reference that have been revised or approved since the previous WRC, or that may be revised in time for the following WRC,	
Resolution 27 (Rev.WRC-03) Use of incorporation by reference in the Radio Regulations	<i>instructs the Director of the Radiocommunication Bureau</i> 1 to bring this Resolution to the attention of the Radiocommunication Assembly and the ITU-R Study Groups; 2 to identify the provisions and footnotes of the Radio Regulations containing references to ITU-R Recommendations and make suitable proposals to the second session of the Conference Preparatory Meeting (CPM) for inclusion in its Report to the next WRC,	

in accordance with Resolution 95 (Rev.WRC-03), to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, 4 replacement or abrogation; Resolution 95 (Rev.WRC-03) instructs the Director of the Radiocommunication Bureau General review of the Resolutions and to conduct a general review of the Resolutions and Recommendations of previous Recommendations of world administrative radio conferences and, after consultation with the Radiocommunication Advisory Group and the conferences and world radiocommunication Chairmen and Vice-Chairmen of the Radiocommunication Study Groups, submit a report to conferences the second session of the Conference Preparatory Meeting in respect of resolves 1 and resolves 2, including an indication of any associated agenda items; to include in the above report, with the cooperation of the chairmen of the 2 Radiocommunication Study Groups, the progress reports of ITU-R studies on the issues which have been requested by the Resolutions and Recommendations of previous conferences, but which are not placed on the agendas of the forthcoming two conferences, invites the Conference Preparatory Meeting to include, in its Report, the results of a general review of the Resolutions and Recommendations of previous conferences. to consider and approve the Report\* of the Director of the Radiocommunication Bureau, on the activities of the Radiocommunication Sector since WRC-03, on any 7.1 difficulties or inconsistencies encountered in the application of the Radio Regulations; and on action in response to Resolution 80 (Rev.WRC-2000); Resolution 80 (Rev.WRC-2000) 4A (Technical aspects) to instruct the Director of the Radiocommunication Bureau to 8B. 8D 3 submit to WRC-03 a detailed report on the action taken on this Due diligence in applying the principles SC (Regulatory and Resolution, embodied in the Constitution procedural aspects)

<sup>\*</sup> With respect to the studies requested of ITU-R, including those referred to in the footnote of Annex 5, and to be reported by the Director to WRC-07, the Director is kindly requested to consider the possibility of providing any information relevant to the activities of the CPM, if available.

**SG 1** Resolution 951 [COM7/2] (WRC-03) 1**B.** 4A resolves Options to improve the international spectrum SG 7. SG 8. that studies be carried out by ITU-R to examine the effectiveness, appropriateness and regulatory framework SG 9 impact of the Radio Regulations, with respect to the evolution of existing, emerging and future applications, systems and technologies, and to identify options for improvements in the Radio Regulations that address the *considering* and *noting* above, instructs the Director of the Radiocommunication Bureau to include the results of these studies in his Report to WRC-07 for the purposes of considering whether to place this subject on a future conference agenda, Recommendation 723 [COM7/3] (WRC-03) 6P 4B. 6E. 8A. recommends that ITU-R 8D. 9B continue the study, as a matter of urgency, of the technical, operational and Spectrum usage and operational characteristics of 1 electronic news gathering systems frequency issues of ENG on a global basis; 2 prepare Reports and/or Recommendations as appropriate, invites the Director of the Radiocommunication Bureau to include the status of this study in his Report to WRC-07 for information, All SGs invites ITU-R Resolution 74 (Rev.WRC-03) 1A to continue its study, as required, of the technical bases used for determination of 1 Process to keep the technical bases of Appendix 7 the coordination area of an earth station, including recommended values for the missing current entries in the tables of technical coordination parameters (Annex 7 to Appendix 7); 2 to maintain the relevant ITU-R texts in a format which would facilitate the future revision of Appendix 7; 3 to assess the significance of changes to the technical bases, resolves that when ITU-R concludes, based on its studies of the methods in *considering d*) for determination of the coordination area of an earth station and/or the values of technical coordination parameters, that a revision of Appendix 7 is warranted, the matter shall be brought to the attention of the Radiocommunication Assembly;

<u>,</u>		
	2 that, if the Radiocommunication Assembly confirms the improvements of the methods in <i>considering d</i> ) for determination of the coordination area of an earth station and/or the values of technical coordination parameters which have been presented by ITU-R, the Director of the Radiocommunication Bureau shall identify the matter in the Director's report to the following WRC,	
Resolution 547 [COM6/3] (WRC-03)	resolves	68
Updating of the "Remarks" columns in the Tables of Article <b>9A</b> of Appendix <b>30A</b> and Article <b>11</b> of Appendix <b>30</b> to the Radio Regulations	1 that the Bureau, using the revised criteria adopted at this Conference, shall carry out the required analyses based on the following Notes explaining the nature of the "Remarks" columns entries in order to reduce the number of affected and affecting administrations or networks taking into account modifications to satellite networks: Notes 5 to 7 in section 9A.2 of Article 9A of Appendix <b>30A</b> and Notes 5 to 8 in section 11.2 of Article <b>11</b> of Appendix <b>30</b> ;	
	2 that, in addition to the use of the new criteria, the Bureau shall also take into account any changes in the characteristics and any suppression of assignments in the application of the Radio Regulations;	
	3 that the Bureau shall publish, not later than 1 January 2005, the updated results of its analyses, as indicated in <i>resolves</i> 1 and 2 above, together with its related conclusions, in a circular letter;	
	4 that, once the circular letter referred to in <i>resolves</i> 3 has been sent, administrations will have until one year before WRC-07 to decide whether they do or do not wish to continue appearing as "affected or affecting administrations". In the case of a request by an administration whose name appears in the "Remarks" column as an affecting or affected BSS administration in Regions 1 and 3, its deletion from the "Remarks" column is subject to the agreement of the affected or affecting administration. The Bureau shall send a reminder to all administrations 45 days before the expiry of the above-mentioned deadline in the form of a circular telefax requesting comment or reply. If no reply is received from administrations within that period, it will be taken that there is no need to make any change,	

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#### Contributing Group (bolded) shall submit the contribution

Interested Group (not bolded) may submit the contribution

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