



## *Radiocommunication Bureau*

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Administrative Circular  
**CA/171**

20 December 2007

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

**Subject:** Results of the first session of the Conference Preparatory Meeting for WRC-11 (CPM11-1)

#### **Introduction**

The World Radiocommunication Conference (Geneva, 2007) decided in its Resolutions 805 [COM6/7] and 806 [COM6/22] to recommend to the Council the draft agenda for the 2011 World Radiocommunication Conference (WRC-11) and a preliminary agenda for the 2015 World Radiocommunication Conference (WRC-15). The draft agendas are contained in Annex 1 and Annex 2 to this Circular Letter. The list of the provisional numbers for new Resolutions and Recommendations from WRC-07 is provided in Annex 3.

The Radiocommunication Assembly (RA-07), by its Resolution ITU-R 2-5 (<http://www.itu.int/publ/R-RES-R.2-5-2007/en>) reconfirmed the Conference Preparatory Meeting (CPM) and WRC-07 agreed that preparatory studies for WRC-11 are to be carried out by the CPM process.

#### **First session of the Conference Preparatory Meeting for WRC-11 (CPM11-1)**

CPM11-1 was held in Geneva from 19 to 20 November 2007. It organized the preparatory studies for WRC-11 and proposed a structure for its Report to WRC-11. Furthermore, the meeting nominated six (6) Chapter Rapporteurs who will assist the Chairman in managing the development of the draft Report to WRC-11. With one exception, all the preparatory work, as agreed by CPM11-1, will be performed within the framework of the foreseen work programme and organization of the ITU-R Study Groups. However, a dedicated Joint Task Group (JTG 5-6) was established to deal with complex issues related to the use of the band 790-862 MHz in Regions 1 and 3 (WRC-11 Agenda item 1.17).

The results of CPM11-1 are contained in the following Annexes:

- Annex 4 Report on the first session of the Conference Preparatory Meeting for WRC-11 (CPM11-1)
- Annex 5 Structure and working procedures
- Annex 6 Table of contents of the draft CPM Report to WRC-11
- Annex 7 Outline of the CPM-11 Report to WRC-11
- Annex 8 Allocation of ITU-R preparatory work for WRC-11
- Annex 9 Allocation of ITU-R preparatory work for WRC-15
- Annex 10 Terms of reference of Joint Task Group 5-6
- Annex 11 Proposed detailed structure for the draft CPM Report to WRC-11
- Annex 12 Organization of the work of the Special Committee
- Annex 13 List of mailing addresses of Chairman, Vice-Chairmen and Chapter Rapporteurs

Valery Timofeev  
Director, Radiocommunication Bureau

**Distribution:**

- Administrations of Member States of the ITU
- Sector Members of ITU-R
- Radiocommunication Sector Members
- 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

## Annex 1

### RESOLUTION 805 [COM6/7] (WRC-07)

#### Agenda for the 2011 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 2007),

*considering*

- a) that, in accordance with No. 118 of the ITU 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 ITU 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-11;
- 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 2011 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-07 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 to consider and take appropriate action on 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-07)**;

1.2 taking into account the ITU-R studies carried out in accordance with Resolution **951 (Rev.WRC-07)**, to take appropriate action with a view to enhancing the international regulatory framework;

1.3 to consider spectrum requirements and possible regulatory actions, including allocations, in order to support the safe operation of unmanned aircraft systems (UAS), based on the results of ITU-R studies, in accordance with Resolution **421 [COM6/8] (WRC-07)**;

1.4 to consider, based on the results of ITU-R studies, any further regulatory measures to facilitate introduction of new aeronautical mobile (R) service (AM(R)S) systems in the bands 112-117.975 MHz, 960-1 164 MHz and 5 000-5 030 MHz in accordance with Resolutions **413 (Rev.WRC-07)**, **417 [COM4/5] (WRC-07)** and **420 [COM4/9] (WRC-07)**;

1.5 to consider worldwide/regional harmonization of spectrum for electronic news gathering (ENG), taking into account the results of ITU-R studies, in accordance with Resolution **954 [COM6/5] (WRC-07)**;

- 1.6 to review No. **5.565** of the Radio Regulations in order to update the spectrum use by the passive services between 275 GHz and 3 000 GHz, in accordance with Resolution **950 (Rev.WRC-07)**, and to consider possible procedures for free-space optical-links, taking into account the results of ITU-R studies, in accordance with Resolution **955 [COM6/9] (WRC-07)**;
- 1.7 to consider the results of ITU-R studies in accordance with Resolution **222 (Rev.WRC-07)** in order to ensure long-term spectrum availability and access to spectrum necessary to meet requirements for the aeronautical mobile-satellite (R) service, and to take appropriate action on this subject, while retaining unchanged the generic allocation to the mobile-satellite service in the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz;
- 1.8 to consider the progress of ITU-R studies concerning the technical and regulatory issues relative to the fixed service in the bands between 71 GHz and 238 GHz, taking into account Resolutions **731 (WRC-2000)** and **732 (WRC-2000)**;
- 1.9 to revise frequencies and channelling arrangements of Appendix 17 to the Radio Regulations, in accordance with Resolution **351 (Rev.WRC-07)**, in order to implement new digital technologies for the maritime mobile service;
- 1.10 to examine the frequency allocation requirements with regard to operation of safety systems for ships and ports and associated regulatory provisions, in accordance with Resolution **357 [COM6/10] (WRC-07)**;
- 1.11 to consider a primary allocation to the space research service (Earth-to-space) within the band 22.55-23.15 GHz, taking into account the results of ITU-R studies, in accordance with Resolution **753 [COM6/11] (WRC-07)**;
- 1.12 to protect the primary services in the band 37-38 GHz from interference resulting from aeronautical mobile service operations, taking into account the results of ITU-R studies, in accordance with Resolution **754 [COM6/12] (WRC-07)**;
- 1.13 to consider the results of ITU-R studies in accordance with Resolution **551 [COM6/13] (WRC-07)** and decide on the spectrum usage of the 21.4-22 GHz band for the broadcasting-satellite service and the associated feeder-link bands in Regions 1 and 3;
- 1.14 to consider requirements for new applications in the radiolocation service and review allocations or regulatory provisions for implementation of the radiolocation service in the range 30-300 MHz, in accordance with Resolution **611 [COM6/14] (WRC-07)**;
- 1.15 to consider possible allocations in the range 3-50 MHz to the radiolocation service for oceanographic radar applications, taking into account the results of ITU-R studies, in accordance with Resolution **612 [COM6/15] (WRC-07)**;
- 1.16 to consider the needs of passive systems for lightning detection in the meteorological aids service, including the possibility of an allocation in the frequency range below 20 kHz, and to take appropriate action, in accordance with Resolution **671 [COM6/16] (WRC-07)**;
- 1.17 to consider results of sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3, in accordance with Resolution **749 [COM4/13] (WRC-07)**, to ensure the adequate protection of services to which this frequency band is allocated, and take appropriate action;
- 1.18 to consider extending the existing primary and secondary radiodetermination-satellite service (space-to-Earth) allocations in the band 2 483.5-2 500 MHz in order to make a global primary allocation, and to determine the necessary regulatory provisions based upon the results of ITU-R studies, in accordance with Resolution **613 [COM6/17] (WRC-07)**;

- 1.19 to consider regulatory measures and their relevance, in order to enable the introduction of software-defined radio and cognitive radio systems, based on the results of ITU-R studies, in accordance with Resolution **956 [COM6/18] (WRC-07)**;
- 1.20 to consider the results of ITU-R studies and spectrum identification for gateway links for high altitude platform stations (HAPS) in the range 5 850-7 075 MHz in order to support operations in the fixed and mobile services, in accordance with Resolution **734 (Rev.WRC-07)**;
- 1.21 to consider a primary allocation to the radiolocation service in the band 15.4-15.7 GHz, taking into account the results of ITU-R studies, in accordance with Resolution **614 [COM6/19] (WRC-07)**;
- 1.22 to examine the effect of emissions from short-range devices on radiocommunication services, in accordance with Resolution **953 [COM6/4] (WRC-07)**;
- 1.23 to consider an allocation of about 15 kHz in parts of the band 415-526.5 kHz to the amateur service on a secondary basis, taking into account the need to protect existing services;
- 1.24 to consider the existing allocation to the meteorological-satellite service in the band 7 750-7 850 MHz with a view to extending this allocation to the band 7 850-7 900 MHz, limited to non-geostationary meteorological satellites in the space-to-Earth direction, in accordance with Resolution **672 [COM6/20] (WRC-07)**;
- 1.25 to consider possible additional allocations to the mobile-satellite service, in accordance with Resolution **231 [COM6/21] (WRC-07)**;
- 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 1 to Resolution **27 (Rev.WRC-07)**;
- 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-07)**, 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 to consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks”, in accordance with Resolution **86 (Rev.WRC-07)**;
- 8 in accordance with Article 7 of the Convention:
  - 8.1 to consider and approve the Report of the Director of the Radiocommunication Bureau:
    - 8.1.1 on the activities of the Radiocommunication Sector since WRC-07;
    - 8.1.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and
    - 8.1.3 on action in response to Resolution **80 (Rev.WRC-07)**;

8.2 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 **806 [COM6/22] (WRC-07)**,

*resolves further*

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-11, 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-11,

*instructs the Secretary-General*

to communicate this Resolution to international and regional organizations concerned.

## Annex 2

### RESOLUTION 806 [COM6/22] (WRC-07)

#### **Preliminary agenda for the 2015 World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 2007),

*considering*

- a) that, in accordance with No. 118 of the ITU Convention, the general scope of the agenda for WRC-15 should be established four to six years in advance;
- b) Article 13 of the ITU 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),

*resolves to give the view*

that the following items should be included in the preliminary agenda for WRC-15:

- 1 to take appropriate action in respect of those urgent issues that were specifically requested by WRC-11;
- 2 on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-11, to consider and take appropriate action in respect of the following items:
  - 2.1 to consider spectrum requirements and possible additional spectrum allocations in the radiodetermination service to support the operation of unmanned aerial systems (UAS) in non-segregated airspace;
  - 2.2 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)**;
- 3 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-07)**;
- 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 **95 (Rev.WRC-07)**, to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;
- 6 to review, and take appropriate action on, the Report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention;
- 7 to identify those items requiring urgent action by the Radiocommunication Study Groups;

8 to consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks”, in accordance with Resolution **86 (Rev.WRC-07)**;

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-11;

9.2 to recommend to the Council items for inclusion in the agenda for the following WRC,  
*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-15,

*instructs the Secretary-General*

to communicate this Resolution to international and regional organizations concerned.



### Annex 3

#### Provisional numbers for new Resolutions and Recommendations from WRC-07

Res. No.	Provisional No.	Res. No.	Provisional No.	Rec. No.	Provisional No.
COM4/1	549	COM6/1	906	COM4/A	724
COM4/2	416	COM6/2	647	COM4/B	206
COM4/3	354	COM6/3	804	COM4/C	207
COM4/4	748	COM6/4	953		
COM4/5	417	COM6/5	954		
COM4/6	355	COM6/6	97		
COM4/7	418	COM6/7	805		
COM4/8	419	COM6/8	421		
COM4/9	420	COM6/9	955		
COM4/10	356	COM6/10	357		
COM4/11	550	COM6/11	753		
COM4/12	903	COM6/12	754		
COM4/13	749	COM6/13	551		
		COM6/14	611		
COM5/1	904	COM6/15	612		
COM5/2	905	COM6/16	671		
COM5/3	147	COM6/17	613		
COM5/4	750	COM6/18	956		
COM5/5	751	COM6/19	614		
COM5/6	752	COM6/20	672		
COM5/7	148	COM6/21	231		
COM5/8	149	COM6/22	806		
		COM6/23	673		

## **Annex 4**

### **Report on the first session of the Conference Preparatory Meeting for WRC-11**

The first Conference Preparatory Meeting (CPM11-1) was held in Geneva from 19 to 20 November 2007, to organize and coordinate conference preparatory studies for WRC-11, based on the outputs from WRC-07 (Final Acts) and the 2007 Radiocommunication Assembly (RA-07) Resolutions, in particular on Resolution ITU-R 2-5.

WRC-07, by its Resolution 805 [COM6/7] (WRC-07), activated the CPM to initiate preparation for WRC-11. The preparatory process shall be in conformity with Resolution ITU-R 2-5.

One hundred and sixty-four participants from 54 Member States and 15 Sector Members, including the Chairmen of all ITU-R Study Groups (SG 1, 3, 4, 5, 6 and 7), attended the meeting.

Following thorough consideration of nine contributions, the structure of the draft CPM Report and working procedures were agreed (see Annex 5) together with the table of contents and the Chapter structure (see Annex 6).

The allocation of preparatory work was based on the ITU-R Study Group structure, as contained in Document CPM11-1/1. For each WRC-11 agenda item a single ITU-R Working Party has been identified to take responsibility for the preparatory work, inviting input and/or participation from other concerned\* ITU-R groups as necessary (see Annexes 8 and 9). However, on an exceptional basis, Joint Task Group 5-6 (JTG 5-6), under the chairmanship of Mr A. Kholod (Switzerland), has been established to carry out preparatory studies on WRC-11 Agenda item 1.17 (see Annex 10).

The meeting appointed a Rapporteur for each of the six (6) Chapters to assist the Chairman in managing the flow of contributions and the development of the draft CPM Report. The list of the Chapter Rapporteurs may be found in Annex 13.

A page limit was decided for contributions as well as for each agenda item (10 pages on average). This limit must be observed by each Chapter Rapporteur in order to limit the draft CPM texts to 250 pages in total and, in turn, to establish an overall limit of 300 pages for the CPM Report, including 50 pages for the Special Committee. The Chairmen of ITU-R Study Groups, Working Parties and JTG 5-6 are kindly requested to take into account the above-mentioned limits when preparing their inputs to the corresponding Chapter Rapporteurs. The Chapter Rapporteurs also need to strictly observe the limits in the preparation of their contributions to the draft CPM Report.

It was also decided that the number of proposed options to satisfy each agenda item be kept to the absolute minimum. The options should be described in a clear and concise manner in order to assist administrations in identifying the differences between them.

In the interests of economy and in recognition of the need for a timely distribution of the draft CPM Report, the responsible groups are invited to provide their contributions in a concise form, following the Chapter structure as contained in Annexes 6, 7 and 11, by [DD][MM][YY]. The exact date for submission of contributions, as well as the dates of CPM11-2, will be communicated to the membership and to the ITU-R SG and WP/TG Chairmen and Chapter Rapporteurs at a later stage (as soon as the exact time of WRC-11 is decided by the ITU Council).

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\* A concerned ITU-R 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.

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

WRC-07, by its Resolution 805 [COM6/7] (WRC-07), also activated the Special Committee (SC) in the preparatory process for WRC-11 (see Resolution ITU-R 38-3), recognizing that CPM11-1 would distribute tasks to the SC, as appropriate. The organization of the work of the SC was noted (see Annex 12).

Discussing the ITU-R meetings schedule, CPM11-1 expressed the view that the final meeting of the SC should be held not later than 4 months prior to CPM11-2.

In order to facilitate the understanding of the draft CPM Report, an executive summary for each WRC-11 agenda item (or each issue) will be developed by the responsible group and may be used for informing the regional groups throughout the WRC preparatory cycle. The final summary will be prepared for the final draft CPM text by the responsible group and included in the CPM Report to WRC-11.

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).

## Annex 5

### Structure and working procedures

#### 1 Chapter structure

The table of contents of the CPM Report to WRC-11 can be found in Annex 6.

The outline of the CPM-11 Report is provided in Annex 7 and its proposed detailed structure can be found in Annex 11.

#### 2 Chapter Rapporteurs

The names of the Chapter Rapporteurs are provided in Annex 6. Further details are available in Annex 13.

#### 3 Duties of the Chapter Rapporteurs

- 3.1 To ensure that the consistency of the format, structure and guidelines on the amount of text are observed.
- 3.2 To ensure the integration of most recent output texts from the *responsible* group into a consolidated CPM text by consultation with, or assistance from the *responsible* group Chairmen to ensure that the CPM work is complete and on time.

#### 4 CPM working procedures

In accordance with paragraph 2.3 of Annex 1 to Resolution ITU-R 2-5, CPM11-1 identified *responsible* groups (i.e. ITU-R Working Parties of the relevant Study Groups or a Joint Task Group) as well as *concerned* groups (i.e. ITU-R Working Parties of the relevant Study Groups), as indicated in Annex 8 to this Administrative Circular.

4.1 The *responsible* group has the responsibility to prepare a draft element of the CPM Report addressing the specific agenda item or sub-item for which it has main responsibility. The *responsible* group should ensure the necessary coordination with the *contributing* group(s), and the *interested* group(s), if appropriate.

4.2 In the preparation of the CPM Report, differences in approach as contained in the source material shall be reconciled to the extent possible. In the case where the approaches cannot be reconciled, the differing views and their justification shall be included in the CPM Report.

4.3 The *concerned* groups for any item or sub-item, will not contribute directly to the CPM, but may contribute to the work of the *responsible* group for that item or sub-item by the following means in order of preference:

- participation of members of the *concerned* groups in the work and meetings of the *responsible* group;
- appointment of rapporteurs to represent their interests in the work and meetings of the *responsible* group;
- liaison statements if time permits.

NOTE – The *concerned* group may be either:

- a *contributing* group, a contribution from which is expected on a specific item, or
- an *interested* group that will follow the work on a specific issue and act as appropriate.

4.4 As far as possible, *concerned* groups should avoid establishing specific groups or meetings to agree on contributions to the *responsible* group, as this will inevitably create some duplication with the work of the *responsible* group and increase the number of meetings that the interested experts would need to attend.

4.5 The output of the *responsible* group shall be prepared and processed in accordance with Resolution ITU-R 2-5.

## **Annex 6**

### **Table of contents of the draft CPM Report to WRC-11**

<b>CHAPTER 1</b>	<b>Maritime and aeronautical issues</b>
Agenda items:	1.3, 1.4, 1.9, 1.10
Rapporteurs:	Mr Christian Rissone (France)
<b>CHAPTER 2</b>	<b>Radiolocation and amateur issues</b>
Agenda items:	1.14, 1.15, 1.21, 1.23
Rapporteur:	Mr Timur Kadyrov (Russian Federation)
<b>CHAPTER 3</b>	<b>Fixed, mobile and broadcasting issues</b>
Agenda items:	1.5, 1.8, 1.17*, 1.20, 1.22
Rapporteur:	Mr Naser A. Eidha Alrashedi (United Arab Emirates)
<b>CHAPTER 4</b>	<b>Science issues</b>
Agenda items:	1.6, 1.11, 1.12, 1.16, 1.24
Rapporteur:	Mr John E. Zuzek (United States of America)
<b>CHAPTER 5</b>	<b>Satellite issues</b>
Agenda items:	1.7, 1.13, 1.18, 1.25, 7
Rapporteur	Mr Muneo Abe (Japan)
<b>CHAPTER 6</b>	<b>Future work programme and other issues</b>
Agenda items:	1.2, 1.19, 2, 4, 8.1, 8.2
Rapporteur:	Mr Jean-Jacques Massima Landji (Gabonese Republic)

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\* **JTG 5-6**, under the chairmanship of Mr Alexandre Kholod (Switzerland), was established to deal with this agenda item.

## Annex 7

### Outline of the CPM-11 Report to WRC-11

Section	Condensed agenda item	References	Agenda item
<b>CHAPTER 1</b>			
<b>MARITIME AND AERONAUTICAL ISSUES</b>			
1/1.3	to consider spectrum requirements and possible regulatory actions, including allocations, in order to support the safe operation of unmanned aircraft systems (UAS), based on the results of ITU-R studies, in accordance with Resolution <b>421 [COM6/8] (WRC-07)</b> ;	Resolution <b>421 [COM6/8] (WRC-07)</b>	1.3
1/1.4	to consider, based on the results of ITU-R studies, any further regulatory measures to facilitate introduction of new aeronautical mobile (R) service (AM(R)S) systems in the bands 112-117.975 MHz, 960-1 164 MHz and 5 000-5 030 MHz in accordance with Resolutions <b>413 (Rev.WRC-07), 417 [COM4/5] (WRC-07)</b> and <b>420 [COM4/9] (WRC-07)</b> ;	Resolution <b>413 (Rev.WRC-07)</b> Resolution <b>417 [COM4/5] (WRC-07)</b> Resolution <b>420 [COM4/9] (WRC-07)</b>	1.4
1/1.9	to revise frequencies and channelling arrangements of Appendix 17 to the Radio Regulations, in accordance with Resolution <b>351 (Rev.WRC-07)</b> , in order to implement new digital technologies for the maritime mobile service;	Resolution <b>351 (Rev.WRC-07)</b>	1.9
1/1.10	to examine the frequency allocation requirements with regard to operation of safety systems for ships and ports and associated regulatory provisions, in accordance with Resolution <b>357 [COM6/10] (WRC-07)</b> ;	Resolution <b>357 [COM6/10] (WRC-07)</b>	1.10
<b>CHAPTER 2</b>			
<b>RADIOLOCATION AND AMATEUR ISSUES</b>			
2/1.14	to consider requirements for new applications in the radiolocation service and review allocations or regulatory provisions for implementation of the radiolocation service in the range 30-300 MHz, in accordance with Resolution <b>611 [COM6/14] (WRC-07)</b> ;	Resolution <b>611 [COM6/14] (WRC-07)</b>	1.14
2/1.15	to consider possible allocations in the range 3-50 MHz to the radiolocation service for oceanographic radar applications, taking into account the results of ITU-R studies, in accordance with Resolution <b>612 [COM6/15] (WRC-07)</b> ;	Resolution <b>612 [COM6/15] (WRC-07)</b>	1.15
2/1.21	to consider a primary allocation to the radiolocation service in the band 15.4-15.7 GHz, taking into account the results of ITU-R studies, in accordance with Resolution <b>614 [COM6/19] (WRC-07)</b> ;	Resolution <b>614 [COM6/19] (WRC-07)</b>	1.21
2/1.23	to consider an allocation of about 15 kHz in parts of the band 415-526.5 kHz to the amateur service on a secondary basis, taking into account the need to protect existing services;	-	1.23
<b>CHAPTER 3</b>			
<b>FIXED, MOBILE AND BROADCASTING ISSUES</b>			
3/1.5	to consider worldwide/regional harmonization of spectrum for electronic news gathering (ENG), taking into account the results of ITU-R studies, in accordance with Resolution <b>954 [COM6/5] (WRC-07)</b> ;	Resolution <b>954 [COM6/5] (WRC-07)</b>	1.5
3/1.8	to consider the progress of ITU-R studies concerning the technical and regulatory issues relative to the fixed service in the bands between 71 GHz and 238 GHz, taking into account Resolutions <b>731 (WRC-2000)</b> and <b>732 (WRC-2000)</b> ;	Resolution <b>731 (WRC-2000)</b> Resolution <b>732 (WRC-2000)</b>	1.8

Section	Condensed agenda item	References	Agenda item
3/1.17	to consider results of sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3, in accordance with Resolution <b>749 [COM4/13] (WRC-07)</b> , to ensure the adequate protection of services to which this frequency band is allocated, and take appropriate action;	Resolution <b>749 [COM4/13]</b>	1.17
3/1.20	to consider the results of ITU-R studies and spectrum identification for gateway links for high altitude platform stations (HAPS) in the range 5 850-7 075 MHz in order to support operations in the fixed and mobile services, in accordance with Resolution <b>734 (Rev.WRC-07)</b> ;	Resolution <b>734 (Rev.WRC-07)</b>	1.20
3/1.22	to examine the effect of emissions from short-range devices on radiocommunication services, in accordance with Resolution <b>953 [COM6/4] (WRC-07)</b> ;	Resolution <b>953 [COM6/4] (WRC-07)</b>	1.22
<b>CHAPTER 4</b> <b>SCIENCE ISSUES</b>			
4/1.6	to review No. <b>5.565</b> of the Radio Regulations in order to update the spectrum use by the passive services between 275 GHz and 3 000 GHz, in accordance with Resolution <b>950 (Rev.WRC-07)</b> , and to consider possible procedures for free-space optical-links, taking into account the results of ITU-R studies, in accordance with Resolution <b>955 [COM6/9] (WRC-07)</b> ;	Resolution <b>950 (Rev.WRC-07)</b> Resolution <b>955 [COM6/9] (WRC-07)</b>	1.6
4/1.11	to consider a primary allocation to the space research service (Earth-to-space) within the band 22.55-23.15 GHz, taking into account the results of ITU-R studies, in accordance with Resolution <b>753 [COM6/11] (WRC-07)</b> ;	Resolution <b>753 [COM6/11] (WRC-07)</b>	1.11
4/1.12	to protect the primary services in the band 37-38 GHz from interference resulting from aeronautical mobile service operations, taking into account the results of ITU-R studies, in accordance with Resolution <b>754 [COM6/12] (WRC-07)</b> ;	Resolution <b>754 [COM6/12] (WRC-07)</b>	1.12
4/1.16	to consider the needs of passive systems for lightning detection in the meteorological aids service, including the possibility of an allocation in the frequency range below 20 kHz, and to take appropriate action, in accordance with Resolution <b>671 [COM6/16] (WRC-07)</b> ;	Resolution <b>671 [COM6/16] (WRC-07)</b>	1.16
4/1.24	to consider the existing allocation to the meteorological-satellite service in the band 7 750-7 850 MHz with a view to extending this allocation to the band 7 850-7 900 MHz, limited to non-geostationary meteorological satellites in the space-to-Earth direction, in accordance with Resolution <b>672 [COM6/20] (WRC-07)</b> ;	Resolution <b>672 [COM6/20] (WRC-07)</b>	1.24
<b>CHAPTER 5</b> <b>SATELLITE ISSUES</b>			
5/1.7	to consider the results of ITU-R studies in accordance with Resolution <b>222 (Rev.WRC-07)</b> in order to ensure long-term spectrum availability and access to spectrum necessary to meet requirements for the aeronautical mobile-satellite (R) service, and to take appropriate action on this subject, while retaining unchanged the generic allocation to the mobile-satellite service in the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz;	Resolution <b>222 (Rev.WRC-07)</b>	1.7
5/1.13	to consider the results of ITU-R studies in accordance with Resolution <b>551 [COM6/13] (WRC-07)</b> and decide on the spectrum usage of the 21.4-22 GHz band for the broadcasting-satellite service and the associated feeder-link bands in Regions 1 and 3;	Resolution <b>551 [COM6/13] (WRC-07)</b>	1.13



<b>Section</b>	<b>Condensed agenda item</b>	<b>References</b>	<b>Agenda item</b>
5/1.18	to consider extending the existing primary and secondary radiodetermination-satellite service (space-to-Earth) allocations in the band 2 483.5-2 500 MHz in order to make a global primary allocation, and to determine the necessary regulatory provisions based upon the results of ITU-R studies, in accordance with Resolution <b>613 [COM6/17] (WRC-07)</b> ;	Resolution <b>613 [COM6/17] (WRC-07)</b>	1.18
5/1.25	to consider possible additional allocations to the mobile-satellite service, in accordance with Resolution <b>231 [COM6/21] (WRC-07)</b> ;	Resolution <b>231 [COM6/21] (WRC-07)</b>	1.25
5/7	to consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks”, in accordance with Resolution <b>86 (Rev.WRC-07)</b> ;	Resolution <b>86 (WRC-07)</b>	7
<b>CHAPTER 6</b> FUTURE WORK PROGRAMME AND OTHER ISSUES			
6/1.2	taking into account the ITU-R studies carried out in accordance with Resolution <b>951 (Rev.WRC-07)</b> , to take appropriate action with a view to enhancing the international regulatory framework;	Resolution <b>951 (Rev.WRC-07)</b>	1.2
6/1.19	to consider regulatory measures and their relevance, in order to enable the introduction of software-defined radio and cognitive radio systems, based on the results of ITU-R studies, in accordance with Resolution <b>956 [COM6/18] (WRC-07)</b> ;	Resolution <b>956 [COM6/18] (WRC-07)</b>	1.19
6/2	to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution <b>28 (Rev.WRC-03)</b> , and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex 1 to Resolution <b>27 (Rev.WRC-07)</b> ;	Resolution <b>28 (Rev.WRC-03)</b> Annex to Resolution <b>27 (Rev.WRC-07)</b>	2
6/4	in accordance with Resolution <b>95 (Rev.WRC-07)</b> , to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;	Resolution <b>95 (Rev.WRC-07)</b>	4
6/8.1	to consider and approve the Report of the Director of the Radiocommunication Bureau	-	8.1
6/8.2	Progress of studies for future conferences	-	8.2

## Annex 8

### Allocation of ITU-R preparatory work for WRC-11

The attached Table contains allocation of ITU-R preparatory work for WRC-11 agenda items, as proposed in Resolution **805 [COM6/7] (WRC-07)**. It includes entries for the identification of the ITU-R “responsible groups” and “concerned groups” for the WRC-11 agenda items.

NOTE 1 – 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 the membership of ITU and the relevant ITU-R Study Groups.

NOTE 2 – The ITU-R Working Parties indicated in the following Table have been identified based on the ITU-R Study Group structure contained in Document CPM11-1/1, and are subject to review and approval by the respective Study Group at its next meeting.

NOTE 3 – The responsible groups are invited to communicate on a regular basis the progress and results of their studies to the concerned groups.

#### Allocation of ITU-R preparatory work for WRC-11

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.1 to consider and take appropriate action on 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 <b>26 (Rev.WRC-07)</b>			
Resolution <b>26 (Rev.WRC-07)</b>  Footnotes to the Table of Frequency Allocations in Article 5 of the Radio Regulations	-	Not in scope of the CPM	-

<sup>1</sup> A concerned ITU-R group may be either a contributing group on a specific item (indicated in bold), or an interested group (indicated between round brackets) that will follow the work on a specific issue and act as appropriate.

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.2 taking into account the ITU-R studies carried out in accordance with Resolution <b>951 (Rev.WRC-07)</b> , to take appropriate action with a view to enhancing the international regulatory framework;			
<p><b>Resolution 951 (Rev.WRC-07)</b></p> <p>Enhancing the international spectrum regulatory framework</p>	<p><b>WP 1B</b></p>	<p><i>resolves</i></p> <p>1 that, as a matter of urgency, taking into account Annexes 1 and 2, studies are to be continued by ITU-R, in order to develop concepts and procedures for enhancing the Radio Regulations to meet the demands of current, emerging and future radio applications, while taking into account existing services and usage;</p> <p>2 that the studies mentioned in <i>resolves</i> 1 shall be limited to general allocation or procedural issues relating to general spectrum management solutions, such as those already developed in Annex 1, in line with the process contained in Annex 2;</p> <p>3 to invite WRC-11 to take into consideration the results of these studies, including sharing and their impact on allocations in the concerned frequency bands, and take appropriate action in accordance with Annex 2,</p> <p><i>invites ITU-R</i></p> <p>to conduct the necessary studies in time for consideration by WRC-11 and in accordance with this Resolution,</p>	<p><b>SG 4,</b> <b>SG 5,</b> <b>SG 6,</b> <b>SG 7,</b> (SG 3)</p>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.3 to consider spectrum requirements and possible regulatory actions, including allocations, in order to support the safe operation of unmanned aircraft systems (UAS), based on the results of ITU-R studies, in accordance with Resolution 421 [COM6/8] (WRC-07);			
Resolution [COM6/8] (WRC-07)  Consideration of appropriate regulatory provisions for the operation of unmanned aircraft systems (UAS)	<b>WP 5B</b>	<p><i>resolves</i></p> <p>that WRC-11 consider, based on the results of ITU-R studies:</p> <ol style="list-style-type: none"> <li>1 the spectrum requirements and possible regulatory actions, including additional allocations, to support the remote pilot in commanding and controlling the unmanned aircraft systems and in relaying the air traffic control communications, as mentioned in <i>considering c</i>);</li> <li>2 the spectrum requirements and possible regulatory actions, including additional allocations, to support the safe operation of unmanned aircraft systems not covered by <i>resolves 1</i>, as mentioned in <i>considering d</i>),</li> </ol> <p><i>invites ITU-R</i></p> <ol style="list-style-type: none"> <li>1 to conduct in time for WRC-11 the necessary studies leading to technical, regulatory and operational recommendations to the Conference, enabling that Conference to decide on appropriate allocations for the operation of UAS;</li> <li>2 that the studies referred to in <i>invites ITU-R 1</i> should include sharing and compatibility studies with services already having allocations in those bands;</li> <li>3 to produce a report or a recommendation, as appropriate, on how to accommodate the radiocommunication requirements for UAS payloads,</li> </ol>	<b>WP 4A, WP 4C, (WP 7B), (WP 7C), (WP 7D)</b>

Allocation of ITU-R preparatory work for WRC-11

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
<p>1.4 to consider, based on the results of ITU-R studies, any further regulatory measures to facilitate introduction of new aeronautical mobile (R) service (AM(R)S) systems in the bands 112-117.975 MHz, 960-1 164 MHz and 5 000-5 030 MHz in accordance with Resolutions <b>413 (Rev.WRC-07)</b>, <b>417 [COM4/5] (WRC-07)</b> and <b>420 [COM4/9] (WRC-07)</b>;</p>			
<p>Resolution <b>413 (Rev.WRC-07)</b></p> <p>Use of the band 108-117.975 MHz by the aeronautical mobile (R) service</p>	<p><b>WP 5B</b></p>	<p><i>resolves</i></p> <p>1 that any aeronautical mobile (R) service systems operating in the band 108-117.975 MHz shall not cause harmful interference to, nor claim protection from ARNS systems operating in accordance with international aeronautical standards;</p> <p>2 that any AM(R)S systems planned to operate in the frequency band 108-117.975 MHz shall, as a minimum, meet the FM broadcasting immunity requirements contained in Annex 10 of the ICAO Convention on International Civil Aviation for existing aeronautical radionavigation systems operating in this frequency band;</p> <p>3 that AM(R)S systems operating in the band 108-117.975 MHz shall place no additional constraints on the broadcasting service or cause harmful interference to stations operating in the bands allocated to the broadcasting service in the frequency band 87-108 MHz and No. <b>5.43</b> does not apply to systems identified in <i>recognizing d</i>);</p> <p>4 that frequencies below 112 MHz shall not be used for AM(R)S systems excluding the ICAO systems identified in <i>recognizing d</i>);</p> <p>5 that any AM(R)S operating in the frequency band 108-117.975 MHz shall meet SARPs requirements published in Annex 10 of the ICAO Convention on International Civil Aviation;</p> <p>6 that WRC-11 should consider, based on the results of the ITU-R studies mentioned under <i>invites ITU-R</i>, any further regulatory measure to facilitate introduction of new AM(R)S systems,</p> <p><i>invites ITU-R</i></p> <p>1 to study any compatibility issues between the broadcasting and AM(R) services that may arise from the introduction of AM(R)S systems in the band 112-117.975 MHz, and to develop new or revised ITU-R Recommendations as appropriate;</p> <p>2 to study any compatibility issues between the broadcasting and AM(R) services in the band 108-117.975 MHz that may arise from the introduction of appropriate digital sound broadcasting systems, described in Recommendation ITU-R BS.1114, and to develop new or revised ITU-R Recommendations as appropriate;</p> <p>3 to report to WRC-11 on the results of these studies,</p>	<p><b>WP 4C,</b> <b>WP 6D,</b> (WP 3K)</p>

**Allocation of ITU-R preparatory work for WRC-11**

<b>Topic</b>	<b>Responsible group</b>	<b>Action to be taken by the group</b>	<b>Concerned group<sup>1</sup></b>
<p>Resolution [COM4/5] (WRC-07)</p> <p>Use of the band 960-1 164 MHz by the aeronautical mobile (R) service</p>	<p><b>WP 5B</b></p>	<p><i>resolves</i></p> <ol style="list-style-type: none"> <li>1 that any AM(R)S system operating in the frequency band 960-1 164 MHz shall meet SARPs requirements published in Annex 10 of the ICAO Convention on International Civil Aviation;</li> <li>2 that any AM(R)S systems operating in the band 960-1 164 MHz shall not cause harmful interference to, nor claim protection from, and shall not impose constraints on the operation and planned development of aeronautical radionavigation systems in the same band;</li> <li>3 that compatibility studies between AM(R)S systems operating in the band 960-1 164 MHz and ARNS systems in <i>considering f) and g)</i> need to be conducted to develop sharing conditions to ensure that the conditions of <i>resolves 2</i> are satisfied, and that ITU-R Recommendations are developed as appropriate;</li> <li>4 that the result of the studies pursuant to <i>resolves 3</i> shall be reported to WRC-11 and the decision should be taken by WRC-11 to review, if appropriate, regulatory provisions in <i>resolves 2</i> taking into account protection requirements of ARNS systems identified in <i>considering f) and g)</i> and the need for global facilitation of AM(R)S operating in accordance with ICAO standards;</li> <li>5 that frequencies in the band 960-1 164 MHz shall not be used by an AM(R)S system, except for the AM(R)S system identified in <i>recognizing c)</i>, until all potential compatibility issues with the ARNS and, as necessary, the radionavigation-satellite service (RNSS) in the adjacent band have been resolved, also taking into account <i>recognizing d)</i>,</li> </ol> <p><i>invites ITU-R</i></p> <ol style="list-style-type: none"> <li>1 to conduct studies in accordance with <i>resolves 3</i> and <i>5</i> on operational and technical means to facilitate sharing between AM(R)S systems operating in the band 960-1 164 MHz and ARNS systems identified in <i>considering f) and g)</i>;</li> <li>2 to conduct studies in accordance with <i>resolves 5</i> on operational and technical means to facilitate sharing between AM(R)S systems operating in the band 960-1 164 MHz and the RNSS operating in the band 1 164-1 215 MHz;</li> <li>3 to report the results of the studies to WRC-11,</li> </ol>	<p><b>WP 4C</b></p>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
<p>Resolution [COM4/9] (WRC-07)</p> <p>Consideration of the frequency bands between 5 000 and 5 030 MHz for aeronautical mobile (R) service surface applications at airports</p>	<p><b>WP 5B</b></p>	<p><i>resolves</i></p> <p>1 that ITU-R investigate, with priority, AM(R)S spectrum requirements for surface applications in the 5 GHz range, in order to determine if they can be fulfilled in the band 5 091-5 150 MHz;</p> <p>2 that ITU-R further investigate, if necessary, the feasibility of an allocation for AM(R)S for surface applications at airports, study the technical and operational issues relating to the protection of RNSS in the bands between 5 000 and 5 030 MHz and of the radio astronomy service in the band 4 990-5 000 MHz from AM(R)S, and develop appropriate Recommendations;</p> <p>3 that WRC-11 consider results of the above studies and take appropriate actions,</p>	<p><b>WP 4C,</b> <b>WP 7D,</b> (WP 3M)</p>
<p>1.5 to consider worldwide/regional harmonization of spectrum for electronic news gathering (ENG), taking into account the results of ITU-R studies, in accordance with Resolution 954 [COM6/5] (WRC-07);</p>			
<p>Resolution [COM6/5] (WRC-07)</p> <p>Harmonization of spectrum for use by terrestrial electronic news gathering systems</p>	<p><b>WP 5C</b></p> <p>NOTE – this work should be based on requirements developed by SG 6</p>	<p><i>resolves</i></p> <p>1 that, based on studies undertaken by ITU-R, WRC-11 should address the feasibility of achieving a satisfactory degree of worldwide/regional harmonization of spectrum for ENG use in terms of the frequency bands and tuning ranges;</p> <p>2 that methods should be identified for the possible harmonization of frequency bands and tuning ranges for ENG usage,</p> <p><i>invites ITU-R</i></p> <p>1 to carry out studies of ENG regarding possible solutions for global/regional harmonization in frequency bands and tuning ranges, taking into account:</p> <ul style="list-style-type: none"> <li>– available technologies to maximize efficient and flexible use of frequency;</li> <li>– system characteristics and operational practices which facilitate the implementation of these solutions;</li> </ul> <p>2 to include in the studies referred to above sharing and compatibility issues with services already having allocations in frequency bands and tuning ranges which have potential for ENG use;</p> <p>3 to propose operational measures to facilitate operation of ENG equipment consistent with global circulation of radiocommunication equipment, taking into account Recommendation ITU-R M.1637;</p> <p>4 to report the results of those studies to the World Radiocommunication Conference 2011,</p>	<p><b>WP 5A,</b> <b>WP 6D,</b> <b>WP 6G,</b> <b>WP 6X,</b> (WP 4A), (WP 4C), (WP 7B), (WP 7D)</p>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.6 to review No. <b>5.565</b> of the Radio Regulations in order to update the spectrum use by the passive services between 275 GHz and 3 000 GHz, in accordance with Resolution <b>950 (Rev.WRC-07)</b> , and to consider possible procedures for free-space optical-links, taking into account the results of ITU-R studies, in accordance with Resolution <b>955 [COM6/9] (WRC-07)</b> ;			
Resolution <b>950 (Rev.WRC-07)</b>  Consideration of the use of the frequencies between 275 and 3 000 GHz	<b>WP 1A</b> NOTE – this work should be based on requirements developed by SG 7	<i>resolves</i> 1 to review No. <b>5.565</b> of the Radio Regulations, excluding frequency allocations, in order to update the spectrum use between 275 GHz and 3 000 GHz by the passive services at WRC-11, taking into account the result of the ITU-R studies; 2 that administrations may submit for inclusion in the Master International Frequency Register details on systems which operate between 275 and 3 000 GHz and which may be recorded by the Radiocommunication Bureau under Nos. <b>8.4, 11.8</b> and <b>11.12</b> , <i>invites ITU-R</i> to conduct the necessary studies in time for consideration by WRC-11 with a view to the modification of No. <b>5.565</b> , including advice on the applications suitable for the band 275-3 000 GHz,	<b>WP 7C, WP 7D, (WP 3M)</b>
Resolution <b>[COM6/9] (WRC-07)</b>  Consideration of procedures for free-space optical links	<b>WP 1A</b>	<i>resolves</i> 1 to consider possible procedures for free-space optical links, taking into account the results of ITU-R studies covering at least sharing aspects with other services, a clear definition of the band limits and measures to be considered if allocations to various services in the Radio Regulations above 3 000 GHz are considered feasible, <i>invites ITU-R</i> to conduct the necessary studies in time for consideration by WRC-11.	<b>WP 5C, WP 7B, (WP 3M)</b>



**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
<p>1.7 to consider the results of ITU-R studies in accordance with Resolution <b>222 (Rev.WRC-07)</b> in order to ensure long-term spectrum availability and access to spectrum necessary to meet requirements for the aeronautical mobile-satellite (R) service, and to take appropriate action on this subject, while retaining unchanged the generic allocation to the mobile-satellite service in the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz;</p>			
<p><b>Resolution 222 (Rev.WRC-07)</b></p> <p>Use of the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz by the mobile-satellite service, and studies to ensure long-term spectrum availability for the aeronautical mobile-satellite (R) service</p>	<p><b>WP 4C</b></p>	<p><i>invites ITU-R</i></p> <p>to conduct, in time for consideration by WRC-11, the appropriate technical, operational and regulatory studies to ensure long-term spectrum availability for the aeronautical mobile-satellite (R) service (AMS(R)S) including;</p> <p>(i) to study, as a matter of urgency, the existing and future spectrum requirements of the aeronautical mobile-satellite (R) service;</p> <p>(ii) to assess whether the long-term requirements of the AMS(R)S can be met within the existing allocations with respect to No. <b>5.357A</b> while retaining unchanged the generic allocation for the mobile-satellite service in the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz, and without placing undue constraints on the existing systems operating in accordance with the Radio Regulations;</p> <p>(iii) to complete studies to determine the feasibility and practicality of technical or regulatory means, other than the coordination process referred to in <i>resolves</i> 1 or the means considered in Report ITU-R M.2073, in order to ensure adequate access to spectrum to accommodate the AMS(R)S requirements as referenced in <i>resolves</i> 3 above, while taking into account the latest technical advances in order to maximize spectral efficiency;</p> <p>(iv) if the assessment identified in <i>invites ITU-R</i> (i) and (ii) indicates that these requirements cannot be met, to study existing MSS allocations or possible new allocations only for satisfying the requirements of the aeronautical mobile satellite (R) service for communications with priority categories 1 to 6 of Article <b>44</b>, for global and seamless operation of civil aviation taking into account the need to avoid undue constraints on existing systems and other services,</p>	<p><b>WP 5C,</b> (WP 4B), (WP 7B), (WP 7C), (WP 7D)</p>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.8 to consider the progress of ITU-R studies concerning the technical and regulatory issues relative to the fixed service in the bands between 71 GHz and 238 GHz, taking into account Resolutions <b>731 (WRC-2000)</b> and <b>732 (WRC-2000)</b> ;			
<b>Resolution 731 (WRC-2000)</b>  Consideration by a future competent world radiocommunication conference of issues dealing with sharing and adjacent-band compatibility between passive and active services above 71 GHz	<b>WP 5C</b>	<i>invites ITU-R</i>  1 to continue its studies to determine if and under what conditions sharing is possible between active and passive services in the bands above 71 GHz, such as, but not limited to, 100-102 GHz, 116-122.25 GHz, 148.5-151.5 GHz, 174.8-191.8 GHz, 226-231.5 GHz and 235-238 GHz; 2 to study means of avoiding adjacent-band interference from space services (downlinks) into radio astronomy bands above 71 GHz; 3 to take into account the principles of burden-sharing to the extent practicable in their studies; 4 to complete the necessary studies when the technical characteristics of the active services in these bands are known; 5 to develop Recommendations specifying sharing criteria for those bands where sharing is feasible,	<b>WP 7C, WP 7D, (WP 1A), (WP 4A)</b>
<b>Resolution 732 (WRC-2000)</b>  Consideration by a future competent world radiocommunication conference of issues dealing with sharing between active services above 71 GHz	<b>WP 5C</b>	<i>resolves</i>  1 that appropriate measures should be taken to meet the spectrum requirements for active services for which the technology will be commercially available at a later time; 2 that sharing criteria be developed for co-primary active services in bands above 71 GHz; 3 that the sharing criteria developed should form the basis for a review of active service allocations above 71 GHz at a future competent conference, if necessary,  <i>invites ITU-R</i>  to complete 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 a future competent conference,	<b>WP 7B, (WP 1A), (WP 4A)</b>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.9 to revise frequencies and channelling arrangements of Appendix 17 to the Radio Regulations, in accordance with Resolution 351 (Rev.WRC-07), in order to implement new digital technologies for the maritime mobile service;			
<p>Resolution 351 (Rev.WRC-07)</p> <p>Review of the frequency and channel arrangements in the HF bands allocated to the maritime mobile service contained in Appendix 17 with a view to improving efficiency through the use of new digital technology by the maritime mobile service</p>	<p><b>WP 5B</b></p>	<p><i>resolves</i></p> <p>to invite WRC-11 to consider necessary changes to Appendix 17 in order to implement the use of new technology by MMS, in accordance with <i>invites ITU-R</i>,</p> <p><i>invites ITU-R</i></p> <p>to finalize studies currently ongoing:</p> <ul style="list-style-type: none"> <li>– to identify any necessary modifications to the frequency table contained within Appendix 17;</li> <li>– to identify any necessary transition arrangements 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>	<p>-</p>
1.10 to examine the frequency allocation requirements with regard to operation of safety systems for ships and ports and associated regulatory provisions, in accordance with Resolution 357 [COM6/10] (WRC-07);			
<p>Resolution [COM6/10] (WRC-07)</p> <p>Consideration of regulatory provisions and spectrum allocations for use by enhanced maritime safety systems for ships and ports</p>	<p><b>WP 5B</b></p>	<p><i>resolves</i></p> <ol style="list-style-type: none"> <li>1 that WRC-11 consider amendment to provisions of the Radio Regulations necessary to provide for the operation of ship and port security and maritime safety systems;</li> <li>2 that WRC-11 consider additional allocations to the maritime mobile service below 1 GHz to support the requirements identified in <i>resolves</i> 1;</li> <li>3 that WRC-11 consider additional allocations to the maritime mobile-satellite service in frequency bands allocated the maritime mobile service between 156-162.025 MHz to support the requirements identified in <i>resolves</i> 1,</li> </ol> <p><i>invites ITU-R</i></p> <ol style="list-style-type: none"> <li>1 to conduct, as a matter of urgency, studies to determine the spectrum requirements and potential frequency bands suitable to support ship and port security and enhanced maritime safety systems;</li> <li>2 that the studies referred to in <i>invites ITU-R</i> should include the applicability of spectrum efficient technologies, and sharing and compatibility studies with services already having allocations in potential spectrum for ship safety and port security systems,</li> </ol>	<p>(WP 5A), (WP 5C), (WP 7B), (WP 7C), (WP 7D)</p>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.11 to consider a primary allocation to the space research service (Earth-to-space) within the band 22.55-23.15 GHz, taking into account the results of ITU-R studies, in accordance with Resolution 753 [COM6/11] (WRC-07);			
Resolution [COM6/11] (WRC-07)  Use of the band 22.55-23.15 GHz by the space research service	<b>WP 7B</b>	<p><i>resolves</i></p> <p>1 to invite ITU-R to conduct sharing studies between space research service systems operating in the Earth-to-space direction and the fixed, inter-satellite and mobile services in the band 22.55-23.15 GHz, to recommend appropriate sharing criteria for an allocation to the space research service in the Earth-to-space direction;</p> <p>2 to invite WRC-11 to review the results of the studies under <i>resolves</i> 1 and consider the inclusion of the sharing criteria within the Radio Regulations and appropriate modifications to the Table of Frequency Allocations,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies, as a matter of urgency, taking into account the present use of the allocated band, 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,</p>	<b>WP 4A, WP 5C, (WP 3M), (WP 5A)</b>
1.12 to protect the primary services in the band 37-38 GHz from interference resulting from aeronautical mobile service operations, taking into account the results of ITU-R studies, in accordance with Resolution 754 [COM6/12] (WRC-07);			
Resolution [COM6/12] (WRC-07)  Consideration of modification of the aeronautical component of the mobile service allocation in the 37-38 GHz band for protection of other primary services in the band	<b>WP 7B</b>	<p><i>resolves</i></p> <p>1 to invite ITU-R to conduct appropriate studies involving the aeronautical mobile service and the affected primary services in the band 37-38 GHz in order to determine the compatibility of the aeronautical mobile service with these other services;</p> <p>2 to invite WRC-11 to review the results of the studies under <i>resolves</i> 1 and consider the inclusion of any appropriate compatibility criteria within the Radio Regulations or appropriate modifications to the Table of Frequency Allocations,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies, as a matter of urgency, taking into account the present use of the allocated band, 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,</p>	<b>WP 4A, WP 5B, WP 5C, (WP 5A)</b>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.13 to consider the results of ITU-R studies in accordance with Resolution <b>551 [COM6/13] (WRC-07)</b> and decide on the spectrum usage of the 21.4-22 GHz band for the broadcasting-satellite service and the associated feeder-link bands in Regions 1 and 3;			
Resolution <b>[COM6/13] (WRC-07)</b>  Use of the band 21.4-22 GHz for broadcasting-satellite service and associated feeder-link bands in Regions 1 and 3	<b>WP 4A</b>	<p><i>resolves</i></p> <p>1 that ITU-R continue technical and regulatory studies on harmonization of spectrum usage, including planning methodologies, coordination procedures or other procedures, and BSS technologies, in preparation for WRC-11, in the 21.4-22 GHz band and the associated feeder-link bands in Regions 1 and 3, taking into account <i>considering h) and i)</i>;</p> <p>2 that WRC-11 review the results of the study and decide the usage of the 21.4-22 GHz band and the associated feeder-link bands in Regions 1 and 3,</p>	<b>WP 5C,</b> <b>WP 6X,</b> (WP 3M), (WP 4B), (WP 6D), (WP 5A), (WP 6G), (WP 7D)
1.14 to consider requirements for new applications in the radiolocation service and review allocations or regulatory provisions for implementation of the radiolocation service in the range 30-300 MHz, in accordance with Resolution <b>611 [COM6/14] (WRC-07)</b> ;			
Resolution <b>[COM6/14] (WRC-07)</b>  Use of portion of the VHF band by the radiolocation service	<b>WP 5B</b>	<p><i>resolves</i></p> <p>1 to consider at WRC-11 a primary allocation to the radiolocation service in the portion of the band 30-300 MHz for the implementation of new applications in the radiolocation service, with bandwidth no larger than 2 MHz, taking into account the results of ITU-R studies;</p> <p>2 that introduction of new systems in the radiolocation service shall be avoided in the frequency bands 156.4875-156.8375 MHz and 161.9625-162.0375 MHz, which are used by distress and safety applications in maritime mobile service,</p> <p><i>invites ITU-R</i></p> <p>1 to continue to study, as a matter of urgency, the technical characteristics, protection criteria, and other factors to ensure that radiolocation systems can operate compatibly with systems operating in accordance with the Table in service in the 30-300 MHz frequency range band;</p> <p>2 to include the results of the above studies in one or more new or existing ITU-R Recommendations, if appropriate;</p> <p>3 to complete these studies in time for WRC-11,</p>	(WP 3L), (WP 5A), (WP 5C), (WP 7B), (WP 7D)

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
<p>1.15 to consider possible allocations in the range 3-50 MHz to the radiolocation service for oceanographic radar applications, taking into account the results of ITU-R studies, in accordance with Resolution <b>612 [COM6/15] (WRC-07)</b>;</p>			
<p>Resolution <b>[COM6/15] (WRC-07)</b></p> <p>Use of the radiolocation service between 3 and 50 MHz to support high-frequency oceanographic radar operations</p>	<p><b>WP 5B</b></p>	<p><i>resolves</i></p> <p>1 to invite ITU-R to identify high-frequency oceanographic radar system applications between 3 and 50 MHz band, including bandwidth requirements, appropriate portions of this band for these applications, and other characteristics necessary to conduct sharing studies;</p> <p>2 to invite ITU-R to conduct sharing analyses between the radiolocation service applications identified under <i>resolves</i> 1 and incumbent services in the bands identified to be suitable for the operation of high-frequency oceanographic radar systems;</p> <p>3 that, if compatibility with existing services is confirmed under <i>resolves</i> 2, to recommend that WRC-11 consider allocations to the radiolocation service in several suitable bands between 3 and 50 MHz, as determined in the ITU-R studies, each band not exceeding 600 kHz, for operation of oceanographic radars,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies, as a matter of urgency, taking into account the present use of the allocated band, with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of WRC-11,</p>	<p><b>WP 5C,</b> <b>WP 6D,</b> (WP 5A), (WP 7B), (WP 7D)</p>
<p>1.16 to consider the needs of passive systems for lightning detection in the meteorological aids service, including the possibility of an allocation in the frequency range below 20 kHz, and to take appropriate action, in accordance with Resolution <b>671 [COM6/16] (WRC-07)</b>;</p>			
<p>Resolution <b>[COM6/16] (WRC-07)</b></p> <p>Recognition of systems in the meteorological aids service in the frequency range below 20 kHz</p>	<p><b>WP 7C</b></p>	<p><i>resolves</i></p> <p>1 to invite ITU-R to conduct, and complete in time for WRC-11, the required studies leading to technical and procedural recommendations to the Conference enabling it to decide on an appropriate method of providing recognition to long-established systems, including the possibility of making an allocation to the meteorological aids service in the frequency range below 20 kHz;</p> <p>2 that the studies referred to in <i>resolves</i> 1, without placing constraints on existing services operating in accordance with the Radio Regulations, shall include sharing and compatibility studies with services already having allocations in potential spectrum for systems in the meteorological aids service taking into account the needs of other services,</p>	<p>(WP 3L), (WP 5B), (WP 5C), (WP 7A)</p>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.17 to consider results of sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3, in accordance with Resolution <b>749 [COM4/13] (WRC-07)</b> , to ensure the adequate protection of services to which this frequency band is allocated, and take appropriate action;			
Resolution <b>[COM4/13] (WRC-07)</b>  Studies on the use of the band 790-862 MHz by mobile applications and by other services	<b>JTG 5-6</b>	<i>resolves</i> 1 to invite ITU-R to conduct sharing studies for Regions 1 and 3 in the band 790-862 MHz between the mobile service and other services in order to protect the services to which the frequency band is currently allocated; 2 to invite ITU-R to report the results of these studies for consideration by WRC-11 and appropriate action,	See Annex 10 of this Administrative Circular
1.18 to consider extending the existing primary and secondary radiodetermination-satellite service (space-to-Earth) allocations in the band 2 483.5-2 500 MHz in order to make a global primary allocation, and to determine the necessary regulatory provisions based upon the results of ITU-R studies, in accordance with Resolution <b>613 [COM6/17] (WRC-07)</b> ;			
Resolution <b>[COM6/17] (WRC-07)</b>  Global primary allocation to the radiodetermination-satellite service in the frequency band 2 483.5-2 500 MHz (space-to-Earth)	<b>WP 4C</b>	<i>resolves to invite ITU-R</i> to conduct, and complete in time for WRC-11, the appropriate technical, operational and regulatory studies leading to technical and procedural recommendations to the Conference enabling it to decide whether a global primary allocation for the radiodetermination-satellite service in the frequency band 2 483.5-2 500 MHz (space-to-Earth) is compatible with other services in the band,	<b>WP 5A,</b> <b>WP 5B,</b> <b>WP 5C,</b> (WP 3L), (WP 4A)
1.19 to consider regulatory measures and their relevance, in order to enable the introduction of software-defined radio and cognitive radio systems, based on the results of ITU-R studies, in accordance with Resolution <b>956 [COM6/18] (WRC-07)</b> ;			
Resolution <b>[COM6/18] (WRC-07)</b>  Regulatory measures and their relevance to enable the introduction of software-defined radio and cognitive radio systems	<b>WP 1B</b>	<i>resolves to invite ITU-R</i> 1 to study whether there is a need for regulatory measures related to application of cognitive radio system technologies; 2 to study whether there is a need for regulatory measures related to the application of software-defined radio,	<b>SG 3,</b> <b>SG 4,</b> <b>SG 5,</b> <b>SG 6,</b> <b>SG 7</b>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.20 to consider the results of ITU-R studies and spectrum identification for gateway links for high altitude platform stations (HAPS) in the range 5 850-7 075 MHz in order to support operations in the fixed and mobile services, in accordance with Resolution <b>734 (Rev.WRC-07)</b> ;			
Resolution <b>734 (Rev.WRC-07)</b>  Studies for spectrum identification for gateway links for high altitude platform stations in the range from 5 850 to 7 075 MHz	<b>WP 5C</b>	<p><i>resolves</i></p> <p>1 to invite ITU-R to extend the sharing studies, with a view to identifying two channels of 80 MHz each for gateway links for HAPS in the range from 5 850 to 7 075 MHz, in bands already allocated to the fixed service, while ensuring the protection of existing services;</p> <p>2 to recommend to WRC-11 to review the results of studies, with a view to taking an appropriate decision for the deployment of HAPS gateway links to service the relevant stratospheric base station operations and support for these networks,</p>	<b>WP 4A,</b> (WP 3M), (WP 5A), (WP 5B), (WP 7B), (WP 7C)
1.21 to consider a primary allocation to the radiolocation service in the band 15.4-15.7 GHz, taking into account the results of ITU-R studies, in accordance with Resolution <b>614 [COM6/19] (WRC-07)</b> ;			
Resolution <b>[COM6/19] (WRC-07)</b>  Use of the band 15.4-15.7 GHz by the radiolocation service	<b>WP 5B</b>	<p><i>resolves</i></p> <p>to consider at WRC-11 a primary allocation to the radiolocation service in the band 15.4-15.7 GHz, taking into account the results of ITU-R studies,</p> <p><i>invites ITU-R</i></p> <p>1 to study, as a matter of urgency, the technical characteristics, protection criteria, and other factors to ensure that radiolocation systems can operate compatibly with systems in the aeronautical radionavigation and fixed-satellite services in the band 15.4-15.7 GHz, taking account of the safety nature of the aeronautical radionavigation service;</p> <p>2 to study, as a matter of urgency, the compatibility between the radiolocation service in the band 15.4-15.7 GHz and RAS in the adjacent band 15.35-15.40 GHz;</p> <p>3 to include the results of the above studies in one or more new or existing ITU-R Recommendations;</p> <p>4 to complete these studies in time for WRC-11.</p>	<b>WP 4A,</b> (WP 3M), (WP 7D)



**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.22 to examine the effect of emissions from short-range devices on radiocommunication services, in accordance with Resolution <b>953 [COM6/4] (WRC-07)</b> ;			
Resolution <b>[COM6/4] (WRC 07)</b>  Protection of radiocommunication services from emissions by short-range radio devices	<b>WP 1A</b>	<p><i>resolves</i></p> <p>that, to ensure that radiocommunication services are adequately protected, further studies are required on the emissions from SRDs, inside and outside the frequency bands designated in the Radio Regulations for ISM applications,</p> <p><i>invites ITU-R</i></p> <p>to study emissions from SRDs, in particular RFIDs, inside and outside the frequency bands designated in the Radio Regulations for ISM applications to ensure adequate protection of radiocommunication services,</p>	<b>SG 3, SG 4, SG 5, SG 6, SG 7</b>
1.23 to consider an allocation of about 15 kHz in parts of the band 415-526.5 kHz to the amateur service on a secondary basis, taking into account the need to protect existing services;			
	<b>WP 5A</b>	an allocation of about 15 kHz in part of the band 415-526.5 kHz to the amateur service on a secondary basis	(WP 5B), (WP 5C), (WP 6D)
1.24 to consider the existing allocation to the meteorological-satellite service in the band 7 750-7 850 MHz with a view to extending this allocation to the band 7 850-7 900 MHz, limited to non-geostationary meteorological satellites in the space-to-Earth direction, in accordance with Resolution <b>672 [COM6/20] (WRC-07)</b> ;			
Resolution <b>[COM6/20] (WRC-07)</b>  Extension of the allocation to the meteorological-satellite service of the band 7 750-7 850 MHz	<b>WP 7B</b>	<p><i>resolves</i></p> <p>1 to invite ITU-R to conduct sharing analyses between non-geostationary meteorological satellites operating in the space-to-Earth direction and the fixed and mobile services in the band 7 850-7 900 MHz with a view to extending the current allocation in the space-to-Earth direction to this band;</p> <p>2 to recommend that WRC-11 review the results of the studies under <i>resolves</i> 1;</p> <p>3 to make appropriate modifications to the Table of Frequency Allocations with respect to <i>resolves</i> 1, based on proposals from administrations,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies, taking into account the present use of allocated bands, with a view to presenting its results to WRC-11,</p>	<b>WP 5C, (WP 5A), (WP 5B)</b>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
1.25 to consider possible additional allocations to the mobile-satellite service, in accordance with Resolution <b>231 [COM6/21] (WRC-07)</b> ;			
Resolution <b>[COM6/21] (WRC-07)</b>  Additional allocations to the mobile-satellite service with particular focus on the bands between 4 GHz and 16 GHz	<b>WP 4C</b>	<i>resolves to invite ITU-R</i> to complete, for WRC-11, studies of possible bands for new allocations to the mobile-satellite service in the Earth-to-space and space-to-Earth directions, with particular focus on the range 4 GHz to 16 GHz, taking into account sharing and compatibility, without placing undue constraints on existing services in this band,	<b>SG 1, SG 3, SG 5, SG 6, SG 7</b>
2 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution <b>28 (Rev.WRC-03)</b> , and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex 1 to Resolution <b>27 (Rev.WRC-07)</b> ;			
Resolution <b>28 (Rev.WRC-03)</b>  Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations	<b>CPM11-2</b>	<i>instructs 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 <b>27 (Rev.WRC-07)</b>  Use of incorporation by reference in the Radio Regulations	<b>CPM11-2</b>	<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 suggestions on any further action to the second session of the Conference Preparatory Meeting (CPM) for its consideration, as well as for inclusion in the Director's Report to the next WRC; 3 to identify the provisions and footnotes of the Radio Regulations containing references to WRC Resolutions that contain references to ITU-R Recommendations, and make suggestions on any further action to the second session of the Conference Preparatory Meeting (CPM) for its consideration, as well as for inclusion in the Director's Report to the next WRC,	-

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
<p>4 in accordance with Resolution <b>95 (Rev.WRC-07)</b>, to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;</p>			
<p><b>Resolution 95 (Rev.WRC-07)</b>  General review of the Resolutions and Recommendations of world administrative radio conferences and world radiocommunication conferences</p>	<p><b>CPM11-2</b></p>	<p><i>instructs the Director of the Radiocommunication Bureau</i></p> <p>1 to conduct a general review of the Resolutions and Recommendations of previous conferences and, after consultation with the Radiocommunication Advisory Group and the Chairmen and Vice-Chairmen of the Radiocommunication Study Groups, submit a report to the second session of the Conference Preparatory Meeting (CPM) in respect of <i>resolves</i> 1 and <i>resolves</i> 2, including an indication of any associated agenda items;</p> <p>2 to include in the above report, with the cooperation of the chairmen of the 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,</p> <p><i>invites the Conference Preparatory Meeting</i></p> <p>to include, in its Report, the results of the general review of the Resolutions and Recommendations of previous conferences, based on the contributions by administrations to CPM, in order to facilitate the follow-up by future WRCs,</p>	<p>-</p>
<p>7 to consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks”, in accordance with Resolution <b>86 (Rev.WRC-07)</b>;</p>			
<p><b>Resolution 86 (Rev.WRC-07)</b>  Implementation of Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference</p>	<p><b>WP 4A</b> (technical aspects)  <b>SC</b> (regulatory and procedural aspects)</p>	<p><i>resolves to invite future world radiocommunication conferences</i></p> <p>1 to consider any proposals which deal with deficiencies and improvements in the advance publication, coordination, notification and recording procedures of the Radio Regulations for frequency assignments pertaining to 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 Radiocommunication Bureau, as appropriate;</p> <p>2 to ensure that these procedures, and the related appendices of the Radio Regulations reflect the latest technologies, as far as possible,</p>	<p><b>WP 7B,</b> <b>WP 7C,</b> (WP 4C)</p>

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>1</sup>
8.1 to consider and approve the Report of the Director of the Radiocommunication Bureau:			
8.1.1 on the activities of the Radiocommunication Sector since WRC-07;			
<p>Issue A: Protection of radiocommunication services against interference</p> <p><b>Resolution 63 (Rev.WRC-07)</b></p> <p>Protection of radiocommunication services against interference caused by radiation from industrial, scientific and medical (ISM) equipment</p>	<p><b>SG 1</b></p>	<p><i>resolves</i></p> <p>that, to ensure that radiocommunication services are adequately protected, studies are required on the limits to be imposed on the radiation from ISM equipment within the frequency bands designated in the Radio Regulations for this use and outside of those bands,</p> <p><i>invites ITU-R</i></p> <p>to continue, in collaboration with CISPR, its studies relating to radiation from ISM equipment within the frequency bands designated in the Radio Regulations for this use and outside of those bands in order to ensure adequate protection of radiocommunication services, with priority being given to the completion of studies which would permit CISPR to define limits in Publication CISPR 11 on radiation from ISM equipment inside all the bands designated in the Radio Regulations for the use of such equipment,</p> <p><i>instructs the Director of the Radiocommunication Bureau</i></p> <p>1 to bring this Resolution to the attention of CISPR;</p> <p>2 to provide the results of these studies to WRC-11 for its consideration.</p>	
<p>Issue B: Updating of the “Remarks” columns in the Tables of Article 9A of Appendix 30A and Article 11 of Appendix 30 to the Radio Regulations</p> <p><b>Resolution 547 (Rev.WRC-07)</b></p> <p>Updating of the “Remarks” columns in the Tables of Article 9A of Appendix 30A and Article 11 of Appendix 30 of the Radio Regulations</p>	<p><b>SG 4</b></p>	<p><i>resolves</i></p> <p>that, in order to reduce the number of affected and affecting administrations or networks, the Bureau shall carry out the required analyses following any changes in the characteristics and any suppression of assignments contained in Tables 1A and 1B of Article 9A of Appendix 30A and in Tables 2, 3 and 4 of Article 11 of Appendix 30,</p> <p><i>instructs the Director of the Radiocommunication Bureau</i></p> <p>to report to WRC-11 and subsequent world radiocommunication conferences on the results of the implementation of this Resolution, with a view to updating the “Remarks” columns in the Tables of Article 9A of Appendix 30A and Article 11 of Appendix 30 as well as the Tables, contained in the same Articles, that specify affected or affecting networks, terrestrial stations or beams of administrations.</p>	

**Allocation of ITU-R preparatory work for WRC-11**

<b>Topic</b>	<b>Responsible group</b>	<b>Action to be taken by the group</b>	<b>Concerned group<sup>1</sup></b>
Issue C: Earth observation applications  Resolution [COM6/23] (WRC-07)  Radiocommunication use for Earth observation applications	<b>SG 7</b>	<i>resolves to invite ITU-R</i> to carry out studies on possible means to improve the recognition of the essential role and global importance of Earth observation radiocommunications applications and the knowledge and understanding of administrations regarding the utilization and benefits of these applications,  <i>instructs the Director of the Radiocommunication Bureau</i> to include the results of these studies in his Report to WRC-11 for the purposes of considering adequate actions in response to <i>resolves to invite ITU-R</i> above, noting that neither new allocations nor additional protection would be objectives of such studies,	
8.1.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and			
8.1.3 on action in response to Resolution <b>80 (Rev.WRC-07)</b>			
Resolution <b>80 (Rev.WRC-07)</b>  Due diligence in applying the principles embodied in the Convention	-	1 to instruct the Radiocommunication Sector, in accordance with No. 1 of Article 12 of the Constitution, to carry out studies on procedures for measurement and analysis of the application of the basic principles contained in Article 44 of the Constitution;  2 to instruct the RRB to consider and review possible draft recommendations and draft provisions linking the formal notification, coordination and registration procedures with the principles contained in Article 44 of the Constitution and No. <b>0.3</b> of the Preamble to the Radio Regulations, and to report to each future World Radiocommunication Conference with regard to this Resolution;  3 to instruct the Director of the Radiocommunication Bureau to submit to each future World Radiocommunication Conference a detailed progress report on the action taken on this Resolution.	<b>SG 4</b>

## Annex 9

### Allocation of ITU-R preparatory work for WRC-15

The attached Table contains allocation of ITU-R preparatory work for WRC-15 preliminary agenda items, as proposed in Resolution **806 [COM6/22] (WRC-07)**. It includes entries for the identification of the ITU-R “responsible groups” and “concerned groups” for the WRC-11 agenda items.

NOTE 1 – 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 the membership of ITU and the relevant ITU-R Study Groups.

NOTE 2 – The ITU-R Working Parties indicated in the following Table have been identified based on the ITU-R Study Group structure contained in Document CPM11-1/1, and are subject to review and approval by the respective Study Group at its next meeting.

NOTE 3 – The responsible groups are invited to communicate on a regular basis the progress and results of their studies to the concerned groups.

#### Allocation of ITU-R preparatory work for WRC-15

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>2</sup>
1		to take appropriate action in respect of those urgent issues that were specifically requested by WRC-11;	
2		on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-11, to consider and take appropriate action in respect of the following items:	
2.1		to consider spectrum requirements and possible additional spectrum allocations in the radiodetermination service to support the operation of unmanned aerial systems (UAS) in non-segregated airspace;	
	<b>WP 5B</b>	spectrum requirements and possible additional spectrum allocations in the radiodetermination service to support the operation of unmanned aerial systems (UAS) in non-segregated airspace	-

<sup>2</sup> A concerned ITU-R 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.

**Allocation of ITU-R preparatory work for WRC-15**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>2</sup>
2.2 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 <b>114 (Rev.WRC-03)</b> ;			
<p><b>Resolution 114 (Rev.WRC-03)</b> Studies on compatibility between new systems of the aeronautical radionavigation service and the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the mobile-satellite service) in the frequency band 5 091-5 150 MHz</p>	<p><b>WP 4A</b></p>	<p><i>resolves</i></p> <p>1 that administrations authorizing stations providing feeder links for non-GSO systems in the MSS in the frequency band 5 091-5 150 MHz shall ensure that they do not cause harmful interference to stations of the aeronautical radionavigation service;</p> <p>2 that the allocation to the aeronautical radionavigation service and the FSS in the frequency band 5 091-5 150 MHz should be reviewed at a future competent conference prior to 2018;</p> <p>3 that studies be undertaken on compatibility between new systems of the aeronautical radionavigation service and systems of the FSS providing feeder links of the non-GSO systems in the MSS (Earth-to-space),</p> <p><i>invites ITU-R</i></p> <p>to study the technical and operational issues relating to sharing of this band between new systems of the aeronautical radionavigation service and the FSS providing feeder links of the non-GSO systems in the MSS (Earth-to-space),</p>	<p>-</p>
3 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution <b>28 (Rev.WRC-03)</b> , 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 <b>27 (Rev.WRC-07)</b> ;			
<p><b>Resolution 28 (Rev.WRC-03)</b> Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations</p>	<p>-</p>	<p><i>instructs the Director of the Radiocommunication Bureau</i></p> <p>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,</p>	<p>-</p>

**Allocation of ITU-R preparatory work for WRC-15**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>2</sup>
<p><b>Resolution 27 (Rev.WRC-07)</b> Use of incorporation by reference in the Radio Regulations</p>	-	<p><i>instructs the Director of the Radiocommunication Bureau</i></p> <p>1 to bring this Resolution to the attention of the Radiocommunication Assembly and the ITU-R Study Groups;</p> <p>2 to identify the provisions and footnotes of the Radio Regulations containing references to ITU-R Recommendations and make suggestions on any further action to the second session of the Conference Preparatory Meeting (CPM) for its consideration, as well as for inclusion in the Director's Report to the next WRC;</p> <p>3 to identify the provisions and footnotes of the Radio Regulations containing references to WRC Resolutions that contain references to ITU-R Recommendations, and make suggestions on any further action to the second session of the Conference Preparatory Meeting (CPM) for its consideration, as well as for inclusion in the Director's Report to the next WRC,</p>	-
<p>4 to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the Conference;</p>			
<p>5 in accordance with Resolution 95 (Rev.WRC-07), to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;</p>			
<p><b>Resolution 95 (Rev.WRC-07)</b> General review of the Resolutions and Recommendations of world administrative radio conferences and world radiocommunication conferences</p>	-	<p><i>instructs the Director of the Radiocommunication Bureau</i></p> <p>1 to conduct a general review of the Resolutions and Recommendations of previous conferences and, after consultation with the Radiocommunication Advisory Group and the Chairmen and Vice-Chairmen of the Radiocommunication Study Groups, submit a report to the second session of the Conference Preparatory Meeting (CPM) in respect of <i>resolves</i> 1 and <i>resolves</i> 2, including an indication of any associated agenda items;</p> <p>2 to include in the above report, with the cooperation of the chairmen of the 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,</p> <p><i>invites the Conference Preparatory Meeting</i></p> <p>to include, in its Report, the results of the general review of the Resolutions and Recommendations of previous conferences, based on the contributions by administrations to CPM, in order to facilitate the follow-up by future WRCs,</p>	-
<p>6 to review, and take appropriate action on, the Report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention;</p>			
<p>7 to identify those items requiring urgent action by the Radiocommunication Study Groups;</p>			



**Allocation of ITU-R preparatory work for WRC-15**

Topic	Responsible group	Action to be taken by the group	Concerned group <sup>2</sup>
8 to consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks”, in accordance with Resolution <b>86 (Rev.WRC-07)</b> ;			
Resolution <b>86 (Rev.WRC-07)</b> Implementation of Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference	-	<p style="text-align: center;"><i>resolves to invite future world radiocommunication conferences</i></p> <p>1 to consider any proposals which deal with deficiencies and improvements in the advance publication, coordination, notification and recording procedures of the Radio Regulations for frequency assignments pertaining to 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 Radiocommunication Bureau, as appropriate;</p> <p>2 to ensure that these procedures, and the related appendices of the Radio Regulations reflect the latest technologies, as far as possible,</p>	-
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-11;			
9.2 to recommend to the Council items for inclusion in the agenda for the following WRC,			

## Annex 10

### Terms of reference of Joint Task Group 5-6

#### Studies on the use of the band 790-862 MHz by mobile applications and by other primary services

The first session of the Conference Preparatory Meeting for WRC-11 (CPM11-1),

*considering*

- a) that WRC-07 recommended to include in the agenda of WRC-11 (Agenda item 1.17) to consider the results of sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3, in accordance with Resolution [COM4/13] (WRC-07), to ensure the adequate protection of services to which the frequency band is allocated;
- b) that the band 790-862 MHz is currently allocated to the broadcasting, fixed, aeronautical radionavigation (No. 5.312) and mobile services on a primary basis;
- c) that No. 5.319 provides allocation in the band 790-862 MHz for mobile-satellite services on a secondary basis;
- d) that Resolution [COM4/13] (WRC-07) calls for conducting sharing studies for Regions 1 and 3 in the band 790-862 MHz between the mobile service and other services in order to protect the services to which the frequency band is currently allocated;
- e) that the GE06 Agreement contains provisions for the terrestrial broadcasting service and other terrestrial services, a Plan for digital TV, and the List of other primary terrestrial services;
- f) that it is necessary to adequately protect, *inter alia*, terrestrial television broadcasting and other systems in this band;
- g) that CPM11-1 established a Joint Task Group (JTG 5-6) to deal with WRC-11 Agenda item 1.17,

*decides that Joint Task Group 5-6 will*

conduct sharing studies for Regions 1 and 3 in the band 790-862 MHz between the mobile service and other services in order to protect the services to which the frequency band is currently allocated,

*further decides*

- 1** that the organization of the work of JTG 5-6 will be carried out, insofar as possible, by correspondence, making maximum use of modern means of communication;
- 2** that meetings of JTG 5-6 be scheduled with no overlap with regularly scheduled meetings of the relevant Working Parties of Study Groups 5 and 6, but may be scheduled at dates and locations near these Working Parties to facilitate participation by delegations;
- 3** that JTG 5-6 will not develop ITU-R Recommendations by itself. Any necessary Recommendations will be developed and adopted in the framework of either Study Group 5 or Study Group 6;

**4** that JTG 5-6 will not need to liaise the results of its studies to the other Working Parties, but may request any required information, such as technical characteristics and interference objectives, from the concerned Working Parties;

**5** that the work of JTG 5-6 will be completed according to the time schedule established by CPM11-1.

## **Annex 11**

### **Proposed detailed structure for the draft CPM Report to WRC-11**

See <http://www.itu.int/ITU-R/study-groups/docs/ties/rcpm-structure-report-wrc-11-end.doc>.

## Annex 12

### Organization of the work of the Special Committee (for information)

The Special Committee, chaired by Mr M. Ghazal (Lebanon, e-mail 1: [ghazal@ties.itu.int](mailto:ghazal@ties.itu.int), e-mail 2: [mghazal@intracom.net.lb](mailto:mghazal@intracom.net.lb)), will organize its work for this new study cycle for the preparation of WRC-11 in the following manner:

In order to be economically efficient, the Special Committee has created a Working Party of the Special Committee, chaired by Mr M. Ghazal, that will meet in English, without interpretations, for one week at the end of year 2008 and year 2009, and after the block meetings of the Study Groups in September, October and November.

The mandate of this Working Party is to prepare the work of the Special Committee with regard to the WRC-11 agenda items under the direct responsibility of the Special Committee and to communicate with the ITU-R groups responsible for the other WRC-11 agenda items, as identified at the first session of CPM-11, in order to give regulatory support on their preparatory work with respect to those other WRC-11 agenda items.

In order to improve the efficiency of this support to other Working Parties, the Special Committee nominated Rapporteurs for each agenda item with the responsibility to coordinate the regulatory support for that agenda item. This task has been provisionally given to the Vice-Chairmen of the Special Committee, as follows:

Mr R.J.S. Kushvaha (IND) (e-mail: <a href="mailto:rjs_kushvaha@rediffmail.com">rjs_kushvaha@rediffmail.com</a> )	WRC-11 Agenda items 1.3, 1.4, 1.10 (Chapter 1);
Mr T. Kadyrov (RUS) (e-mail: <a href="mailto:kadyrov@geyser.ru">kadyrov@geyser.ru</a> )	WRC-11 Agenda items 1.14, 1.15, 1.21, 1.23 (Chapter 2);
Mr L. Olson (USA) (e-mail: <a href="mailto:larry.olson@fcc.gov">larry.olson@fcc.gov</a> )	WRC-11 Agenda items 1.5, 1.8, 1.17, 1.20, 1.22 (Chapter 3);
Mr B. Soury-Lavergne (F) (e-mail: <a href="mailto:soury-lavergne@anfr.fr">soury-lavergne@anfr.fr</a> )	WRC-11 Agenda items 1.11, 1.12, 1.16, 1.24 (Chapter 4) and 1.2 (Chapter 6);
Mr T. Shafiee (IRN) (e-mail: <a href="mailto:shafiee@cra.ir">shafiee@cra.ir</a> )	WRC-11 Agenda items 1.7, 1.13, 1.18, 1.25, 7 (Chapter 5);
Mr J. Edane Nkwele (GAB) (e-mail: <a href="mailto:artel@inet.ga">artel@inet.ga</a> )	WRC-11 Agenda items 1.6 (Chapter 4) and 1.19, 2, 4 (Chapter 6);
Mr P.V. Giudici (CVA) (e-mail: <a href="mailto:dirtect@vatiradio.va">dirtect@vatiradio.va</a> )	WRC-11 Agenda items 1.9 (Chapter 1), 8.1, 8.2 (Chapter 6).

The Special Committee itself will meet at the end of year 2010 in order to review the regulatory part of the draft CPM Report prepared by the Working Parties and to complete the draft CPM Report with regard to agenda items of its own responsibility.

## Annex 13

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