

INTERNATIONAL TELECOMMUNICATION UNION



Radiocommunication Bureau

(Direct Fax N°. +41 22 730 57 85)

**Administrative Circular
CA/201**

19 March 2012

To Administrations of Member States of ITU and Radiocommunication Sector Members

Subject: Results of the first session of the Conference Preparatory Meeting for WRC-15 (CPM15-1)

Introduction

The World Radiocommunication Conference (Geneva, 2012) decided in its Resolutions 807 [COM6/6] and 808 [COM6/7] to recommend to the Council the agenda for the World Radiocommunication Conference 2015 (WRC-15) and a preliminary agenda for the World Radiocommunication Conference 2018 (WRC-18). These 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-12 is provided in Annex 3.

The Radiocommunication Assembly (RA-12), by its Resolution ITU-R 2-6 (<http://www.itu.int/pub/R-RES-R.2-6-2012>) reconfirmed the Conference Preparatory Meeting (CPM) and WRC-12 agreed that preparatory studies for WRC-15 are to be carried out by the CPM process.

First session of the Conference Preparatory Meeting for WRC-15 (CPM15-1)

CPM15-1 was held in Geneva from 20 to 21 February 2012. It organized the preparatory studies for WRC-15 and proposed a structure for its Report to WRC-15. Furthermore, the meeting nominated eight (8) Chapter Rapporteurs who will assist the Chairman in managing the development of the draft Report to WRC-15. With one exception, all the preparatory work, as agreed by CPM15-1, 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 4-5-6-7) was established to deal with complex issues related to WRC-15 Agenda items 1.1 and 1.2.

The results of CPM15-1 are contained in the following Annexes:

- Annex 4 Report on the first session of the Conference Preparatory Meeting for WRC-15 (CPM15-1)
- Annex 5 Chapter structure and working procedures for the CPM, in accordance with Resolution ITU-R 2-6
- Annex 6 Table of contents of the draft CPM Report to WRC-15
- Annex 7 Outline of the draft CPM Report to WRC-15
- Annex 8 Allocation of ITU-R preparatory work for WRC-15
- Annex 9 Allocation of ITU-R preparatory work for WRC-18
- Annex 10 CPM15-1 Decision on the establishment and terms of reference of Joint Task Group 4-5-6-7
- Annex 11 Proposed detailed structure for the draft CPM Report to WRC-15
- Annex 12 Organization of the work of the Special Committee
- Annex 13 List of mailing addresses of CPM-15 Chairman, Vice-Chairmen and Chapter Rapporteurs

François Rancy
Director, Radiocommunication Bureau

Distribution:

- Administrations of Member States of the ITU
- 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 807 [COM6/6] (WRC-12)

Agenda for the 2015 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 2012),

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 that 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 WRC-12 has identified a number of urgent issues requiring further examination by WRC-15;
- b) that, in preparing this agenda, some 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 2015 for a maximum period of four weeks, with the following agenda:

- 1 on the basis of proposals from administrations, taking account of the results of WRC-12 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 in respect of the following items:
 - 1.1 to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 [COM6/8] (WRC-12)**;
 - 1.2 to examine the results of ITU-R studies, in accordance with Resolution **232 [COM5/10] (WRC-12)**, on the use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and take the appropriate measures;
 - 1.3 to review and revise Resolution **646 (Rev.WRC-12)** for broadband public protection and disaster relief (PPDR), in accordance with Resolution **648 [COM6/11] (WRC-12)**;
 - 1.4 to consider possible new allocation to the amateur service on a secondary basis within the band 5 250-5 450 kHz in accordance with Resolution **649 [COM6/12] (WRC-12)**;
 - 1.5 to consider the use of frequency bands allocated to the fixed-satellite service not subject to Appendices **30, 30A and 30B** for the control and non-payload communications of unmanned aircraft systems (UAS) in non-segregated airspaces, in accordance with Resolution **153 [COM6/13] (WRC-12)**;

1.6 to consider possible additional primary allocations:

1.6.1 to the fixed-satellite service (Earth-to-space and space-to-Earth) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1;

1.6.2 to the fixed-satellite service (Earth-to-space) of 250 MHz in Region 2 and 300 MHz in Region 3 within the range 13-17 GHz;

and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolutions **151 [COM6/4] (WRC-12)** and **152 [COM6/5] (WRC-12)**, respectively;

1.7 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-geostationary mobile-satellite systems in the mobile-satellite service) in accordance with Resolution **114 (Rev.WRC-12)**;

1.8 to review the provisions relating to earth stations located on board vessels (ESVs), based on studies conducted in accordance with Resolution **909 [COM6/14] (WRC-12)**;

1.9 to consider, in accordance with Resolution **758 [COM6/15] (WRC-12)**:

1.9.1 possible new allocations to the fixed-satellite service in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space), subject to appropriate sharing conditions;

1.9.2 the possibility of allocating the bands 7 375-7 750 MHz and 8 025-8 400 MHz to the maritime-mobile satellite service and additional regulatory measures, depending on the results of appropriate studies;

1.10 to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution **234 [COM6/16] (WRC-12)**;

1.11 to consider a primary allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range, in accordance with Resolution **650 [COM6/17] (WRC-12)**;

1.12 to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution **651 [COM6/18] (WRC-12)**;

1.13 to review No. **5.268** with a view to examining the possibility for increasing the 5 km distance limitation and allowing space research service (space-to-space) use for proximity operations by space vehicles communicating with an orbiting manned space vehicle, in accordance with Resolution **652 [COM6/19] (WRC-12)**;

1.14 to consider the feasibility of achieving a continuous reference time-scale, whether by the modification of coordinated universal time (UTC) or some other method, and take appropriate action, in accordance with Resolution **653 [COM6/20] (WRC-12)**;

1.15 to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution **358 [COM6/3] (WRC-12)**;

1.16 to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution **360 [COM6/21] (WRC-12)**;

1.17 to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intra-communications (WAIC), in accordance with Resolution **423 [COM6/22] (WRC-12)**;

1.18 to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78.0 GHz frequency band in accordance with Resolution **654 [COM6/23] (WRC-12)**;

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 the principles contained in Annex 1 to Resolution **27 (Rev.WRC-12)**;

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, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86 (Rev.WRC-07)** to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;

8 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)**;

9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

9.1 on the activities of the Radiocommunication Sector since WRC-12;

9.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and

9.3 on action in response to Resolution **80 (Rev.WRC-07)**;

10 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, in accordance with Article 7 of the Convention,

resolves further

to activate the Conference Preparatory Meeting,

invites the Council

to finalize the agenda and arrange for the convening of WRC-15, 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-15,

instructs the Secretary-General

to communicate this Resolution to international and regional organizations concerned.

ANNEX 2

RESOLUTION 808 [COM6/7] (WRC-12)

Preliminary agenda for the 2018 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 2012),

considering

- a) that, in accordance with No. 118 of the ITU Convention, the general scope of the agenda for WRC-18 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-18:

- 1 to take appropriate action in respect of those urgent issues that were specifically requested by WRC-15;
- 2 on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-15, to consider and take appropriate action in respect of the following items:
 - 2.1 to consider regulatory actions, including spectrum allocations, to support GMDSS modernization and implementation of e-navigation in accordance with Resolution **359 [COM6/9] (WRC-12)**;
 - 2.2 to consider the appropriate regulatory procedures for notifying satellite networks needed to facilitate the deployment and operation of nano- and picosatellites, in accordance with Resolution **757 [COM6/10] (WRC-12)**;
- 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-12)**;
- 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, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86 (Rev.WRC-07)** to facilitate the rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;

9 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)**;

10 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

10.1 on the activities of the Radiocommunication Sector since WRC-15;

10.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and

10.3 on action in response to Resolution **80 (Rev.WRC-07)**;

11 to recommend to the Council items for inclusion in the agenda for the following WRC, in accordance with Article 7 of the Convention,

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-18,

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-12

Res. No.	Provisional No.	Res. No.	Provisional No.	Res. No.	Provisional No.
COM4/1	422	COM6/2	67	COM6/17	650
		COM6/3	358	COM6/18	651
COM5/1	907	COM6/4	151	COM6/19	652
COM5/2	908	COM6/5	152	COM6/20	653
COM5/3	150	COM6/6	807	COM6/21	360
COM5/4	755	COM6/7	808	COM6/22	423
COM5/5	756	COM6/8	233	COM6/23	654
COM5/6	552	COM6/9	359	COM6/24	154
COM5/7	553	COM6/10	757		
COM5/8	554	COM6/11	648	PLEN/1	957
COM5/9	555	COM6/12	649	PLEN/2	12
COM5/10	232	COM6/13	153		
COM5/11	11	COM6/14	909	Rec. No.	Provisional No.
		COM6/15	758	COM6/1	76
COM6/1	98	COM6/16	234	COM6/2	16

ANNEX 4

Report on the first session of the Conference Preparatory Meeting for WRC-15

The first session of the 2015 Conference Preparatory Meeting, CPM15-1, was held in Geneva on 20 and 21 February 2012, to organize and coordinate the conference preparatory studies for WRC-15, based on the outputs from WRC-12 (Final Acts) and the Radiocommunication Assembly 2012 (RA-12) Resolutions, in particular on Resolutions ITU-R 1-6, ITU-R 2-6 and ITU-R 38-4.

WRC-12, by its Resolution 807 [COM6/6] (WRC-12), activated the CPM to initiate preparation for WRC-15. The preparatory process shall be in conformity with Resolution ITU-R 2-6.

Two hundred and thirty-four participants from 66 Member States and 28 Sector Members, including the Chairmen of ITU-R Study Groups 1, 4, 5, 6 and 7, attended the meeting.

In accordance with *resolves* 2 of Resolution ITU-R 38-4, the Special Committee (SC) was activated. The organization of the work of the SC was provided by the SC Chairman for information and noted (see Annex 12).

Following thorough consideration of twenty other contributions, the structure of the draft CPM Report and the working procedures were agreed (see Annex 5) together with the table of contents, the Chapter structure and the outline of the draft CPM Report to WRC-15 (see Annexes 6 and 7).

The allocation of preparatory work was based on the ITU-R Study Group structure, as contained in Document CPM15-1/1. For each WRC-15 agenda item or issue, 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, a Joint Task Group 4-5-6-7 (JTG 4-5-6-7), under the chairmanship of Mr Thomas Ewers (Germany), has been established to carry out preparatory studies on WRC-15 Agenda items 1.1 and 1.2 (see the CPM15-1 Decision in Annex 10).

The JTG 4-5-6-7 Vice-Chairmen are to be determined by the Joint Task Group itself.

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

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 apply the guidelines described in Annex 2 to Resolution ITU-R 2-6 and 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 dates of the second session of CPM-15 (CPM15-2), as well as the agreed deadline (i.e. 14 calendar days prior to the start of the meeting for documents *not requiring translation*) for submission of contributions to this second session, will be communicated to the membership at a later stage (as soon as the exact time of WRC-15 is decided by the ITU Council). The CPM-15 Steering Committee, in consultation with the Chairmen of the ITU-R Study Groups and responsible Working Parties/Joint Task Group, will determine the deadline for the completion of the draft CPM texts by the responsible groups. This information will also be communicated to the membership.

* 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 (see also Annex 5).

ANNEX 5

Chapter structure and working procedures for the CPM, in accordance with Resolution ITU-R 2-6

1 Chapter structure

1.1 WRC Agenda item X.xx *Insert text of relevant agenda item.*

1.2 Executive summary to describe briefly the purpose of the agenda item, summarize the results of the studies carried out and, most importantly, provide a brief description of the method(s) identified that may satisfy the agenda item.

1.3 Background section to provide general information in a concise manner, in order to describe the rationale of the agenda items (or issue(s)).

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

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

1.6* Method(s) to satisfy the agenda item for consideration by the WRC and the advantages and disadvantages of each method.

1.7 Regulatory and procedural considerations.

2 Duties of Chapter Rapporteurs

2.1 To act for the Chairman of the CPM to ensure that the consistency of format and structure and the guidelines of amount of text are observed.

2.2 To ensure integration of most recent Working Party outputs into consolidated CPM text by consultation with or assistance from Working Party Chairmen to ensure that CPM work is complete and on time.

3 CPM working procedures

3.1 A single *responsible* Study Group or Working Party is identified overall for each agenda item. A *responsible* group may also be designated for each sub-item where an agenda item is easily divisible into coherent work packages, e.g. in relation to a specific Resolution or Recommendation or part thereof.

3.2 The *responsible* Study Group or Working Party 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 Study Group or Working Party should ensure that the necessary coordination with the *contributing/interested* groups is carried out.

* Paragraphs 1.5 and 1.6 do not apply to WRC-15 Agenda item 9 (Report of the Director of the Radiocommunication Bureau)

3.3 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.

3.4 The *contributing/interested* Study Groups or Working Parties 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 *contributing/interested* 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 *contributing/interested* 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.

3.5 As far as possible, *contributing/interested* 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.

3.6 The output of the *responsible* group shall be submitted to the CPM in accordance with Resolution ITU-R 2-6, its working methods and guidelines.

3.7 A consolidated draft CPM Report shall be prepared by the CPM Management Team for submission to Member States and Sector Members in time for the second meeting of CPM.

NOTE – The Chairman, Vice-Chairman, the Chapter Rapporteurs; the Special Committee Chairman and Vice-Chairmen; and the CPM Secretary will be called the CPM Steering Committee.

ANNEX 6

Table of contents of the draft CPM Report to WRC-15

CHAPTER 1	Mobile and Amateur issues
Agenda items:	1.1, 1.2, 1.3, 1.4
Rapporteurs:	Ms Cindy-Lee Cook (Canada) for Agenda items 1.1 and 1.2 Mr Charles Glass (United States of America) for Agenda items 1.3 and 1.4
CHAPTER 2	Science issues
Agenda items:	1.11, 1.12, 1.13, 1.14
Rapporteur:	Mr Alexandre Vassiliev (Russian Federation)
CHAPTER 3	Aeronautical, Maritime and Radiolocation issues
Agenda items:	1.5, 1.15, 1.16, 1.17, 1.18
Rapporteur:	Mr Martin Weber (Germany)
CHAPTER 4	Satellite services
Sub-Chapter 4.1	Fixed-satellite service
Agenda items:	1.6, 1.7, 1.8, 1.9.1
Rapporteur:	Mr Xiaoyang Gao (China)
Sub-Chapter 4.2	Mobile-satellite service
Agenda items:	1.9.2, 1.10
Rapporteur:	Mr Mehdi Abyaneh Nazari (I.R. Iran)
CHAPTER 5	Satellite Regulatory issues
Agenda items:	7, 9.1.1, 9.1.2, 9.1.3, 9.1.5, 9.1.8, 9.3
Rapporteur:	Mr Khalid Al-Awadhi (United Arab Emirates)
CHAPTER 6	General issues
Agenda items:	2, 4, 9.1.4, 9.1.6, 9.1.7, 10
Rapporteur:	Mr Peter N. Ngige (Kenya)

ANNEX 7

Outline of the draft CPM Report to WRC-15

WRC-15 Agenda item	Draft CPM Report to WRC-15			
	Section	Condensed agenda item	References	Responsible Group
	Chapter 1 – Mobile and Amateur issues			
1.1	1/1.1	to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution 233 [COM6/8] (WRC-12);	Resolution 233 [COM6/8] (WRC-12)	JTG 4-5-6-7 (1)
1.2	1/1.2	to examine the results of ITU-R studies, in accordance with Resolution 232 [COM5/10] (WRC-12), on the use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and take the appropriate measures;	Resolution 232 [COM5/10] (WRC-12)	JTG 4-5-6-7 (1)
1.3	1/1.3	to review and revise Resolution 646 (Rev.WRC-12) for broadband public protection and disaster relief (PPDR), in accordance with Resolution 648 [COM6/11] (WRC-12);	Resolution 648 [COM6/11] (WRC-12)	WP 5A
1.4	1/1.4	to consider possible new allocation to the amateur service on a secondary basis within the band 5 250-5 450 kHz in accordance with Resolution 649 [COM6/12] (WRC-12);	Resolution 649 [COM6/12] (WRC-12)	WP 5A
	Chapter 2 – Science issues			
1.11	2/1.11	to consider a primary allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range, in accordance with Resolution 650 [COM6/17] (WRC-12);	Resolution 650 [COM6/17] (WRC-12)	WP 7B
1.12	2/1.12	to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution 651 [COM6/18] (WRC-12);	Resolution 651 [COM6/18] (WRC-12)	WP 7C
1.13	2/1.13	to review No. 5.268 with a view to examining the possibility for increasing the 5 km distance limitation and allowing space research service (space-to-space) use for proximity operations by space vehicles communicating with an orbiting manned space vehicle, in accordance with Resolution 652 [COM6/19] (WRC-12);	Resolution 652 [COM6/19] (WRC-12)	WP 7B
1.14	2/1.14	to consider the feasibility of achieving a continuous reference time-scale, whether by the modification of coordinated universal time (UTC) or some other	Resolution 653 [COM6/20] (WRC-12)	WP 7A

(1) See the CPM15-1 Decision on the Establishment and Terms of Reference of Joint Task Group 4-5-6-7 (Annex 10 to this Administrative Circular).

		method, and take appropriate action, in accordance with Resolution 653 [COM6/20] (WRC-12) ;		
Chapter 3 – Aeronautical, Maritime and Radiolocation issues				
1.5	3/1.5	to consider the use of frequency bands allocated to the fixed-satellite service not subject to Appendices 30, 30A and 30B for the control and non-payload communications of unmanned aircraft systems (UAS) in non-segregated airspaces, in accordance with Resolution 153 [COM6/13] (WRC-12) ;	Resolution 153 [COM6/13] (WRC-12)	WP 5B
1.15	3/1.15	to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution 358 [COM6/3] (WRC-12) ;	Resolution 358 [COM6/3] (WRC-12)	WP 5B
1.16	3/1.16	to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution 360 [COM6/21] (WRC-12) ;	Resolution 360 [COM6/21] (WRC-12) ;	WP 5B
1.17	3/1.17	to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intra-communications (WAIC), in accordance with Resolution 423 [COM6/22] (WRC-12) ;	Resolution 423 [COM6/22] (WRC-12)	WP 5B
1.18	3/1.18	to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78.0 GHz frequency band in accordance with Resolution 654 [COM6/23] (WRC-12) ;	Resolution 654 [COM6/23] (WRC-12)	WP 5B⁽²⁾ (invites i) & ii)) WP 5A (invites iii))
Chapter 4 – Satellite services				
Sub-Chapter 4.1 – Fixed Satellite service				
1.6	4.1/1.6	to consider possible additional primary allocations: 1.6.1 to the fixed-satellite service (Earth-to-space and space-to-Earth) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1; 1.6.2 to the fixed-satellite service (Earth-to-space) of 250 MHz in Region 2 and 300 MHz in Region 3 within the range 13-17 GHz; and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolutions 151 [COM6/4] (WRC-12) and 152 [COM6/5] (WRC-12) , respectively;	Resolution 151 [COM6/4] (WRC-12) Resolution 152 [COM6/5] (WRC-12)	WP 4A

⁽²⁾ based on spectrum requirements from WP 5A.

1.7	4.1/1.7	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-geostationary mobile-satellite systems in the mobile-satellite service) in accordance with Resolution 114 (Rev.WRC-12) ;	Resolution 114 (Rev.WRC-12)	WP 4A
1.8	4.1/1.8	to review the provisions relating to earth stations located on board vessels (ESVs), based on studies conducted in accordance with Resolution 909 [COM6/14] (WRC-12) ;	Resolution 909 [COM6/14] (WRC-12)	WP 4A
1.9.1	4.1/1.9.1	to consider, in accordance with Resolution 758 [COM6/15] (WRC-12) : 1.9.1 possible new allocations to the fixed-satellite service in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space), subject to appropriate sharing conditions;	Resolution 758 [COM6/15] (WRC-12)	WP 4A
Sub-Chapter 4.2 – Mobile Satellite service				
1.9.2	4.2/1.9.2	to consider, in accordance with Resolution 758 [COM6/15] (WRC-12) : 1.9.2 the possibility of allocating the bands 7 375-7 750 MHz and 8 025-8 400 MHz to the maritime-mobile satellite service and additional regulatory measures, depending on the results of appropriate studies;	Resolution 758 [COM6/15] (WRC-12)	WP 4C
1.10	4.2/1.10	to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution 234 [COM6/16] (WRC-12) ;	Resolution 234 [COM6/16] (WRC-12)	WP 4C
Chapter 5 – Satellite Regulatory Issues				
7	5/7	to consider possible changes, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution 86 (Rev.WRC-07) to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;	Resolution 86 (Rev.WRC-07)	WP 4A (Technical and Regulatory aspects) SC (Regulatory and Procedural aspects)
9.1	5/9.1.1	Protection of the systems operating in the mobile-satellite service in the band 406-406.1 MHz	Resolution 205 (Rev.WRC-12)	WP 4C

9.1	5/9.1.2	Studies on possible reduction of the coordination arc and technical criteria used in application of No. 9.41 in respect of coordination under No. 9.7	Resolution 756 [COM5/5] (WRC-12)	WP 4A (Technical and Regulatory aspects) SC (Regulatory and Procedural aspects)
9.1	5/9.1.3	Use of satellite orbital positions and associated frequency spectrum to deliver international public telecommunication services in developing countries	Resolution 11 [COM5/11] (WRC-12)	
9.1	5/9.1.5	Consideration of technical and regulatory actions in order to support existing and future operation of fixed-satellite service earth stations within the band 3 400-4 200 MHz, as an aid to the safe operation of aircraft and reliable distribution of meteorological information in some countries in Region 1	Resolution 154 [COM6/24] (WRC-12)	
9.1	5/9.1.8	Regulatory aspects for nano- and picosatellites	Resolution 757 [COM6/10] (WRC-12)	WP 7B
9.3	5/9.3	Due diligence in applying the principles embodied in the Convention	Resolution 80 (Rev.WRC-07)	(3)
Chapter 6 – General issues				
2	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 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-12);	Resolution 28 (Rev.WRC-03) Resolution 27 (Rev.WRC-12)	CPM15-2
4	6/4	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;	Resolution 95 (Rev.WRC-07)	CPM15-2
9.1	6/9.1.4	Updating and rearrangement of the Radio Regulations	Resolution 67 [COM6/2] (WRC-12)	WP 1B SC
9.1	6/9.1.6	Studies towards review of the definitions of <i>fixed service</i> , <i>fixed station</i> and <i>mobile station</i>	Resolution 957 [PLEN/1] (WRC-12)	WP 1B
9.1	6/9.1.7	Spectrum management guidelines for emergency and disaster relief radiocommunication	Resolution 647 (Rev. WRC-12)	WP 1B
10	6/10	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, in accordance with Article 7 of the Convention,	Resolution 808 [COM6/7] (WRC-12)	CPM15-2

(3) Depending on contributions from administrations.

ANNEX 8

Allocation of ITU-R preparatory work for WRC-15

The attached Table contains allocation of ITU-R preparatory work for WRC-15 agenda items, as proposed in Resolution **807 [COM6/6] (WRC-12)**. It includes entries for the identification of the ITU-R “responsible groups” and “concerned groups” for the WRC-15 agenda items.

NOTE 1 – The Special Committee (SC) activities consist of two categories:

- a) work assigned directly to the SC by CPM15-1, for which the SC or its Working Party may initiate its studies as appropriate, and
- b) tasks related to regulatory aspects of work assigned by CPM15-1 to the Study Groups and their Working Parties, for which the SC and its Working Party initiate studies on procedural and regulatory text based on inputs from the Study Groups/Working Parties and contributions from the membership; the initial meeting of the SC or its Working Party on this category b) will be held in consultation with the CPM Chairman and the Study Groups and their Working Parties.

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 CPM15-1/1.

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

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.1 to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution 233 [COM6/8] (WRC-12);			
Resolution 233 [COM6/8] (WRC-12) Studies on frequency-related matters on International Mobile Telecommunications and other terrestrial mobile broadband applications	JTG 4-5-6-7⁽²⁾	<i>resolves to invite ITU-R</i> 1 to study additional spectrum requirements, taking into account: – technical and operational characteristics of IMT systems, including the evolution of IMT through advances in technology and spectrally-efficient techniques, and their deployment; – the bands currently identified for IMT, the technical conditions of their use, and the possibility of optimizing the use of these bands with a view to increasing spectrum efficiency; – the evolving needs, including user demand for IMT and other terrestrial mobile broadband applications; – the needs of developing countries; – the time-frame in which spectrum would be needed; 2 to study potential candidate frequency bands, taking into account the results of the studies under <i>resolves to invite ITU-R</i> 1, protection of existing services and the need for harmonization, <i>further resolves</i> 1 that the studies referred to in <i>resolves to invite ITU-R</i> 2 include sharing and compatibility studies with services already having allocations in the potential candidate bands and in adjacent bands, as appropriate, taking into account the current and planned use of these bands by the existing services, as well as the applicable studies already performed in ITU-R; 2 to invite WRC-15 to consider the results of the above studies and take appropriate actions,	WP 4A WP 4B WP 4C WP 5A WP 5B WP 5C WP 5D WP 6A WP 7B WP 7C WP 7D (WP 1A WP 3K WP 3M) ⁽²⁾

(1) 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.

(2) See the CPM15-1 Decision on the Establishment and Terms of Reference of Joint Task Group 4-5-6-7 (Annex 10 to this Administrative Circular)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.2 to examine the results of ITU-R studies, in accordance with Resolution 232 [COM5/10] (WRC-12), on the use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and take the appropriate measures;			
Resolution 232 [COM5/10] (WRC-12) Use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and related studies	JTG 4-5-6-7 ⁽²⁾	<i>resolves</i> 1 to allocate the frequency band 694-790 MHz in Region 1 to the mobile, except aeronautical mobile, service on a co-primary basis with other services to which this band is allocated on a primary basis and to identify it for IMT; 2 that the allocation in resolves 1 is effective immediately after WRC-15; 3 that use of the allocation in resolves 1 is subject to agreement obtained under No. 9.21 with respect to the aeronautical radionavigation service in countries listed in No. 5.312; 4 that the lower edge of the allocation is subject to refinement at WRC-15, taking into account the ITU-R studies referred to in invites ITU-R below and the needs of countries in Region 1, in particular developing countries; 5 that WRC-15 will specify the technical and regulatory conditions applicable to the mobile service allocation referred to in resolves 1, taking into account the ITU-R studies referred to in invites ITU-R below, <i>invites ITU-R</i> 1 to study the spectrum requirement for the mobile service and for the broadcasting service in this frequency band, in order to determine as early as possible the options for the lower edge referred to in <i>resolves</i> 4; 2 to study the channelling arrangements for the mobile service, adapted to the frequency band below 790 MHz, taking into account: – the existing arrangements in Region 1 in the bands between 790 and 862 MHz and defined in the last version of Recommendation ITU-R M.1036, in order to ensure coexistence with the networks operated in the new allocation and the operational networks in the band 790-862 MHz, – the desire for harmonization with arrangements across all Regions, – the compatibility with other primary services to which the band is allocated, including in adjacent bands; 3 to study coexistence between the different channelling arrangements which have been implemented in Region 1 above 790 MHz, as well as the possibility of further harmonization; 4 to study the compatibility between the mobile service and other services currently allocated in the frequency band 694-790 MHz and develop ITU-R Recommendations or Reports; 5 to study solutions for accommodating applications ancillary to broadcasting requirements; 6 to report, in time for WRC-15, the results of these studies,	WP 4A WP 5A WP 5B WP 5D WP 6A (WP 3K WP 3M) ⁽²⁾

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.3 to review and revise Resolution 646 (Rev.WRC-12) for broadband public protection and disaster relief (PPDR), in accordance with Resolution 648 [COM6/11] (WRC-12) ;			
Resolution 648 [COM6/11] (WRC-12) Studies to support broadband public protection and disaster relief	WP 5A	<i>resolves to invite WRC-15</i> to consider the studies in <i>invites ITU-R</i> below on broadband PPDR and take appropriate action with regard to revision of Resolution 646 (Rev.WRC-12), <i>invites ITU-R</i> to study technical and operational issues relating to broadband PPDR and its further development, and to develop recommendations, as required, on: – technical requirements for PPDR services and applications; – the evolution of broadband PPDR through advances in technology; – the needs of developing countries,	WP 5B WP 5C WP 5D (WP 1B WP 4A WP 4B WP 4C WP 6A WP 7B WP 7C WP 7D)
1.4 to consider possible new allocation to the amateur service on a secondary basis within the band 5 250-5 450 kHz in accordance with Resolution 649 [COM6/12] (WRC-12) ;			
Resolution 649 [COM6/12] (WRC-12) Possible allocation to the amateur service on a secondary basis at around 5 300 kHz	WP 5A	<i>resolves to invite WRC-15</i> to consider, based on the results of the ITU-R studies referred to in <i>invites ITU-R</i> below, the possibility of making an allocation of an appropriate amount of spectrum, not necessarily contiguous, to the amateur service on a secondary basis within the band 5 250-5 450 kHz, <i>invites ITU-R</i> 1 to study spectrum requirements for a secondary allocation to the amateur service within the band 5 250-5 450 kHz; 2 to carry out sharing studies on the impact to other services currently allocated in the band referred to in <i>invites ITU-R</i> 1 and in the adjacent bands; 3 to complete studies in time for WRC-15,	WP 5B WP 5C (WP 3L)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.5 to consider the use of frequency bands allocated to the fixed-satellite service not subject to Appendices 30, 30A and 30B for the control and non-payload communications of unmanned aircraft systems (UAS) in non-segregated airspaces, in accordance with Resolution 153 [COM6/13] (WRC-12);			
Resolution 153 [COM6/13] (WRC-12) To consider the use of frequency bands allocated to the fixed-satellite service not subject to Appendices 30, 30A and 30B for the control and non-payload communications of unmanned aircraft systems in non-segregated airspaces	WP 5B	<i>resolves to invite WRC-15</i> to consider, based on the results of the ITU-R studies referred to in <i>invites ITU-R</i> below, the possible regulatory actions to support the use of FSS frequency bands for the UAS CNPC links, as mentioned in the above <i>considerings</i>, ensuring the safe operation of UAS CNPC links, consistent with <i>recognizing e</i>), <i>invites ITU-R</i> 1 to conduct, in time for WRC-15, the necessary studies leading to technical, regulatory and operational recommendations to the Conference, enabling that Conference to decide on the usage of FSS for the CNPC links for the operation of UAS; 2 to include, in the studies referred to in <i>invites ITU-R</i> 1, sharing and compatibility studies with services already having allocations in those bands; 3 to take into account information from operations referred to in <i>considering e</i>),	WP 4A WP 4B (WP 3M WP 7B WP 7C WP 7D)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.6 to consider possible additional primary allocations: 1.6.1 to the fixed-satellite service (Earth-to-space and space-to-Earth) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1; 1.6.2 to the fixed-satellite service (Earth-to-space) of 250 MHz in Region 2 and 300 MHz in Region 3 within the range 13-17 GHz; and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolutions 151 [COM6/4] (WRC-12) and 152 [COM6/5] (WRC-12), respectively;			
Resolution 151 [COM6/4] (WRC-12) Additional primary allocations to the fixed-satellite service in frequency bands between 10 and 17 GHz in Region 1	WP 4A	<i>resolves</i> 1 to complete, for WRC-15: i) studies of possible bands for a new primary allocation to the fixed-satellite service of 250 MHz in both directions in Region 1 within the bands 10-17 GHz, with particular focus on the frequency range that is contiguous (or near contiguous) to the existing fixed-satellite service allocations, taking into account sharing and compatibility studies, while protecting the existing primary services in the band(s); ii) studies that include consideration of utilizing existing allocations to the fixed-satellite service in both directions through a review of regulatory provisions, except for Nos. 5.502 and 5.503 and Resolution 144 (Rev.WRC-07), taking into account sharing and compatibility studies, while protecting the existing primary services in the band 10-17 GHz; 2 that if consideration is given to use of the 14.5-14.8 GHz band, appropriate measures need to be taken with regard to the Appendix 30A Plan and List, as the case may be, to ensure the integrity and adequate protection of these bands, specifically taking into account: ... 3 that the 11.7-12.5 GHz band should be excluded from consideration; however, if consideration is given to use of the 11.7-12.5 GHz band in Region 1, appropriate measures need to be taken with regard to the Appendix 30 Plans and List, according to the case, to ensure the integrity and full protection of these bands, specifically taking into account: ... 4 that the 12.75-13.25 GHz band shall be excluded from the studies referred to in this Resolution; 5 that WRC-15 consider the results of the above studies and take appropriate action, <i>invites ITU-R</i> to conduct studies, as a matter of urgency, on technical (including necessary calculations and criteria), operational and regulatory issues on this topic, taking into account <i>resolves</i> 1, 2, 3 and 4, in time for WRC-15 to consider the results of these studies and take appropriate action,	WP 4C WP 5A WP 5B WP 5C WP 7B WP 7C WP 7D (WP 3M WP 6B)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
Resolution 152 [COM6/5] (WRC-12) Additional primary allocations to the fixed-satellite service in the Earth-to-space direction in frequency bands between 13-17 GHz in Region 2 and Region 3	WP 4A	<i>resolves</i> 1 to complete, for WRC-15: i) studies of possible bands for a new primary allocation to the fixed-satellite service in the Earth-to-space direction of 250 MHz in Region 2 and 300 MHz in Region 3 within the bands 13-17 GHz, with particular focus on the frequency range that is contiguous (or near contiguous) to the existing fixed-satellite service allocations, taking into account sharing and compatibility studies, while protecting the existing primary services in the band(s); ii) studies that include consideration of utilizing existing allocations to the fixed-satellite service in the Earth-to-space direction through a review of regulatory provisions, except for Nos. 5.502 and 5.503 and Resolution 144 (Rev.WRC-07), taking into account sharing and compatibility studies, while protecting the existing primary services in the band(s); 2 that if consideration is given to use of the 14.5-14.8 GHz band, appropriate measures need to be taken with regard to the Appendix 30A Plan and List, as the case may be, to ensure the integrity and full protection of these bands, specifically taking into account: ... 3 that the 13-13.25 GHz band shall be excluded from the studies referred to in this Resolution; 4 that WRC-15 consider the results of the above studies and take appropriate action, <i>invites ITU-R</i> 1 to conduct studies, as a matter of urgency, on technical (including necessary calculations and criteria), operational and regulatory issues on this topic, taking into account <i>resolves</i> 1, 2, 3 and 4, in time for WRC-15 to consider the results of these studies and take appropriate action; 2 to consider appropriate measures regarding the use of provisional recording in respect of coordination between assignments in the Appendix 30A Plan and List in the band 14.5-14.8 GHz and the new fixed-satellite service utilization,	WP 4C WP 5A WP 5B WP 5C WP 7B WP 7C WP 7D (WP 3M)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.7 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-geostationary mobile-satellite systems in the mobile-satellite service) in accordance with Resolution 114 (Rev.WRC-12) ;			
Resolution 114 (Rev.WRC-12) 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	WP 4A	<i>resolves</i> 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; 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; 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), ... <i>invites ITU-R</i> 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),	WP 4C WP 5B (WP 3M WP 5A)
1.8 to review the provisions relating to earth stations located on board vessels (ESVs), based on studies conducted in accordance with Resolution 909 [COM6/14] (WRC-12) ;			
Resolution 909 [COM6/14] (WRC-12) Provisions relating to earth stations located on board vessels which operate in fixed-satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz	WP 4A	<i>resolves to invite ITU-R</i> 1 to review the provisions relating to ESVs which operate in the FSS in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz and consider possible modifications to Resolution 902 (WRC-03) in order to reflect current ESV technologies and technical characteristics that are being used or planned to be used, while protecting the other services referred to in <i>recognizing a)</i> and <i>b)</i> above; 2 to complete the referenced studies in time for WRC-15,	WP 4C WP 5A WP 5B WP 5C (WP 7A WP 7B WP 7C WP 7D)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.9 to consider, in accordance with Resolution 758 [COM6/15] (WRC-12): 1.9.1 possible new allocations to the fixed-satellite service in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space), subject to appropriate sharing conditions; 1.9.2 the possibility of allocating the bands 7 375-7 750 MHz and 8 025-8 400 MHz to the maritime-mobile satellite service and additional regulatory measures, depending on the results of appropriate studies;			
Resolution 758 [COM6/15] (WRC-12) Allocation to the fixed-satellite service and the maritime-mobile satellite service in the 7/8 GHz range	(1.9.1) WP 4A	<i>resolves to invite ITU-R</i> 1 to conduct technical and regulatory studies on the possible new allocations to the FSS in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space) in order to ensure compatibility with existing services, with a view to extending the current worldwide allocation to the FSS in the bands 7 250-7 750 MHz (space-to-Earth) and 7 900-8 400 MHz (Earth-to-space); 2 to conduct the appropriate regulatory studies to ensure that any new FSS allocation referred to in <i>resolves</i> 1 above is limited to FSS systems operated from a fixed known location in order to enable compatibility with systems of other services, taking into account that the operational requirements in the bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space) do not encompass small VSAT-like FSS earth stations;	(1.9.1) WP 5A WP 5C WP 7B (WP 3M)
	(1.9.2) WP 4C	3 to conduct technical and regulatory studies on the possibility of allocating the bands 7 375-7 750 MHz (space-to-Earth) and 8 025-8 400 MHz (Earth-to-space), or parts thereof, to the maritime-mobile satellite service, while ensuring compatibility with existing services; 4 to complete these studies in time for WRC-15,	(1.9.2) WP 4A WP 4B WP 5A WP 5B WP 5C WP 7B (WP 3M)
1.10 to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution 234 [COM6/16] (WRC-12);			
Resolution 234 [COM6/16] (WRC-12) Additional primary allocations to the mobile-satellite service within the bands from 22 GHz to 26 GHz	WP 4C	<i>resolves to invite ITU-R</i> to complete, for WRC-15, sharing and compatibility studies towards additional allocations to the mobile-satellite service in the Earth-to-space and space-to-Earth directions, within portions of the bands between 22 GHz and 26 GHz, while ensuring protection of existing services within these bands as well as taking into account No. 5.340 and No. 5.149,	WP 4A WP 4B WP 5A WP 5C WP 7A WP 7B WP 7C WP 7D (WP 3M)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.11 to consider a primary allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range, in accordance with Resolution 650 [COM6/17] (WRC-12) ;			
Resolution 650 [COM6/17] (WRC-12) Allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range	WP 7B	<i>resolves to invite ITU-R</i> 1 to study spectrum requirements in the 7-8 GHz range for EESS (Earth-to-space) telecommand operations in order to complement telemetry operations of EESS (space-to-Earth) in the 8 025-8 400 MHz band; 2 to conduct compatibility studies between EESS (Earth-to-space) systems and existing services, with priority to the band 7 145-7 235 MHz, and then within other portions of the 7-8 GHz range only if the band 7 145-7 235 MHz is found not to be suitable; 3 to complete the 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 basis for the work of WRC-15, <i>resolves to invite WRC-15</i> to review the results of these studies with a view to providing a worldwide primary allocation to EESS (Earth-to-space) in the range 7-8 GHz with priority to the band 7 145-7 235 MHz,	WP 4A WP 4C WP 5A WP 5C (WP 3M)
1.12 to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution 651 [COM6/18] (WRC-12) ;			
Resolution 651 [COM6/18] (WRC-12) Possible extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz	WP 7C	<i>resolves</i> that, taking into account the results of ITU-R studies, WRC-15 consider the possible extension of the current worldwide allocation to the EESS (active) in the frequency band 9 300-9 900 MHz by up to 600 MHz on a primary and/or secondary basis, as appropriate, within the frequency range 8 700-9 300 MHz and/or 9 900-10 500 MHz while ensuring protection of existing services and taking due account of the safety services allocated in the frequency band 9 000 to 9 300 MHz, <i>invites ITU-R</i> to conduct and complete, in time for WRC-15, compatibility studies addressing: – EESS (active) and existing services in the frequency bands 8 700-9 300 MHz and 9 900-10 500 MHz in order to ensure the protection of the existing services, taking into account the constraints as per No. 5.476A; – unwanted emissions from stations operating in the EESS (active) within the frequency band 8 700-9 300 MHz into stations of the space research service operating in the frequency band 8 400-8 500 MHz; – unwanted emissions from stations operating in the EESS (active) within the frequency band 9 900-10 500 MHz into stations of the radio astronomy service, space research service (passive) and EESS (passive) operating in the frequency band 10.6-10.7 GHz,	WP 5A WP 5B WP 5C WP 7B WP 7D

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.13 to review No. 5.268 with a view to examining the possibility for increasing the 5 km distance limitation and allowing space research service (space-to-space) use for proximity operations by space vehicles communicating with an orbiting manned space vehicle, in accordance with Resolution 652 [COM6/19] (WRC-12);			
Resolution 652 [COM6/19] (WRC-12) Use of the band 410-420 MHz by the space research service (space-to-space)	WP 7B	<i>resolves to invite ITU-R</i> 1 to conduct sharing studies between SRS (space-to-space) systems communicating in proximity with orbiting manned space vehicles and systems operating in the fixed and mobile (except aeronautical mobile) services in the band 410-420 MHz; 2 to complete the 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 basis for the work of WRC-15, <i>resolves to invite WRC-15</i> 1 to review No. 5.268, taking into account the results of ITU-R studies, including the possible removal or relaxation of the 5 km distance limitation without modifying the current pfd limits; 2 to review No. 5.268 to allow more general use of the 410-420 MHz band for SRS (space-to-space) systems beyond extra-vehicular activities,	WP 5A WP 5C
1.14 to consider the feasibility of achieving a continuous reference time-scale, whether by the modification of coordinated universal time (UTC) or some other method, and take appropriate action, in accordance with Resolution 653 [COM6/20] (WRC-12);			
Resolution 653 [COM6/20] (WRC-12) Future of the Coordinated Universal Time time-scale	WP 7A	<i>resolves to invite WRC-15</i> to consider the feasibility of achieving a continuous reference time-scale, whether by the modification of UTC or some other method, and take appropriate action, taking into account ITU-R studies, <i>invites ITU-R</i> 1 to conduct the necessary studies on the feasibility of achieving a continuous reference time-scale for dissemination by radiocommunication systems; 2 to study issues related to the possible implementation of a continuous reference time-scale (including technical and operational factors),	WP 6A

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.15 to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution 358 [COM6/3] (WRC-12);			
Resolution 358 [COM6/3] (WRC-12) Consideration of improvement and expansion of on-board communication stations in the maritime mobile service in the UHF bands	WP 5B	<i>resolves to invite WRC-15</i> to consider, based on the results of ITU-R studies, the need to possibly identify additional UHF channels within the bands already allocated to the maritime mobile service for on-board communication stations, <i>invites ITU-R</i> to conduct, in time for WRC-15, studies to determine the spectrum requirements and potential frequency bands for on-board communication stations, taking into account the protection of services to which the frequency band is currently allocated,	SG 4 (3) WP 5A WP 5C WP 5D SG 6 (3) SG 7 (3) (WP 3K WP 3M)
1.16 to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution 360 [COM6/21] (WRC-12);			
Resolution 360 [COM6/21] (WRC-12) Consideration of regulatory provisions and spectrum allocations for enhanced Automatic Identification System technology applications and for enhanced maritime radiocommunication	WP 5B	<i>resolves to invite WRC-15</i> 1 to consider, based on the results of ITU-R studies, modifications to the Radio Regulations, including possible spectrum allocations, to enable new AIS terrestrial and satellite applications, while ensuring that these applications will not degrade the current AIS operations and other existing services; 2 to consider, based on the results of ITU-R studies, additional or new applications for maritime radiocommunication within existing maritime mobile and mobile-satellite service allocations, and if necessary to take appropriate regulatory measures, <i>invites ITU-R</i> 1 to conduct, as a matter of urgency, studies that identify potential regulatory actions to accommodate emerging maritime mobile service and mobile-satellite service AIS requirements; 2 to conduct, as a matter of urgency, studies on additional or new applications for maritime radiocommunication within maritime mobile and mobile-satellite service allocations, and to identify potential regulatory actions to accommodate emerging maritime radiocommunication requirements; 3 to complete studies in time for WRC-15 taking into account existing systems and services that share the bands,	WP 5A WP 6A (WP 3K WP 4A WP 4C WP 7B WP 7C WP 7D)

⁽³⁾ Relevant Working Party(ies) to be indicated by the Study Group.

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1.17 to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intra-communications (WAIC), in accordance with Resolution 423 [COM6/22] (WRC-12);			
Resolution 423 [COM6/22] (WRC-12) Consideration of regulatory actions, including allocations, to support Wireless Avionics Intra-Communications	WP 5B	<i>resolves</i> that WRC-15 consider, based on the results of ITU-R studies, possible regulatory actions, including appropriate aeronautical allocations, to support the implementation of WAIC systems, while taking into account spectrum requirements for WAIC and protection requirements for systems operating in accordance with existing allocations, <i>invites ITU-R</i> 1 to conduct, in time for WRC-15, the necessary studies to determine the spectrum requirements needed to support WAIC systems; 2 to conduct sharing and compatibility studies, based on the results of <i>invites ITU-R</i> 1, to determine appropriate frequency bands and regulatory actions; 3 when conducting studies in accordance with <i>invites ITU-R</i> 2, to consider: i) frequency bands within existing worldwide aeronautical mobile service, aeronautical mobile (R) service and aeronautical radionavigation service allocations; ii) additional frequency bands above 15.7 GHz for aeronautical services if spectrum requirements cannot be met in frequency bands studied under <i>invites ITU-R</i> 3 i),	WP 4A WP 4C WP 5A WP 5C WP 7B WP 7C WP 7D (WP 1B WP 3K WP 6A)
1.18 to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78.0 GHz frequency band in accordance with Resolution 654 [COM6/23] (WRC-12);			
Resolution 654 [COM6/23] (WRC-12) Allocation of the band 77.5-78 GHz to the radiolocation service to support automotive short-range high-resolution radar operations	WP 5B for invites i) and ii) (based on spectrum requirements from WP 5A) WP 5A for invites iii)	<i>resolves to invite WRC-15</i> to consider a primary allocation to the radiolocation service in the 77.5-78 GHz frequency band, taking into account the results of ITU-R studies, <i>invites ITU-R</i> to conduct, as a matter of urgency, and in time for consideration by WRC-15, the appropriate technical, operational and regulatory studies, including: i) sharing studies and regulatory solutions to consider a primary allocation to the radiolocation service in the band 77.5-78 GHz, taking into account incumbent services and existing uses of the band; ii) compatibility studies in the band 77.5-78 GHz with services operating in the adjacent bands 76-77.5 GHz and 78-81 GHz; iii) spectrum requirements, operational characteristics and evaluation of ITS safety-related applications that would benefit from global or regional harmonization,	WP 1B WP 7B WP 7C WP 7D (WP 3M)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
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 the principles contained in Annex 1 to Resolution 27 (Rev.WRC-12);			
Resolution 28 (Rev.WRC-03) Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations	CPM15-2	<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 27 (Rev.WRC-12) Use of incorporation by reference in the Radio Regulations	CPM15-2	<i>resolves</i> 1 that for the purposes of the Radio Regulations, the term “incorporation by reference” shall only apply to those references intended to be mandatory; 2 that when considering the introduction of new cases of incorporation by reference, such incorporation shall be kept to a minimum and made by applying the following criteria: – only texts which are relevant to a specific WRC agenda item may be considered; – the correct method of reference shall be determined on the basis of the principles set out in Annex 1 to this Resolution; – the guidance contained in Annex 2 to this Resolution shall be applied in order to ensure that the correct method of reference for the intended purpose is employed; 3 that the procedure described in Annex 3 to this Resolution shall be applied for approving the incorporation by reference of ITU-R Recommendations or parts thereof; 4 that existing references to ITU-R Recommendations shall be reviewed to clarify whether the reference is mandatory or non-mandatory in accordance with Annex 2 to this Resolution; 5 that ITU-R Recommendations, or parts thereof, incorporated by reference at the conclusion of each WRC, and a cross-reference list of the regulatory provisions, including footnotes and Resolutions, incorporating such ITU-R Recommendations by reference, shall be collated and published in a volume of the Radio Regulations (see Annex 3 to this Resolution),	–

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
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;			
Resolution 95 (Rev.WRC-07) General review of the Resolutions and Recommendations of world administrative radio conferences and world radiocommunication conferences	CPM15-2	<i>instructs the Director of the Radiocommunication Bureau</i> 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; 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, <i>invites the Conference Preparatory Meeting</i> 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,	–
7 to consider possible changes, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution 86 (Rev.WRC-07) to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;			
Resolution 86 (Rev.WRC-07) Implementation of Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference	WP 4A (Technical and Regulatory aspects) SC (Regulatory and Procedural aspects)	<i>resolves to invite future world radiocommunication conferences</i> 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; 2 to ensure that these procedures, and the related appendices of the Radio Regulations reflect the latest technologies, as far as possible,	WP 4C WP 5A WP 7B WP 7C (WP 4B WP 7A)

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
8 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);			
Resolution 26 (Rev.WRC-07) Footnotes to the Table of Frequency Allocations in Article 5 of the Radio Regulations	–	Not in the scope of the CPM	–

In addition to the above, CPM15-1 allocated the following ITU-R preparatory work for WRC-15 to be reported by the Director of the Radiocommunication Bureau, as appropriate.

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:			
9.1 on the activities of the Radiocommunication Sector since WRC-12;			
9.1.1 – Res. 205 (Rev.WRC-12) Protection of the systems operating in the mobile-satellite service in the band 406-406.1 MHz	WP 4C	resolves to invite ITU-R 1 to conduct, and complete in time for WRC-15, the appropriate regulatory, technical and operational studies with a view to ensuring the adequate protection of MSS systems in the frequency band 406-406.1 MHz from any emissions that could cause harmful interference (see No. 5.267), taking into account the current and future deployment of services in adjacent bands as noted in considering f); 2 to consider whether there is a need for regulatory action, based on the studies carried out under resolves 1, to facilitate the protection of MSS systems in the frequency band 406-406.1 MHz, or whether it is sufficient to include the results of the above studies in appropriate ITU-R Recommendations and/or Reports, instructs the Director of the Radiocommunication Bureau 1 to include the results of these studies in his Report to WRC-15 for the purposes of considering adequate actions in response to resolves to invite ITU-R above; 2 to organize monitoring programmes in the frequency band 406-406.1 MHz in order to identify the source of any unauthorized emission in that band,	WP 5A WP 5B WP 5C WP 7B WP 7C

⁽¹⁾ 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.

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
9.1.2 – Resolution 756 [COM5/5] (WRC-12) Studies on possible reduction of the coordination arc and technical criteria used in application of No. 9.41 in respect of coordination under No. 9.7	WP 4A (Technical and Regulatory aspects) SC (Regulatory and Procedural aspects)	<i>resolves to invite ITU-R</i> 1 to carry out studies to examine the effectiveness and appropriateness of the current criterion ($\Delta T/T > 6\%$) used in the application of No. 9.41 and consider any other possible alternatives (including the alternatives outlined in Annexes 1 and 2 to this Resolution), as appropriate, for the bands referred to in <i>recognizing e</i>); 2 to study whether additional reductions in the coordination arcs in RR Appendix 5 (Rev.WRC-12) are appropriate for the 6/4 GHz and 14/10/11/12 GHz frequency bands, and whether it is appropriate to reduce the coordination arc in the 30/20 GHz band, <i>instructs the Director of the Radiocommunication Bureau</i> to include in his Report, for consideration by WRC-15: – the results of the ITU-R studies referred to in <i>resolves</i> 1 and 2 above; – statistics on the use of No. 9.41 in respect of coordination under No. 9.7 for the bands identified in <i>recognizing d</i>),	–
9.1.3 – Resolution 11 [COM5/11] (WRC-12) Use of satellite orbital positions and associated frequency spectrum to deliver international public telecommunication services in developing countries	WP 4A (Technical and Regulatory aspects) SC (Regulatory and Procedural aspects)	<i>resolves</i> 1 that ITU-R continue to collaborate with, and provide information when requested by, ITU-D, on satellite technologies and applications as defined in ITU-R Recommendations and Reports and on satellite regulatory procedures in the Radio Regulations that will help developing countries with development and implementation of satellite networks and services; 2 that ITU-R undertakes studies to determine whether it might be necessary to apply additional regulatory measures to enhance the availability of public international telecommunication services delivered through satellite technology, <i>instructs the Director of the Radiocommunication Bureau</i> 1 to ensure that ITU-R collaborates with ITU-D in the implementation of this resolution; 2 to report the results of these studies to the next world radiocommunication conference,	–
9.1.4 – Resolution 67 [COM6/2] (WRC-12) Updating and rearrangement of the Radio Regulations	WP 1B SC (see NOTE 1 above this table)	<i>resolves to invite ITU-R</i> 1 to initiate studies for possible updating, review and possible revision of outdated information, and rearrangement of certain parts of the Radio Regulations, except for Articles 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16, 17, 18, 21, 22, 23 and 59 and those parts which are being revised on a regular basis, as appropriate; 2 to submit the results of these studies for consideration by a future world radiocommunication conference in accordance with this Resolution, <i>invites ITU-R members</i> to participate actively in the studies by submitting contributions to ITU-R, <i>instructs the Director of the Radiocommunication Bureau</i> to report the status of the studies to WRC-15,	–

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
9.1.5 – Resolution 154 [COM6/24] (WRC-12) Consideration of technical and regulatory actions in order to support existing and future operation of fixed-satellite service earth stations within the band 3 400-4 200 MHz, as an aid to the safe operation of aircraft and reliable distribution of meteorological information in some countries in Region 1	WP 4A (Technical and Regulatory aspects) SC (Regulatory and Procedural aspects)	<i>resolves to invite ITU-R</i> to study possible technical and regulatory measures in some countries in Region 1 to support the existing and future FSS earth stations in the 3 400-4 200 MHz band used for satellite communications related to safe operation of aircraft and reliable distribution of meteorological information referred to in <i>considering c)</i>, ... <i>instructs the Director of the Radiocommunication Bureau</i> to include the results of these studies in his Report to WRC-15 for the purposes of considering adequate actions in response to <i>resolves to invite ITU-R</i> above,	–
9.1.6 – Resolution 957 [PLEN/1] (WRC-12) Studies towards review of the definitions of <i>fixed service</i>, <i>fixed station</i> and <i>mobile station</i>	WP 1B	<i>resolves</i> 1 to review the definitions of <i>fixed service</i>, <i>fixed station</i> and <i>mobile station</i> contained in Article 1 for possible modification; 2 to study the potential impact on regulatory procedures in the Radio Regulations (coordination, notification and recording) and the impact on current frequency assignments and other services resulting from possible changes to the definitions referred to in <i>resolves 1</i>, <i>invites ITU-R</i> to conduct the necessary studies described in <i>resolves 1</i> and <i>2</i> in time for consideration by WRC-15, as referred to in <i>instructs the Director of the Radiocommunication Bureau</i> below, ... <i>instructs the Director of the Radiocommunication Bureau</i> to provide the results of these studies in his report to WRC-15 for consideration under agenda item 9.1 (see Resolution 807 [COM6/6] (WRC-12)) and appropriate action,	WP 5A WP 5C WP 5D
9.1.7 – Resolution 647 (Rev. WRC-12) Spectrum management guidelines for emergency and disaster relief radiocommunication	WP 1B	<i>resolves</i> 1 to encourage administrations to communicate to BR, as soon as possible, the frequencies available for use in emergency and disaster relief; 2 to reiterate to administrations the importance of having frequencies available for use in the very early stages of humanitarian assistance intervention for disaster relief, <i>instructs the Director of the Radiocommunication Bureau</i> ... 5 to report on the progress on this Resolution to subsequent World Radiocommunication Conferences,	–

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
		<i>invites ITU-R</i> to conduct studies as necessary, and as a matter of urgency, in support of the establishment of appropriate spectrum management guidelines applicable in emergency and disaster relief operations,	
9.1.8 – Resolution 757 [COM6/10] (WRC-12) Regulatory aspects for nano- and picosatellites	WP 7B	resolves to invite WRC-18 to consider whether modifications to the regulatory procedures for notifying satellite networks are needed to facilitate the deployment and operation of nano- and picosatellites, and to take the appropriate actions, <i>invites ITU-R</i> to examine the procedures for notifying space networks and consider possible modifications to enable the deployment and operation of nano- and picosatellites, taking into account the short development time, short mission time and unique orbital characteristics, <i>instructs the Director of the Radiocommunication Bureau</i> to report to WRC-15 on the results of these studies,	WP 4A SC (WP 5A WP 6A)
9.2	on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and		
9.3	on action in response to Resolution 80 (Rev.WRC-07);		
Resolution 80 (Rev.WRC-07) Due diligence in applying the principles embodied in the Constitution	(4)	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. 0.3 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.	WP 4A

(4) Depending on contributions from administrations.

ANNEX 9

Allocation of ITU-R preparatory work for WRC-18

The attached Table contains allocation of ITU-R preparatory work for WRC-18 preliminary agenda items, as proposed in Resolution **808 [COM6/7] (WRC-12)**. It includes entries for the identification of the ITU-R “responsible groups” and “concerned groups” for the WRC-18 agenda items.

NOTE 1 – The Special Committee (SC) activities consist of two categories:

- a) work assigned directly to the SC by CPM15-1, for which the SC or its Working Party may initiate its studies as appropriate, and
- b) tasks related to regulatory aspects of work assigned by CPM15-1 to the Study Groups and their Working Parties, for which the SC and its Working Party initiate studies on procedural and regulatory text based on inputs from the Study Groups/Working Parties and contributions from the membership; the initial meeting of the SC or its Working Party on this category b) will be held in consultation with the CPM Chairman and the Study Groups and their Working Parties.

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 CPM15-1/1.

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

Topic	Responsible group	Action to be taken by the group	Concerned group ⁽¹⁾
1	to take appropriate action in respect of those urgent issues that were specifically requested by WRC-15;		
2	on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-15, to consider and take appropriate action in respect of the following items:		
2.1	to consider regulatory actions, including spectrum allocations, to support GMDSS modernization and implementation of e-navigation in accordance with Resolution 359 [COM6/9] (WRC-12);		
Resolution 359 [COM6/9] (WRC-12) Consideration of regulatory provisions for modernization of the Global Maritime Distress and Safety System and studies related to e-navigation	WP 5B	<i>resolves to invite WRC-18</i> 1 to consider possible regulatory actions, including spectrum allocations based on the ITU-R studies, to support GMDSS modernization; 2 to consider possible regulatory actions, including spectrum allocations based on the ITU-R studies, for maritime mobile service supporting e-navigation, <i>invites ITU-R</i> to conduct studies, as a matter of urgency, taking into consideration the activities of IMO, in order to determine spectrum requirements to support GMDSS modernization, the implementation of e-navigation and propose possible regulatory actions,	- (WP 3K WP 3M)
2.2	to consider the appropriate regulatory procedures for notifying satellite networks needed to facilitate the deployment and operation of nano- and picosatellites, in accordance with Resolution 757 [COM6/10] (WRC-12);		
Resolution 757 [COM6/10] (WRC-12) Regulatory aspects for nano- and picosatellites	-	<i>resolves to invite WRC-18</i> to consider whether modifications to the regulatory procedures for notifying satellite networks are needed to facilitate the deployment and operation of nano- and picosatellites, and to take the appropriate actions, <i>invites ITU-R</i> to examine the procedures for notifying space networks and consider possible modifications to enable the deployment and operation of nano- and picosatellites, taking into account the short development time, short mission time and unique orbital characteristics,	-

⁽¹⁾ 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.

ANNEX 10

**CPM15-1 Decision on the
Establishment and Terms of Reference of
Joint Task Group 4-5-6-7**

The first session of the Conference Preparatory Meeting for WRC-15 (CPM15-1),

considering

- a) that WRC-12 by its Resolution **807 [COM6/6] (WRC-12)** recommended to Council to include in the agenda of WRC-15 (Agenda item 1.1) “*to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution 233 [COM6/8] (WRC-12)*”;
- b) that WRC-12 by its Resolution **807 [COM6/6] (WRC-12)** recommended to Council to include in the agenda of WRC 15 (Agenda item 1.2) “*to examine the results of ITU-R studies, in accordance with Resolution 232 [COM5/10] (WRC-12), on the use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and take the appropriate measures.*”

decides

- 1 to establish the Joint Task Group JTG 4-5-6-7 as the responsible group for the WRC-15 Agenda Items 1.1 and 1.2 with the terms of reference given below;
- 2 that JTG 4-5-6-7 is responsible for the development of draft CPM text under WRC-15 Agenda items 1.1 and 1.2 and that it will submit such text directly to the CPM-15 process in accordance with § 2.9 of Resolution ITU-R 1-6 and Resolution ITU-R 2-6;
- 3 that, in developing sharing studies and draft CPM text, JTG 4-5-6-7 is to consider, in accordance with WRC-12 Resolutions **232 [COM5/10] (WRC-12)** and **233 [COM6/8] (WRC-12)**, the results of studies from Working Party 5D on the spectrum requirements for the mobile service, including suitable frequency ranges, and other specific requirements as well as results of studies from any concerned Working Parties on technical and operational characteristics, spectrum requirements and performance objectives or protection requirements of other services;
- 4 that JTG 4-5-6-7 may develop, as appropriate, draft ITU-R Recommendations or Reports concerning the results of spectrum sharing and compatibility studies, where required for later submission to relevant Study Groups for adoption in accordance with Resolution ITU-R 1-6;
- 5 that the studies relating to channelling arrangement referred to in the *invites ITU-R 2* and 3 of Resolution **232 [COM5/10] (WRC-12)** need to be carried out in Working Party 5D;
- 6 that the organization of the work of JTG 4-5-6-7 should be carried out making maximum use of modern means of communication, including remote participation to the extent practicable;
- 7 that meetings of JTG 4-5-6-7 should be scheduled, as far as practicable, with no overlap with regularly scheduled meetings of the concerned Working Parties of Study Groups 4, 5, 6 and 7, but should be scheduled at dates adjacent to and co-located with these working parties to facilitate participation by delegations, to the maximum extent practicable .

further decides

- 1 that in order to perform its work, JTG 4-5-6-7 may liaise, where required, with ITU-R Study Groups and Working Parties in order to collect necessary information;
- 2 that JTG 4-5-6-7 is to conduct its work as a self-sufficient group and does not need to liaise the results of its studies to the other working parties;
3. that with respect to the sharing studies being undertaken by JTG 4-5-6-7 in relation to Resolution **232 [COM5/10] (WRC-12)**, technical and operational characteristics and protection requirements from the concerned Working Parties, as well as spectrum requirements from Working Parties 5D and 6A are to be submitted to the JTG before 31 December 2012;
4. that with respect to the sharing studies being undertaken by JTG 4-5-6-7 in relation to Resolution **233 [COM6/8] (WRC-12)**, technical and operational characteristics, protection requirements and information on current and planned use from the concerned Working Parties, as well as spectrum requirements from the Working Parties 5A and 5D are to be submitted to the JTG preferably by 31 July 2013;
- 5 that JTG 4-5-6-7 conducts, with urgency, its studies in accordance with Resolution **232 [COM5/10] (WRC-12)**.

The Chairman of the group is Mr Thomas Ewers (D), Email: Thomas.ewers@bnetza.de.

The Vice-Chairmen are to be determined by the JTG 4-5-6-7.

ANNEX 11

Proposed detailed structure for the draft CPM Report to WRC-15

See the document at: <http://www.itu.int/oth/R0A0A000006/en>.

ANNEX 12

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

The Special Committee, chaired by Mr T. Shafiee (Iran (Islamic Republic of), Email: shafiee@cra.ir), will organize its work for this new study cycle for the preparation of WRC-15 in the following manner:

1. In order to be economically efficient, the Special Committee has created a Working Party of the Special Committee, chaired by Mr T. Shafiee, which is planning to meet in English, without interpretation, for one week at the end of year 2013, after the block meetings of the Study Groups in September, October and/or November.
2. The mandate of this Working Party is to prepare the work of the Special Committee with regard to the WRC-15 agenda items under the direct responsibility of the Special Committee and to communicate with the ITU-R groups responsible for the other WRC-15 agenda items, as identified at the first session of CPM-15, in order to give regulatory support on their preparatory work with respect to those other WRC-15 agenda items.
3. The Special Committee itself is planning to meet at the end of year 2014 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

**List of mailing addresses of
CPM-15 Chairman, Vice-Chairmen and Chapter Rapporteurs**

CPM-15 Chairman

Mr. Aboubakar ZOURMBA
Agence de Régulation des
Télécommunications (ART)
B.P. 6132
YAOUNDE
Cameroon (Republic of)

Tel: +237 22 234 201
Tel: +237 99 776 066 (Mobile)
Fax: +237 22 233 748
Email: aboubakar.zourmba@ties.itu.int

CPM-15 Vice-Chairmen

Mr Mohamed AL-MUATHEN
Permanent Mission of the United Arab Emirates
58, Rue de Moillebeau
1209 Geneva
Switzerland

Tel: +971 2 6118454
Fax: +971 2 6118484
Email: almuathen77@hotmail.com

Mr. Glenn FELDHAKE
NASA
21000 Brookpark Rd.
CLEVELAND, OH 44125
United States of America

Tel: +1 216 4335668
Email: glenn.s.feldhake@nasa.gov

Dr. Shesh Mani SHARMA
Minsitry of Communications and
Information Technology
611, Sanchar Bhavan - 20 Ashoka Road
110001 NEW DELHI
India (Republic of)

Tel: +91 11 23372167
Fax: +91 11 23376111
Email: shesh.sharma@ties.itu.int

Mr. Nikolay VARLAMOV
The General Radio Frequency Centre
7 Derbenevskaya Embankment, bldg. 15
MOSCOW 117997
Russian Federation

Tel: +7 495 7480896
Emails: varlamov@ties.itu.int;
intcoop@minsvyaz.ru

Dr. Kyu-Jin WEE
Korea Communications Commission (KCC)
Radio Environment Research Division
29, Wonhyoro 41 gil, YongSan-gu
SEOUL 140-848
Korea (Republic of)

Tel: +82 2 7106500
Tel: +82 10 32556161
Fax: +82 2 7106509
Email: kjwee@kcc.go.kr

CPM-15 Chapter Rapporteurs

Chapter 1 – Mobile and amateur issues

Agenda items 1.1 and 1.2

Ms Cindy-Lee COOK
Director, Mobile Services Engineering
Industry Canada
300 Slater Street
Ottawa, Ontario K1A 0C8
Canada

Tel: +1 613 9983874
Fax: +1 613 9525108
Email: Cindy.Cook@ic.gc.ca

Agenda items 1.3 and 1.4

Mr Charles GLASS
Telecommunications Specialist
National Telecommunications and Information
Administration
Department of Commerce
14th & Constitution Avenue N.W.
Washington, D.C. 20230
United States of America

Tel: +1 202 4821896
Fax: +1 202 5018189
Email: cglass@ntia.doc.gov

Chapter 2 – Science issues

Mr Alexandre VASSILIEV
Vice-Chairman, SG 7
Leningrad Branch of Radio Research and
Development Institute
Bolshoy Smolenskiy lane 4
St. Petersburg
Russian Federation

Tel: +7 812 6006410
Emails: alexandre.vassiliev@ties.itu.int
intcoop@minsvyaz.ru

Chapter 3 – Aeronautical, maritime and radiolocation issues

Mr Martin WEBER
Frequency Manager
Federal Network Agency for Electricity, Gas,
Telecommunication, Post and Railway
Im Gewerbepark A15
93059 Regensburg
Germany

Tel: +49 941 4626230
Tel: +49 172 6752583 (Mobile)
Fax: +49 941 4626180
Email: martin.weber@bnetza.de

Chapter 4 – Satellite services

Sub-Chapter 4.1 – Fixed satellite service

Mr Xiaoyang GAO
Manager
China Satellite Communications Co., Ltd
D13, IFEC No.87 West 3rd Ring North Road
100089 Beijing
China

Tel: +86 10 59718271
Email: gaoxiaoyang@chinasatcom.com

Sub-Chapter 4.2 – Mobile satellite service

Mr Mehdi Abyaneh NAZARI
Expert
International Specialized Organizations Bureau
Communications Regulatory Authority, MICT
Dr. Shariati Ave.,
Tehran
I.R. Iran

Tel: +98 21 88112806
Fax: +98 21 8846 8999
Email: a.nazari@cra.ir

Chapter 5 – Satellite regulatory issues

Mr Khalid AL-AWADHI
Manager Space Services
Telecommunications Regulatory Authority - TRA
P.O. Box 116688, Dubai
United Arab Emirates

Tel: +97 14 2300058
Fax: +97 12 6118 484
Email: khalid.alawadi@tra.gov.ae

Chapter 6 – General issues

Mr Peter N. NGIGE
Frequency Planning Officer
Communications Commission of Kenya (CCK)
Waiyaki Way, P.O. Box 14448
Nairobi 00800
Kenya

Tel: +254 20 4242000
Fax: +254 20 4242407
Email: ngige@cck.go.ke