



XXVth Meeting of CITEC PCC.II
23 – 27 February 2015,
Medellin, Colombia



Update on the preparations for CPM15-2, RA-15 and WRC-15

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Counsellor, ITU-R Study Groups,
Radiocommunication Bureau, ITU

Main Steps towards WRC-15

WRC-12: WRC-15 Agenda > **Resolution 807** (WRC-12)

1st Session Conference Preparatory Meeting CPM15-1
held on 20 – 21 Feb. 2012; **Results** in CA/201 of 19.03.12 + **Add. 1** of 15.01.13

Council-12 Res. 1343 (on line): WRC-15 Agenda, Date & Venue
Subsequently approved by ITU Member States (CV 42/CV 47)

NEW!

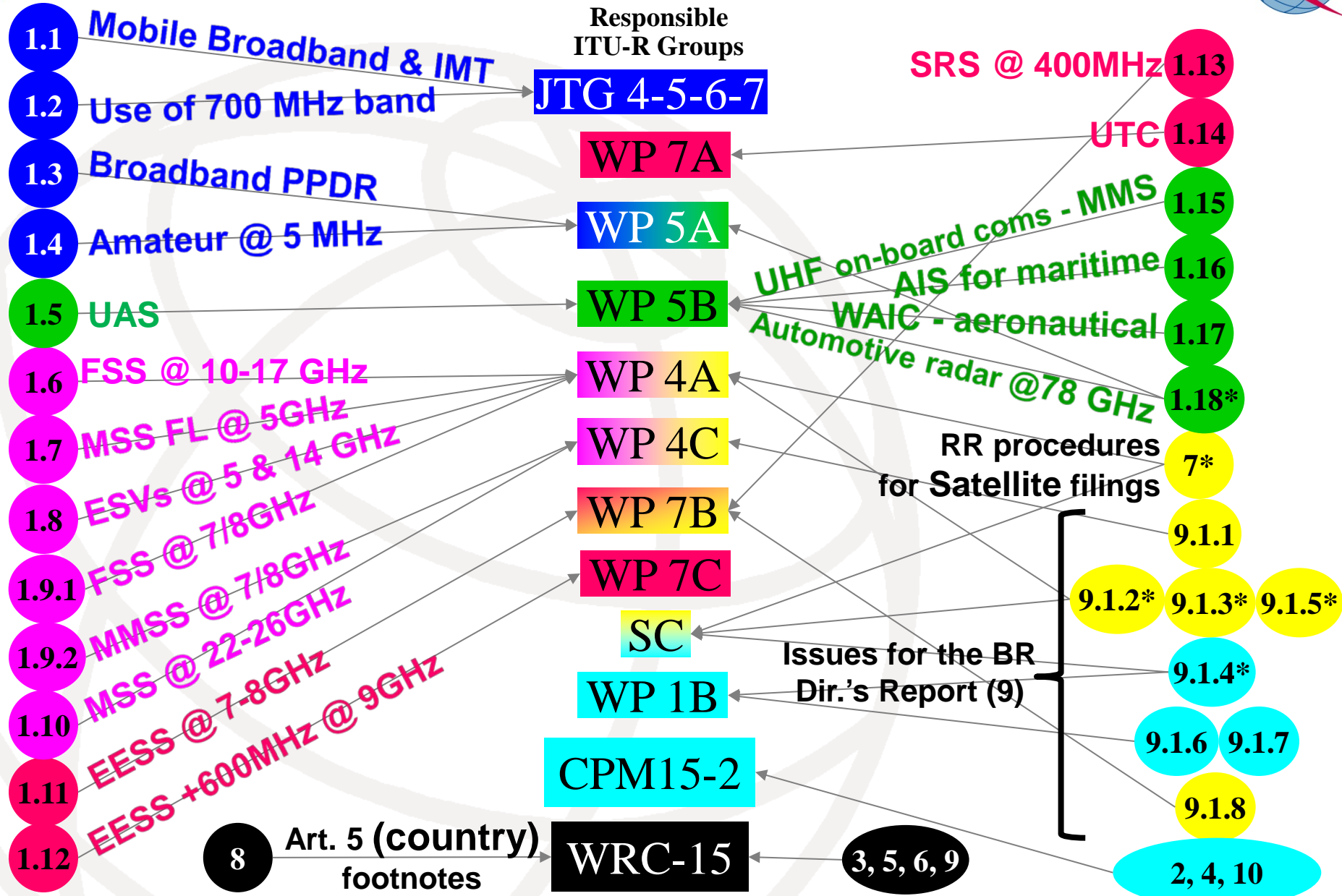
→ PP-14 Res. 185 Global flight tracking for civil aviation

2nd Session Conference Preparatory Meeting CPM15-2
Geneva, 23 March – 2 April 2015 (see CA/216 + Add.1)

Final meetings of regional groups

RA-15: 26-30 Oct. 2015 – WRC-15: 2-27 Nov. 2015

WRC-15 agenda items & Resp. Groups



CPM15-1 Issues under Agenda item 9.1

- 9.1.1**
Res.205 MSS in the band 406-406.1 MHz
- 9.1.2**
Res.756 CA Reduction & technical criteria (RR Nos. 9.41 & 9.7)
- 9.1.3**
Res.11 Satellite orb. & frequency spectrum to deliver International Public Telecommunication Services in developing countries
- 9.1.4**
Res.67 Updating & rearrangement of the RR (excepting several Art.)
- 9.1.5**
Res.154 Existing & future operation of FSS ES @ 3.4-4.2 GHz, as an aid to safe operation of aircraft and reliable distribution of meteorological information in some Reg. 1 countries
- 9.1.6**
Res.957 Review def. of *fixed service*, *fixed station* & *mobile station*
- 9.1.7**
Res.647 SM guidelines for emergency & disaster relief radiocom.
- 9.1.8**
Res.757 Regulatory aspects for nano- and picosatellites

PP-14 Res. 185 [COM5/1]: Global flight tracking for civil aviation



Next Meetings of Resp. Groups



Responsible ITU-R Groups

WRC-15 (agenda items, including issues under AI 9.1)

CPM15-2

SG 6: 23 Feb. 2015

23 Mar. – 2 April 2015

WP 5B (extraordinary meeting on GFT)

11-15 May 2015

WP 7A (5th, AI 1.14)

20 – 25 May 2015

WP 7B (5th, AIs 1.11, 1.13, 9.1.8)

SG 7: 26 May 2015

WP 7C (5th, AI 1.12)

3 – 10 June 2015

WP 1B (5th, AI 9.1 (9.1.4, 9.1.6, 9.1.7))

SG 1: 11-12 June 2015

WP 4C (7th, AI 1.9.2, 1.10, 9.1 (9.1.1))

10-16 June 2015

WP 4A (7th, AIs 1.6, 1.7, 1.8, 1.9.1, 7, 9.1(9.1.2, 9.1.3, 9.1.5))

17-25 June 2015

SG 4: 26 June 2015

WP 5A (6th, AIs 1.3, 1.4, 1.18*)

6-16 July 2015

WP 5B (6th, AIs 1.5, 1.15, 1.16, 1.17, 1.18*)

6-17 July 2015

SG 5: [20-21 July 2015]

SG 6: [July 2015]

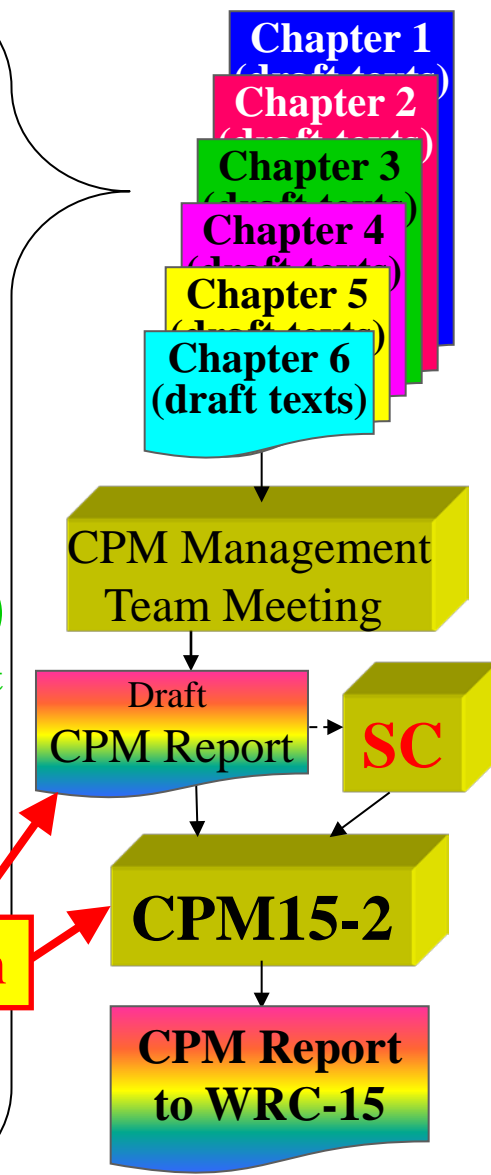
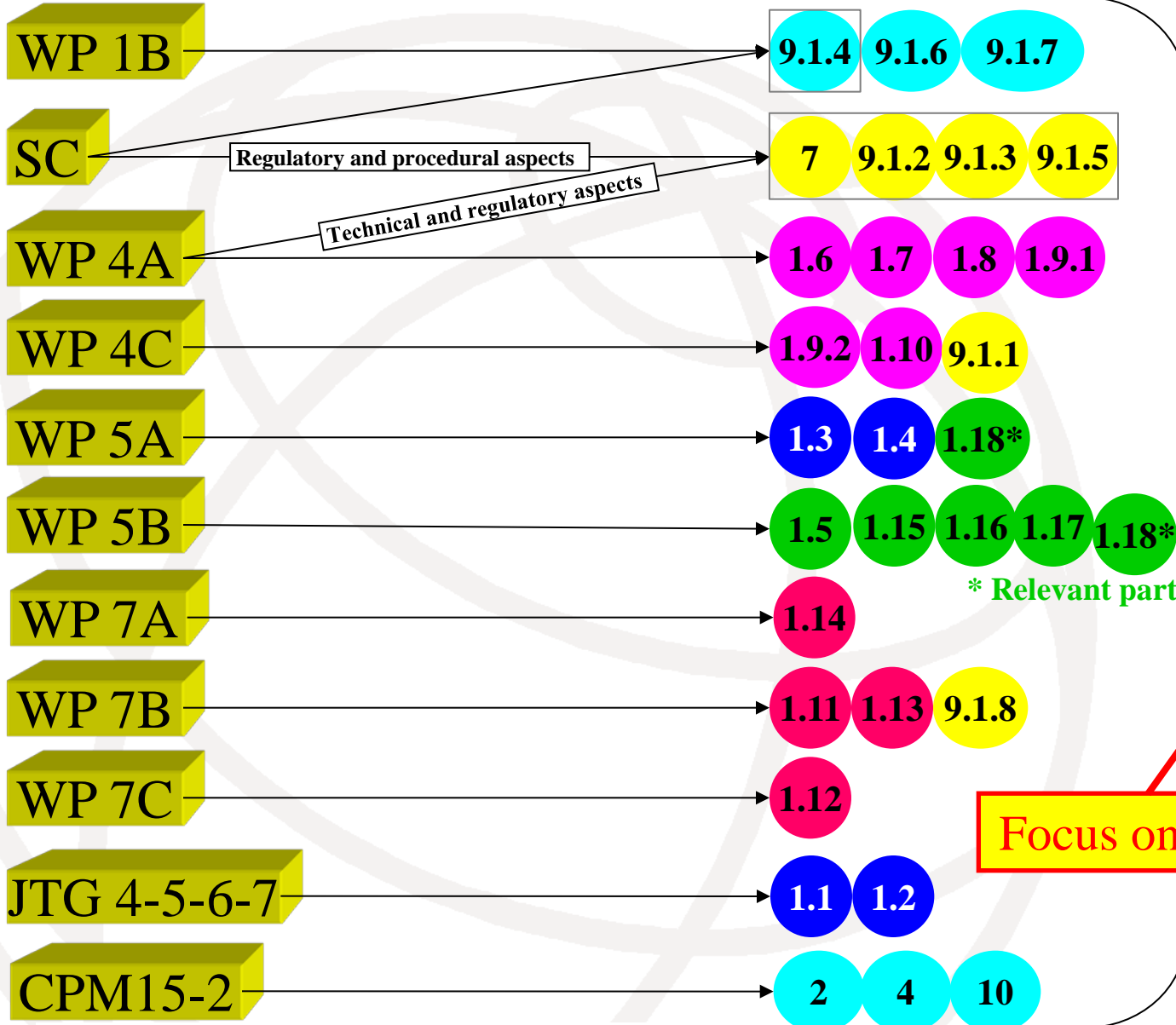
* Relevant part

(see the ITU-R Meetings schedule at www.itu.int/en/events/Pages/Calendar-Events.aspx?sector=ITU-R)

Summary of CPM Report Preparation

Responsible ITU-R Groups

WRC-15 (agenda items, incl. issues under AI 9.1)



Second session of the CPM for WRC-15

(see [Res. ITU-R 2-6](#), Web page at: www.itu.int/ITU-R/go/rcpm)

Geneva, CICG & ITU HQ, **23 March – 2 April 2015**

(Invitation in CA/216+Add.1 at: www.itu.int/md/R00-CA-CIR-0216)

- ⇒ **Prepare consolidated CPM Report to WRC-15**, using:
 - ✓ Draft CPM Report to WRC-15 (see [Doc. CPM15-2/1](#))
 - ✓ Special Committee Report (see [Doc. CPM15-2/2](#))
 - ✓ Contributions from ITU-R membership
(deadline for submission on 9 March 2015)
 - ✓ BR Director's reports on agenda items 2 and 4
- ⇒ **Consider preliminary draft of BR Director's Report to WRC-15**
- ⇒ **Meeting structure should be based on the draft CPM Report structure**
- ⇒ **Final CPM Report to WRC-15 to be approved during CPM15-2**
(until Thursday 2 April), will be compiled immediately after the meeting
- ⇒ **Information to participants in Doc. [CPM15-2/INFO/1](#)**

Conference Preparatory Meeting (CPM)

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In accordance with [Resolution ITU-R 2-6](#), the CPM shall prepare a consolidated Report on the ITU-R preparatory studies and possible solutions to the WRC agenda items, to be used in support of the work of World Radiocommunication Conferences. [More >](#)

Meetings and Events	Related activities	Highlights
---------------------	--------------------	------------

- ▶ ITU-R Meeting schedule
- ▶ Meeting sessions
- ▶ ITU-R Event Registration and Practical Information

SECOND SESSION: CPM15-2

- ▶ Monday 2015-03-23 to Thursday 2015-04-02
- ▶ Place : **Switzerland, Geneva**
- ▶ Status : **Confirmed** - [Add to Calendar](#)
- ▶ Invitation
- ▶ List of Registered Participants
- ▶ Registration
- ▶ CPM meetings Sharepoint site
- ▶ Contributions submission: cpm15-2@itu.int
- ▶ Meeting sessions
- ▶ Captioning **New**
- ▶ Webcast

CPM15-2 DOCUMENTS

- ▶ Contributions "as received"
- ▶ Contributions - Template
- ▶ **Deadline: 9 March 2015, 1600 hours UTC**
- ▶ Guidelines for the Preparation of Contributions **English only**
- ▶ **Draft CPM Report to WRC-15**
- ▶ Administrative Documents (ADM)
- ▶ Information Documents (INFO)
- ▶ Temporary Documents (DT)
- ▶ Informal documents on Sharepoint
- ▶ **Sync Application - For PC - For Mac - User Guide**
- ▶ Administrative Circulars (CA)
- ▶ Administrative Circulars (CACE)
- ▶ Poster
- ▶ CPM - Archives

References	Related ITU-R Texts	Circulars
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- ▶ Radio Regulations
- ▶ WRC-15 Agenda and Relevant Resolutions
- ▶ Working methods (Resolution ITU-R 1)
- ▶ Guidelines for the working methods
- ▶ Conference Preparatory Meeting (Resolution ITU-R 2)
- ▶ Structure of Radiocommunication Study Groups (Resolution ITU-R 4)
- ▶ Special Committee on regulatory/ procedural matters (Resolution ITU-R 38)

➤ **Draft CPM Report to WRC-15 available at:**
www.itu.int/md/R12-CPM15.02-C-0001

➤ **SC Report to CPM15-2 available at:**
www.itu.int/md/R12-CPM15.02-C-0002


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ITU-R CPM15.02 C

ITU-R CPM15.02 Max # of

Second Session of the Conference Preparatory Meeting for WRC-15

Results: 4 total items.

Contributions 

	Number	Received	Source	Title
<input type="checkbox"/>	[2]	2014-12-04	Special Committee on Regulatory/Procedural Matters	Report of the Special Committee to the Conference Preparatory Meeting
<input type="checkbox"/>	[1]	2014-09-12	Director, Radiocommunication Bureau	Draft CPM Report

Results: 4 total items.

Multiple Document Download: Check the boxes of the selected documents, then click "Zip and download"

Methods in the Draft CPM Report

Draft CPM Chapter	1							2				3			
Agenda items	1.1	1.2				1.3	1.4	1.11	1.12	1.13	1.14	1.5			
Issues/bands	19 candidate bands	A (lower edge)	B (BS-IMT)	C (ARNS-IMT)	D (SAB/SAP)	-	-	-	-	-	-	-			
Draft Methods	A	x Options	A	B1	C1	D1	A	A1	A	A1	One	A1	A		
	B-ToA			B2	C2	D2	B	A2	B	A2		A2	B		
	B-FN			B3	C3	D3		A3	C	B			B		
	C (Id)			B4	C4			A4					C1		
					C5				B					C2	
					C6										

Draft CPM Chapter	4.1										1.7	1.8	1.9
Agenda items	1.6 (uplink (↑) or downlink (↓) examined* bands (in GHz) in Regions 1 (1), 2&3 (2,3) or all Regions (all))									-	-	1.9.1	
Issues/bands	10-10.5	13.25-13.4	13.4-13.75	14.5-14.8	14.8-15.35	15.35-15.4	15.4-15.7	15.7-16.6	16.6-17				
Draft Methods		↑D1 (2,3)	↑E1 (all)	↑F1 (all)	↑G1 (all)	↑H1 (2,3)	↑I1 (all)	↑J1 (2,3)	↑K1 (2,3)	One	A	A	
			↑E2 (all)	↑F2 (all)	↑G2 (all)						B	B	
	↓AA1 (1)		↓EE1 (1)	↓FF1 (1)	↓GG1 (1)		↓II1 (1)				C	C	
	↓AA2 (1)		↓EE2 (1)	↓FF2 (1)	↓GG2 (1)						D		
											E		

*no methods proposed for examined bands B (i.e. 10.5-10.6 GHz) and C (i.e. 10.6-10.68 GHz).

Situation after August 2014

Draft CPM Chapter	3				4.2		5							
Agenda items	1.15	1.16			1.17	1.18	1.9	1.10	7					
Issues	-	A (ASM)	B (VDES)	C (sat.)	D (reg.)	-	-	1.9.2	-	A (Susp.)	B (BiU)	C (API)	D (elec.)	E (failure)
Draft Methods	One	A1	B1	C1	D	A	A	A	A	A1	B1	C1	One	E1
		A2	B2	C2		B	B	B	B	A2	B2	C2		E2
									C1		B3	C3		E3
									C2			C4		
												C5		

Current issues in draft CPM Report to WRC-15:

- **A** – Informing the Bureau of a suspension under RR No. **11.49** beyond six months
- **B** – Publication of information on bringing into use of satellite networks at the ITU website
- **C** – Review or possible cancellation of the advance publication mechanism for satellite networks subject to coordination under section II of Article **9** of the Radio Regulations
- **D** – General use of modern electronic means of communications in coordination and notification procedures
- **E** – Failure of a satellite during the ninety-day bringing into use period

Additional issues in SC Report to CPM15-2:

- **F** – Modifications to RR Appendix **30B** in relation to the suspension of use of a frequency assignment recorded in the MIFR
- **G** – Clarification of bringing into use information provided under RR Nos. **11.44/11.44B**
- **H** – Using one space station to bring frequency assignments at different orbital locations into use within a short period of time
- **I** – Possible method to mitigate excessive satellite network filings issue



ITU-R Reports from JTG 4-5-6-7



Doc. to SGs

- ❖ **ITU-R BT.2337** (former [MBB_DTTB_470_694], [5/112](#)) 5&6
- ❖ **ITU-R F.2331** (former [IMT-FS 470-694/698 MHz SHARING], [5/114](#)) ... 5
- ❖ **ITU-R RA.2332** (former [RAS-IMT], [5/113](#)) 5&7
- ❖ **ITU-R BT.2338** (former [SAB_SAP], [5/115](#)) 5&6
- ❖ **ITU-R BT.2339** (former [IMT_DTTB_694-790-CO-CHANNEL], [5/118](#))... 5&6
- ❖ **ITU-R F.2333** (former [FS-IMT 1 350-1 530 MHz CO-CHANNEL SHARING], [5/117](#)).. 5
- ❖ **ITU-R RS.2336** (former [EESS-IMT 1.4 GHz], [5/111](#)) 5&7
- ❖ **ITU-R M.2324** (former [AMT-IMT.SHARING.L-BAND], [5/125](#)) 5
- ❖ **ITU-R BS.2340** (former [BS_IMT], [5/119](#)) 5&6
- ❖ **ITU-R SA.2329** (former [METSAT-IMT 1.7 GHz], [5/116](#)) 5&7
- ❖ **ITU-R SA.2325** (former [EESS-IMT 2 025-2 290 MHz], [5/124](#)) 5&7
- ❖ **ITU-R F.2328** (former [IMT-FS 3 400-4 200 MHz SHARING], [5/120](#)) ... 5
- ❖ **ITU-R [FSS-IMT C-BAND DOWNLINK]**, [5/126](#) 4&5
- ❖ **ITU-R F.2327** (former [IMT-FS 4 400-4 990 MHz SHARING AND COMPATIBILITY], [5/121](#)) ... 5
- ❖ **ITU-R [FSS-IMT C-BAND UPLINK]**, [5/123](#) 4&5
- ❖ **ITU-R F.2326** (former [IMT-FS 5 925-6 425 MHz SHARING], [5/122](#)) ... 5

Final deadlines for reception of contributions by the BR:

- **9 March 2015, 1600 hours UTC**
(two weeks before the meeting, **see also** [CA/216](#))
Submission as soon as possible by Email to: cpm15-2@itu.int

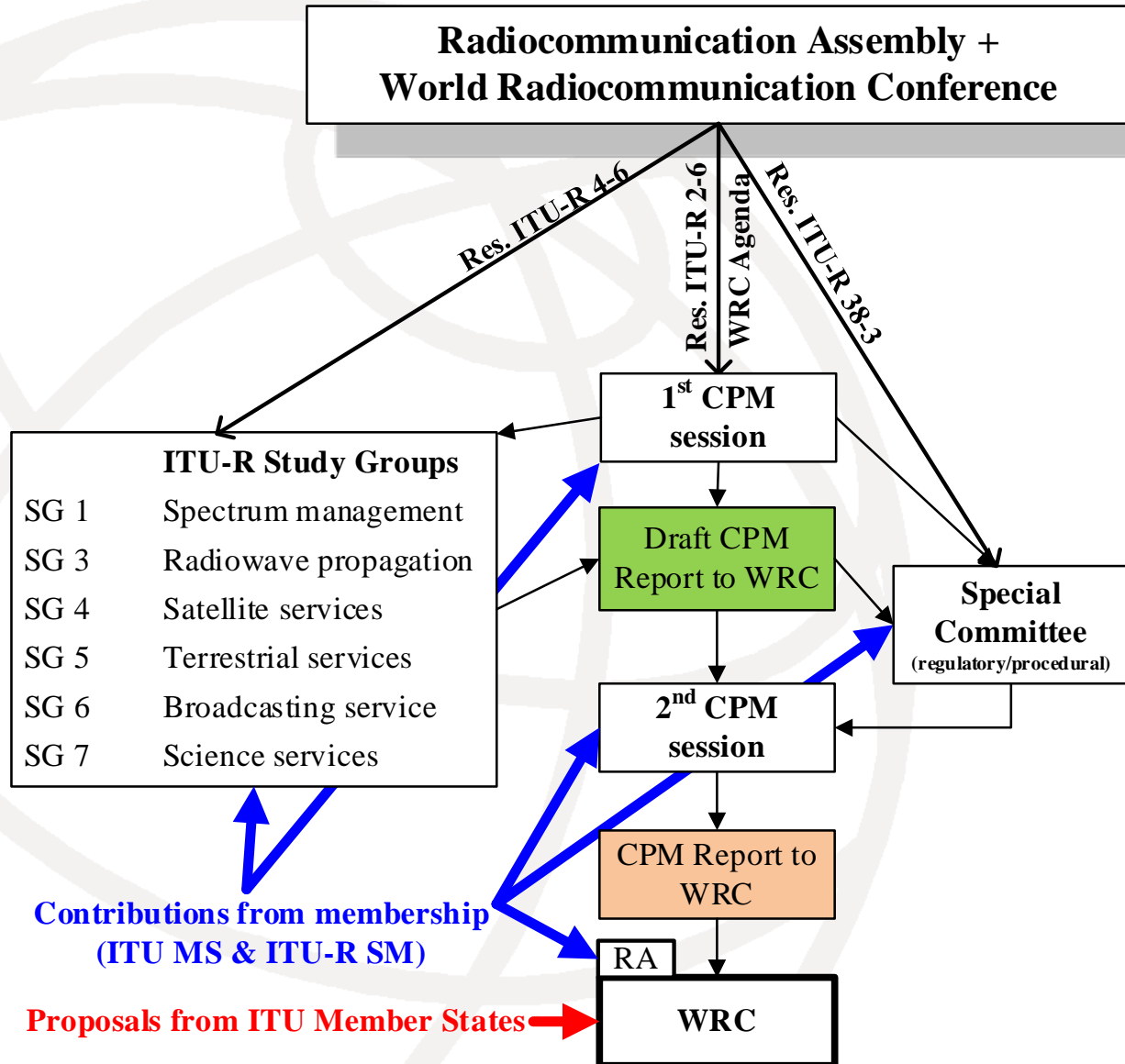
Main Reference/Source documents:

- **2012 Edition of the Radio Regulations**
(at: www.itu.int/pub/R-REG-RR-2012)
- **Draft CPM Report ([Doc. CPM15-2/1](#))**
=> **Examples of changes in the SC Report to CPM15-2 ([Doc. CPM15-2/2](#))**
- **ITU-R contribution templates: www.itu.int/oth/R0A0A000008**

Guidelines for the preparation of contributions:

- **On-line on the [CPM web page](#)**
e.g. use of revision marks with track changes and of **highlights changes in Turquoise in regulatory sections**

See also: Resolution ITU-R 2-6 (www.itu.int/pub/R-RES-R.2-6-2012)
and the results of CPM15-1 in [CA/201 & its Addendum 1](#)



www.itu.int/go/wrc-15

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World radiocommunication conferences (WRC) are held every three to four years. It is the job of WRC to review, and, if necessary, revise the [Radio Regulations](#), the international treaty governing the use of the radio-frequency spectrum and the geostationary-satellite and non-geostationary-satellite orbits. Revisions are made on the basis of an agenda determined by the [ITU Council](#), which takes into account recommendations made by previous world radiocommunication conferences.

The **World Radiocommunication Conference 2015 (WRC-15)** will be held in Geneva, Switzerland, from 2 to 27 November 2015.



INVITATION LETTERS

- ▶ Member States:
 - ▶ [Circular Letter No. 002](#)
- ▶ [State of Palestine](#)
- ▶ [Observers](#)

[Agenda and Relevant Resolutions](#)
[RESOLUTION 185 \(BUSAN, 2014\)](#)
[Global Flight Tracking for Civil Aviation](#)

QUICK LINKS

- ▶ [Radiocommunication Assembly 2015 \(RA-15\)](#)
- ▶ [WRC-15 Logos](#)
- ▶ [World Radiocommunication Conference 2012 \(WRC-12\)](#)
- ▶ [Radiocommunication Assembly 2012 \(RA-12\)](#)

PREPARATORY PROCESS

- ▶ [Conference Preparatory Meeting \(CPM\)](#)
- ▶ [ITU Inter-regional Workshops on WRC-15 Preparation - 2nd Workshop \(12-13 November 2014\)](#)
- ▶ [Regional preparation for WRC-15](#)
- ▶ [Informal Group \(Chairman: Mr. A. Nalbandian \[albert.nalbandian@ties.itu.int\]\(mailto:albert.nalbandian@ties.itu.int\)\)](#)

The Radiocommunication Assembly 2015 will be held from 26-30 October 2015, immediately preceding WRC-15. The duties and functions of the Radiocommunication Assembly are defined in Article 13 of the Constitution and Article 8 of the Convention, while the working methods of the Assembly are described in § 1 of Resolution ITU-R 1-6.

STRUCTURE

To be determined

THIS MEETING

- ▶ Monday 2015-10-26 - Friday 2015-10-30
- ▶ Place : **Switzerland [Geneva]**
- ▶ Status : **Confirmed** - [Add to Calendar](#)
- ▶ Registration and Practical information
- ▶ RA-15 Sharepoint site [TIES](#)
- ▶ Contributions submission: xxx
 - ▶ Templates
- ▶ Meeting sessions
- ▶ Captioning [TIES](#) **New**
- ▶ Webcast [TIES](#)

DOCUMENTS

- ▶ Member Contributions [TIES](#)
- ▶ Study Group Contributions [TIES](#)
 - ▶ Study Group 1 (SG 1) - Spectrum management
 - ▶ Study Group 3 (SG 3) - Radiowave propagation
 - ▶ Study Group 4 (SG 4) - Satellite services
 - ▶ Study Group 5 (SG 5) - Terrestrial services
 - ▶ Study Group 6 (SG 6) - Broadcasting service
 - ▶ Study Group 7 (SG 7) - Science services
 - ▶ Coordination Committee for Vocabulary (CCV)
- ▶ Information Documents (INFO) [TIES](#)
- ▶ Administrative Documents (ADM) [TIES](#)
- ▶ **ITU RA-15 Sync Applications**
- ▶ Informal Documents on SharePoint [TIES](#)
English only

Invitations

Related activities

- ▶ Member states
 - ▶ Circular Letter No. 003 (*Invitation letter to RA-15 for Member States*)
 - ▶ Circular Letter No. XX (*Invitation letter for meeting of Heads of delegations*)
- ▶ Sector Members
(*Invitation letter to RA-15 for Sector Members*)
- ▶ State of Palestine
(*Invitation letter to RA-15 for the State of Palestine*)
- ▶ Observers
(*Invitation letter to RA-15 for Observers*)
- ▶ Administrative Circular CACE/xxx
(*Radiocommunication Assembly preparatory work*)
- ▶ Administrative Circular CACE/xxx
(*Appointment of Chairmen and Vice-Chairmen*)

References

Related ITU-R Texts

Circulars

- ▶ Working methods (Resolution ITU-R 1)
- ▶ Guidelines for the working methods
- ▶ Format of ITU-R Recommendations
- ▶ Structure of Radiocommunication Study Groups (Resolution ITU-R 4)

Summary of Conclusions from the June 2014 RAG meeting in BR Administrative Circular CA/215 at: www.itu.int/md/R00-CA-CIR-0215/en

Monitoring studies on ITU-R Resolutions:

The BR Director, in consultation with the Study Group Chairmen, is invited to compile a list of those SGs already conducting studies on ITU-R Resolutions, with foreseen dates and expected ITU-R deliverables, and report to the next RAG meetings.

(See RAG14-1 [Doc. 20](#) (SG 1), [Doc. 16](#) (SG 4), [Doc. 10](#) (SG 5), [Doc. 18r1](#) (SG 6))

- ▶ Rapporteur's 1st report on revision of Res. ITU-R 1-6 ([Doc. 21r1](#))
 - ⇒ Conclusions on possible revision of Res. ITU-R 1-6
 - ⇒ ToR for new CG in Annex 2 to CA/215 (Mr A. Vallet (F), vallet@anfr.fr)
 - ⇒ Related RAG-14 conclusion to apply PSAA to ITU-R Questions
 - ▶ Proposed revision of Res. ITU-R 6 (see [Doc. RAG13-1/9](#))
- RAG will report final results through the Director to RA-15.

Next RAG meeting on 5-8 May 2015, see [CA/218](#)

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- ▶ [WRC-15 Logos](#)
- ▶ [World Radiocommunication Conference 2012 \(WRC-12\)](#)
- ▶ [Radiocommunication Assembly 2012 \(RA-12\)](#)

www.itu.int/go/wrc-15-regional

Regional preparation for WRC-15

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SHARE



Asia-Pacific Telecommunity (APT)



Arab Spectrum Management Group (ASMG)



African Telecommunications Union (ATU)



European Conference of Postal and Telecommunications Administrations (CEPT)



Inter-American Telecommunication Commission (CITEL)



Regional Commonwealth in the Field of Communications (RCC)

Resolution 72 (Rev. WRC-07)

ASIA-PACIFIC TELECOMMUNITY (APT)

AFRICAN TELECOMMUNICATIONS UNION (ATU)

INTER-AMERICAN TELECOMMUNICATION COMMISSION (CITEL)



CITEL

- ▶ <http://www.citel.oas.org/en/Pages/PCCII>
- ▶ Chairman of the Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences:
Mr. Héctor Budé, Uruguay, hbude@ursec.gub.uy

ARAB SPECTRUM MANAGEMENT GROUP (ASMG)

EUROPEAN CONFERENCE OF POSTAL AND TELECOMMUNICATIONS ADMINISTRATIONS (CEPT)

REGIONAL COMMONWEALTH IN THE FIELD OF COMMUNICATIONS (RCC)



- ▶ <http://www.en.rcc.org.ru>
- ▶ Chairman, RCC WG (WRC-15/RA-15):
Mr. Albert Nalbandian, Armenia, albert.nalbandian@ties.itu.int
- ▶ Preparations for WRC-15 and RA-15

Preparation of common & coordinated proposals (Res. 72 (Rev. WRC-07))



Asia Pacific Telecommunity

- APG15-4, 9-14 February 2015, Bangkok, Thailand
- APG15-5, [27 July-1 Aug.] 2015, [Seoul, Korea (Rep. of)]



Arab Spectrum Management Group

- 2nd meeting, 19-23 May 2014, Dubai, UAE
- 3rd meeting, 15-19 February 2015, Doha, Qatar



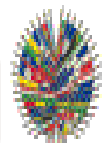
African Telecommunications Union

- APM15-3, 26-30 January 2015, Abuja, Nigeria
- APM15-4, [13-17 July] 2015, [Nairobi, Kenya]



European Conference of Postal and Telecommunications Administrations

- CPG15-6, 3-6 February 2015, Malta
- CPG15-7, [2-5] June 2015, [Portugal]



CITEL

- XXIV PCC.II, 29 Sep. – 3 Oct. 2014, Merida City, Mexico
 - XXV PCC.II, 23-27 February 2015, Medellin, Colombia
- Inter-American Telecommunication Commission



Regional Commonwealth in the field of Communications

- WG 5th, end of 2014, Moscow, Russian Federation
- COM 5th, 4 - 5 December 2014, Astana, Kazakhstan
- WG 6th, 25-27 Feb 2015, Moscow, Russian Federation

ITU Inter-regional Workshops on WRC-15 Preparation



[Webpage](#)

- Scheduled halfway through the preparatory cycle
 - ⇒ Presentation and review of the on-going preparatory studies of the ITU-R responsible groups for CPM-15
 - ⇒ Presentation of the preliminary views, draft priorities and positions of the regional groups
 - ⇒ **Online** archives of video presentations **and** documents



[Webpage](#)

- Scheduled few months prior to CPM15-2
 - ⇒ Presentation of the **Draft CPM Report to WRC-15** (explanation of the draft Methods to satisfy the WRC-15 Agenda items)
 - ⇒ Presentation and review of the regional groups' draft views, positions and common proposals
 - ⇒ **Online** archives of video presentations **and** documents

3rd Meeting, [1-3 Sep. 2015]*

- Planned to be held few months prior to WRC-15
 - ⇒ Presentation of the **CPM & Dir. Reports to WRC-15**
 - ⇒ Presentation and review of the regional groups' draft views, positions and common proposals

* see the ITU-R Meetings schedule at www.itu.int/en/events/Pages/Calendar-Events.aspx?sector=ITU-R

www.itu.int/go/ITU-R/wrc-15-irwsp-14

2nd ITU Inter-regional Workshop on WRC-15 Preparation - Geneva, Switzerland, 12-13 November 2014

The ITU Radiocommunication Bureau will organize the 2nd ITU Inter-regional Workshop on WRC-15 Preparation in the ITU Headquarters in Geneva on 12 and 13 November 2014.



Programme -
Documents

Invitation
Information

Contact -
Posters

► Programme including presentation videos

Programme (Geneva, Switzerland, 12-13 November 2014)

DAY 1 (WEDNESDAY, 12 NOVEMBER 2014)

08:00-09:30 - Registration

09:30-10:15 - Opening and Introduction

- Addresses by:
 - the Deputy Secretary-General of the ITU, Mr. Houlin Zhao
 - the Chairman, Mr. Aboubakar Zourmba (Chairman, CPM-15)Videos: [English](#) - [French](#) - [Spanish](#) - [Русский](#) - [中文](#) - [عربي*](#)

- Status of preparation for CPM15-2, RA-15 and WRC-15 by Mr. Philippe Aubineau (Counsellor, BR)

[Input Document WRC-15-IRWSP-14/20](#)

Videos: [English](#) - [French](#) - [Spanish](#) - [Русский](#) - [中文](#) - [عربي*](#)

DAY 2 (THURSDAY, 13 NOVEMBER 2014)

08:00-09:00 - Registration

09:00-10:40 - Panel Session 4

Review of the WRC-15 agenda items related to the **Maritime, Aeronautical and Radiolocation issues** (agenda items 1.15, 1.16, 1.17, 1.18 and 1.5) (see note 1)

- Presentation by Mr. Martin Weber (CPM-15 Rapporteur for Chapter 3)

[Input Document WRC-15-IRWSP-14/13 Rev.1](#)

Videos: [English](#) - [French](#) - [Spanish](#) - [Русский](#) - [中文](#) - [عربي](#)

- Panelists: Mr. John Lewis ([APT](#)), Mr. Mohammed Alabdulqader ([ASMG](#)), Mr. Abdouramane El Hadjar ([ATU](#)), Mr. Gerlof Osinga/Mr. Hartmut Dunger ([CEPT](#)),

Thank you!

philippe.aubineau@itu.int

Counsellor for ITU-R SG1, SC & CPM

ITU-R Study Groups:

www.itu.int/ITU-R/go/rsg

Email: brsgd@itu.int

ITU-R Conference Preparatory Meeting

www.itu.int/ITU-R/go/rcpm

Email: rcpm@itu.int

Second Session of CPM-15 in Geneva from 23 March to 2 April 2015

Deadline for contributions: 9 March 2015, 1600 hours UTC

(see details at: <http://www.itu.int/online/compass/cvc.v2.sh?topic=CPM>)

Chairman

Mr. A. ZOURMBA (CME), E-mail: aboubakar.zourmba@ties.itu.int

Vice-Chairmen, CPM

Mr M. AL-MUATHEN (UAE), E-mail: almuathen77@hotmail.com

Mr G. FELDHAKE (USA), E-mail: glenn.s.feldhake@nasa.gov

Dr. S. M. SHARMA (IND), E-mail: shesh.sharma@ties.itu.int

Mr. N. VARLAMOV (RUS), E-mails: varlamov@ties.itu.int ;
intcoop@minsvyaz.ru

Dr. K.-J. WEE (KOR), E-mail: kjwee@kcc.go.kr

Chapters of CPM Report

WRC-15 Agenda items

(incl. issues under AI 9.1)

1. Mobile and Amateur issues	1.1, 1.2, 1.3, 1.4
2. Science issues	1.11, 1.12, 1.13, 1.14
3. Aeronautical, Maritime and Radiolocation issues	1.5, 1.15, 1.16, 1.17, 1.18
4. Satellite services	
4.1 Fixed-satellite service	1.6, 1.7, 1.8, 1.9.1
4.2 Mobile-satellite service	1.9.2, 1.10
5. Satellite regulatory issues	7, 9.1.1*, 9.1.2*, 9.1.3*, 9.1.5*, 9.1.8*, 9.3
6. General issues	2, 4, 9.1.4*, 9.1.6*, 9.1.7*, 10

* Issues under AI 9.1

(see details at <http://www.itu.int/ITU-R/go/rcpm-chp-rapporteurs>)

<u>Chapters</u>	<u>Rapporteurs</u>
<p>1. Mobile and Amateur issues</p> <p>- Agenda items 1.1 and 1.2</p> <p>- Agenda items 1.3 and 1.4</p>	<p>Ms C. COOK (CAN), Cindy.Cook@ic.gc.ca</p> <p>Mr Ch. GLASS (USA), cglass@ntia.doc.gov</p>
<p>2. Science issues</p>	<p>Mr A. VASSILIEV (RUS), alexandre.vassiliev@ties.itu.int</p>
<p>3. Aeronautical, Maritime and Radiolocation issues</p>	<p>Mr M. WEBER (D), martin.weber@bnetza.de</p>
<p>4. Satellite services</p> <p>4.1- Fixed-satellite service</p> <p>4.2- Mobile-satellite service</p>	<p>Mr X. GAO (CHN), gaoxiaoyang@chinasatcom.com</p> <p>Mr M.A. NAZARI (IRN), a.nazari@cra.ir</p>
<p>5. Satellite regulatory issues</p>	<p>Mr K. AL-AWADHI (UAE), khalid.alawadi@tra.gov.ae</p>
<p>6. General issues</p>	<p>Mr P.N. NGIGE (KEN), ngige@cck.go.ke</p>

One example of modifications of the Draft CPM Report

3°230-5°003·kHz

Allocation-to-services		
Region-1	Region-2	Region-3
4°063-4°438 271 →	MARITIME MOBILE--5.79A-5.109-5.110-5.130-5.131-5.132	
→ → → →	5.128-5.129	
4°063 271 -4°438 →	MARITIME MOBILE--5.79A-5.109-5.110-5.130-5.131-5.132	
→ → → →	FIXED	
→ → → →	MOBILE except aeronautical mobile (R)	
→ → → →	5.128-5.129 ADD-5.MMI	

Creating another row: Turn-off track-changes, copy the original row from the Radio Regulations (bands 4-063-4-438), turn-on track-changes, make modifications (deletions and additions) and highlight results.

Adding or deleting further: Turn-on track-changes, add text (should then appear as underlined) or delete text (should then appear as strikethrough) and highlight result.

Original text revised

MOD

3°230-5°003·kHz

Allocation-to-services		
Region-1	Region-2	Region-3
4°063-4°438 271 →	MARITIME MOBILE--5.79A-5.109-5.110-5.130-5.131-5.132	
→ → → →	5.128-5.129	
4°063 271 -4°438 351 →	MARITIME MOBILE--5.79A-5.109-5.110-5.130-5.131-5.132	
→ → → →	FIXED	
→ → → →	MOBILE except aeronautical mobile (R)	
→ → → →	5.128-5.129 ADD-5.MMI	
4°063 351 -4°438 →	MARITIME MOBILE--5.79A-5.109-5.110-5.130-5.131-5.132	
→ → → →	MOBILE except aeronautical mobile (R)	
→ → → →	5.128-5.129 ADD-5.MMI	

Another example of modifications of the Draft CPM Report

Original text

MOD

5.543A In Bhutan, Cameroon, Korea (Rep. of), the Russian Federation, India, Indonesia, Iran (Islamic Republic of), Japan, Kazakhstan, Lesotho, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, the Philippines, Kyrgyzstan, the Dem. People's Rep. of Korea, Sri Lanka, Thailand and Viet Nam, the allocation to the fixed service in the band 31-31.3 GHz may also be used by systems using high altitude platform stations ~~(HAPS)~~ in the ground-to-HAPS direction (HAPS). The use of the band 31-31.3 GHz by systems using HAPS is limited to the territory of the countries listed above and shall not cause harmful interference to, nor claim protection from, other types of fixed-service systems, systems in the mobile service and systems operated under No. 5.545. ~~Furthermore, the development of these services shall not be constrained by HAPS. Systems using HAPS in the band 31-31.3 GHz shall not cause harmful interference to the radio astronomy service having a primary allocation in the band 31.3-31.8 GHz, taking into account the protection criterion as given in Recommendation ITU-R RA.769. In order to ensure the protection of satellite passive services, the level of unwanted power density into a HAPS ground station antenna in the band 31.3-31.8 GHz shall be limited to -106 dB(W/MHz) under clear sky conditions, and may be increased up to -100 dB(W/MHz) under rainy conditions to mitigate fading due to rain, provided the effective impact on the passive satellite does not exceed the impact under clear sky conditions. See Resolution 145 (Rev.WRC-07).~~ (WRC-07)

Deleting proposed new text:
 Turn on track changes, delete the text (should then appear as **underlined and strikethrough**) and **highlight result.**

Reinstating text proposed to be deleted:
 Turn on track changes, reject revision mark to the text (should then appear as **clean text**) and **highlight result.**

Adding or deleting further:
 Turn on track changes, add text (should then appear as **underlined**) or delete text (should then appear as **strikethrough**) and **highlight result.**

Original text revised

MOD

5.543A In Bhutan, Cameroon, Korea (Rep. of), the Russian Federation, India, Indonesia, Iran (Islamic Republic of), Japan, Kazakhstan, Lesotho, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, the Philippines, Kyrgyzstan, the Dem. People's Rep. of Korea, Sri Lanka, Thailand and Viet Nam, the allocation to the fixed service in the band 31-31.3 GHz may also be used by systems using high altitude platform stations (HAPS) in the ground-to-HAPS direction (HAPS). The use of the band 31-31.3 GHz by systems using HAPS is limited to the territory of the countries listed above and shall not cause harmful interference to, nor claim protection from, other types of fixed-service systems in the broadcasting service, systems in the mobile service and systems operated under No. 5.545. Furthermore, the development of these services shall not be constrained by HAPS. Systems using HAPS in the band 31-31.3 GHz shall not cause harmful interference to the radio astronomy service having a primary allocation in the band 31.3-31.8 GHz, taking into account the protection criterion as given in Recommendation ITU-R RA.769. In order to ensure the protection of satellite passive services, the level of unwanted power density into a HAPS ground station antenna in the band 31.3-31.8 GHz shall be limited to -106 dB(W/MHz) under clear-sky conditions, and may be increased up to -100 dB(W/MHz) under rainy conditions to mitigate fading due to rain, provided the effective impact on the passive satellite does not exceed the impact under clear-sky conditions. See Resolution 145 (Rev.WRC-07). (WRC-07)

Radio Regulations 2012 Edition

Radio Regulations
Edition of 2012

<http://www.itu.int/pub/R-REG-RR-2012>



The Radio Regulations, Edition of 2012, contains the complete texts of the Radio Regulations as adopted by the World Radiocommunication Conference (Geneva, 1995) (WRC-95) subsequently revised and approved by the World Radiocommunication Conference (Geneva, 1997) (WRC-97), the World Radiocommunication Conference (Istanbul, 2000) (WRC-2000), the World Radiocommunication Conference (Geneva, 2003) (WRC-03), the World Radiocommunication Conference (Geneva, 2007) (WRC-07) and the World Radiocommunication Conference (Geneva, 2012) (WRC-12), including all Appendices, Resolutions, Recommendations and ITU-R Recommendations incorporated by reference.



Available: end-November 2012. (Online versions in all 6 languages are free of charge --at least through mid-2014--as per ITU Council 2012's decision)



ITEM DETAIL		ARTICLE	PRICE	CART
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ENGLISH	Zipped PDF format		Free of charge	DOWNLOAD
	Zipped MS Word format		Free of charge	DOWNLOAD
	A5 Paper (hard-copy complete set)	37262	398 CHF	ADD
ARABIC			Free of charge	DOWNLOAD

Abbreviations	Radio services	RR definition
AMS	aeronautical mobile service	No. 1.32
AM(R)S	aeronautical mobile (route) service	No. 1.33
AMSS	aeronautical mobile-satellite service	No. 1.35
AMS(R)S	aeronautical mobile-satellite (route) service	No. 1.36
ARNS	aeronautical radionavigation service	No. 1.46
ARNSS	aeronautical radionavigation-satellite service	No. 1.47
ARS	amateur service	No. 1.56
ARSS	amateur-satellite service	No. 1.57
BS	broadcasting service	No. 1.38
BSS	broadcasting-satellite service	No. 1.39
EESS	Earth exploration-satellite service	No. 1.51
FS	fixed service	No. 1.20
FSS	fixed-satellite service	No. 1.21
ISS	inter-satellite service	No. 1.22
LMS	land mobile service	No. 1.26
LMSS	land mobile-satellite service	No. 1.27
MetAids	meteorological aids service	No. 1.50
MetSat	meteorological-satellite service	No. 1.52

Abbreviations	Radio services	RR definition
MMS	maritime mobile service	No. 1.28
MMSS	maritime mobile-satellite service	No. 1.29
MRNS	maritime radionavigation service	No. 1.44
MRNSS	maritime radionavigation-satellite service	No. 1.45
MS	mobile service	No. 1.24
MSS	mobile-satellite service	No. 1.25
RAS	radio astronomy service	No. 1.58
RDS	radiodetermination service	No. 1.40
RDSS	radiodetermination-satellite service	No. 1.41
RLS	radiolocation service	No. 1.48
RLSS	radiolocation-satellite service	No. 1.49
RNS	radionavigation service	No. 1.42
RNSS	radionavigation-satellite service	No. 1.43
SOS	space operation service	No. 1.23
SFTSS	standard frequency and time signal service	No. 1.53
SFTSSS	standard frequency and time signal-satellite service	No. 1.53
SRS	space research service	No. 1.55