



Regional Forum on Optimization
and Efficient Use of Spectrum
13 July 2015
Cancun, Mexico



Preparations for RA and WRC-15

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The Role of ITU-R

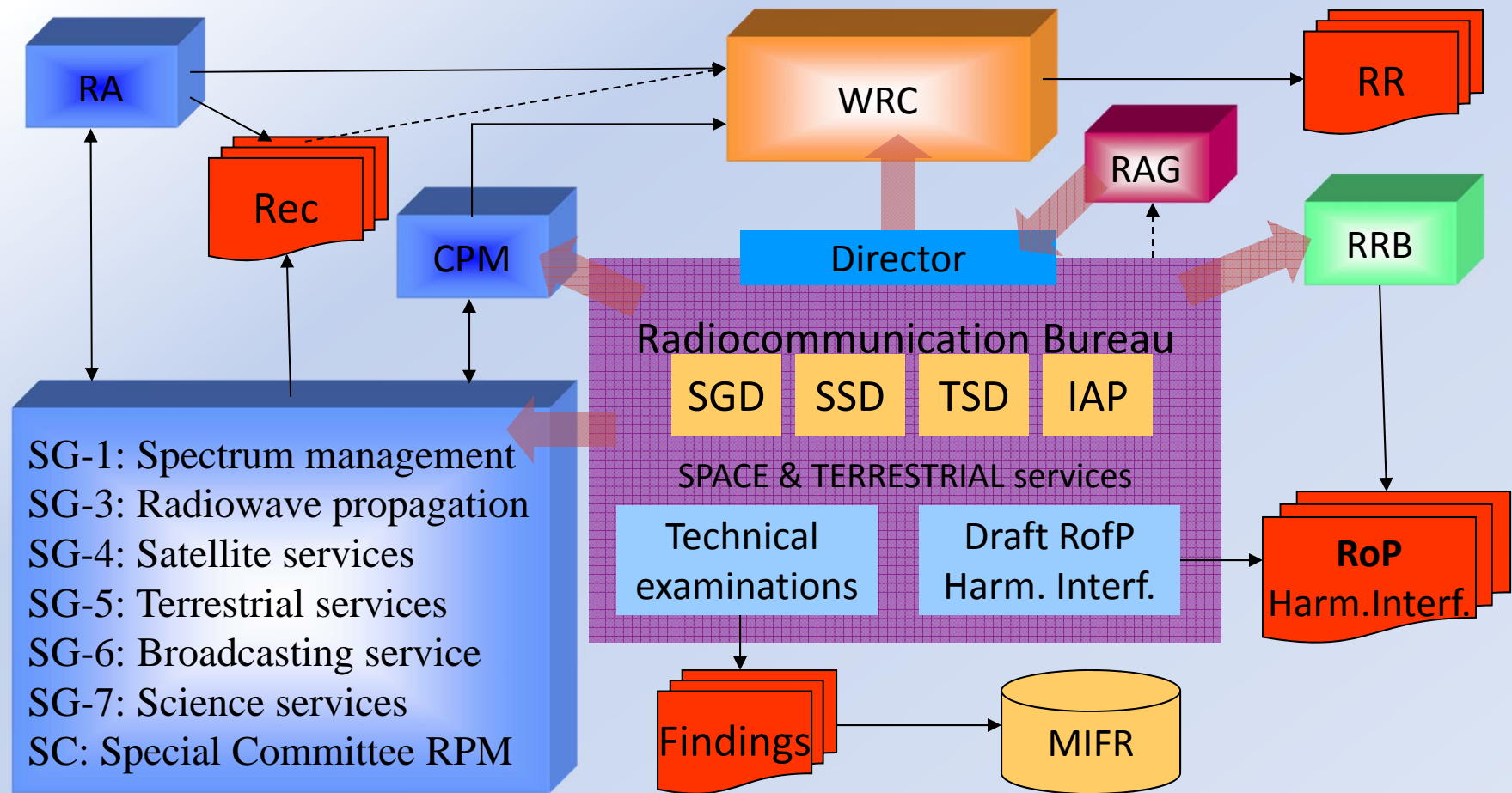
To provide an enabling environment for the development of radiocommunications:

- Worldwide spectrum regulations and harmonization
- Coordination and recording of frequency assignments
- Worldwide standards and best practices on spectrum usage
- Informing and assisting membership



Radiocommunication Sector (ITU-R)

Structure & Activities



SG-1: Spectrum management
 SG-3: Radiowave propagation
 SG-4: Satellite services
 SG-5: Terrestrial services
 SG-6: Broadcasting service
 SG-7: Science services
 SC: Special Committee RPM

CPM: Conference Preparatory Meeting
 MIFR: Master International Frequency Registry
 RA: Radiocommunication Assembly
 RAG: Radiocommunication Advisory Group
 Rec: ITU-R Recommendations (international standards, mandatory if incorporated by reference in RR)

RoP: Rules of Procedure
 RR: Radio Regulations (international treaty)
 RRB: Radio Regulations Board
 SGs: Study Groups
 WRC: World Radiocommunication Conference

WRC Purpose

✓ Update the Radio Regulations

- Spectrum allocations
- Coordination and notification procedures
- Administrative and operational procedures



✓ Adopt Resolutions

✓ Held every 3-4 years (CS 90)

Main steps towards WRC-15

From WRC-12: WRC-15 Agenda in 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 2012 Res. 1343: WRC-15 Agenda, Date & Venue
PP-14 Res. 185: Global Flight Tracking for Civil Aviation

2nd Session Conference Preparatory Meeting CPM15-2 held on 23 March –2 April 2015; Result: Report of the CPM to WRC-15

Final meetings of regional groups

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

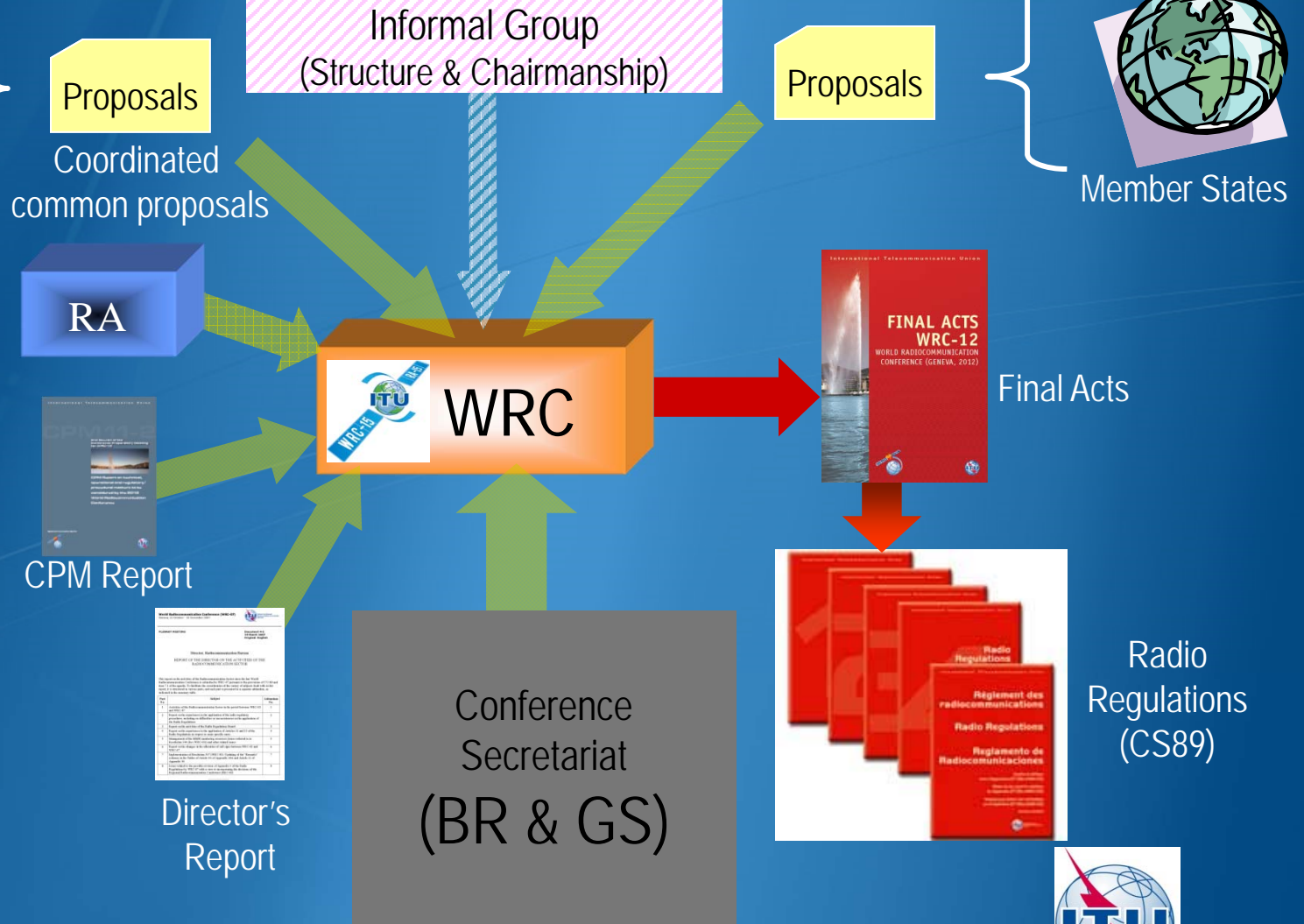


The WRC Process

Agenda: by previous WRC, finalized by ITU Council + PP-14 Res. 185



Regional preparation
Resolution 72 (Rev. WRC-07)



National / Regional Preparations a Key element for success



Arab Spectrum Management Group

- Harmonization of regional positions
- Collaborate in resolving differences in WRC agenda items
- Plan for the following WRC

Topics on WRC-15 Agenda



**Mobile
Broadband**

(IMT < 6GHz,

UHF band,
PPDR)

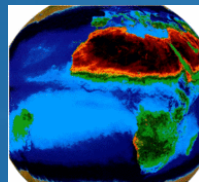


**Amateur radio
for emergency
@ 5 MHz**

**UTC
leap
second**



**Space
Research**



**Climate
monitoring**

**Weather
forecast**



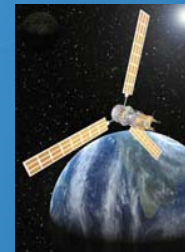
**Maritime (AIS,
UHF On-board Coms)**



**Aeronautical
(UAS in FSS, WAIC)**



**Automotive Radar
(RLS@78Ghz)**



Satellite allocations
(FSS @ 10-17 GHz
FSS&MMSS @ 7/8GHz
MSS @ 22-26GHz)



Regulatory
(Sat. regulations,
harmonization of
spectrum use, etc.)

WRC-15 Agenda items

- 1.1 Mobile Broadband & IMT
- 1.2 Use of 700 MHz band
- 1.3 Broadband PPDR
- 1.4 Amateur @ 5 MHz
- 1.5 UAS / FSS
- 1.6 FSS @ 10-17 GHz
- 1.7 MSS FL @ 5GHz
- 1.8 ESVs @ 5 & 14 GHz
- 1.9.1 FSS @ 7/8GHz
- 1.9.2 MMSS @ 7/8GHz
- 1.10 MSS @ 22-26GHz
- 1.11 EESS @ 7-8GHz
- 1.12 EESS +600MHz @ 9GHz
- 1.13 SRS @ 400MHz
- 1.14 UTC – Leap second
- 1.15 MMS
- 1.16 UHF on-board coms
- 1.17 AIS for maritime
- 1.18 Aeronautical WAIC
- 1.18* Automotive radar RLS @78 GHz
- 7* Satellites regulation
- 8 RR Art. 5 (country footnotes) spectrum use harmonization



BR Director's Report to WRC-15 with some issues from WRC resolutions, e.g.:
 Coord-Arc, MSS @ 406Mhz, nano/pico-sat., etc.

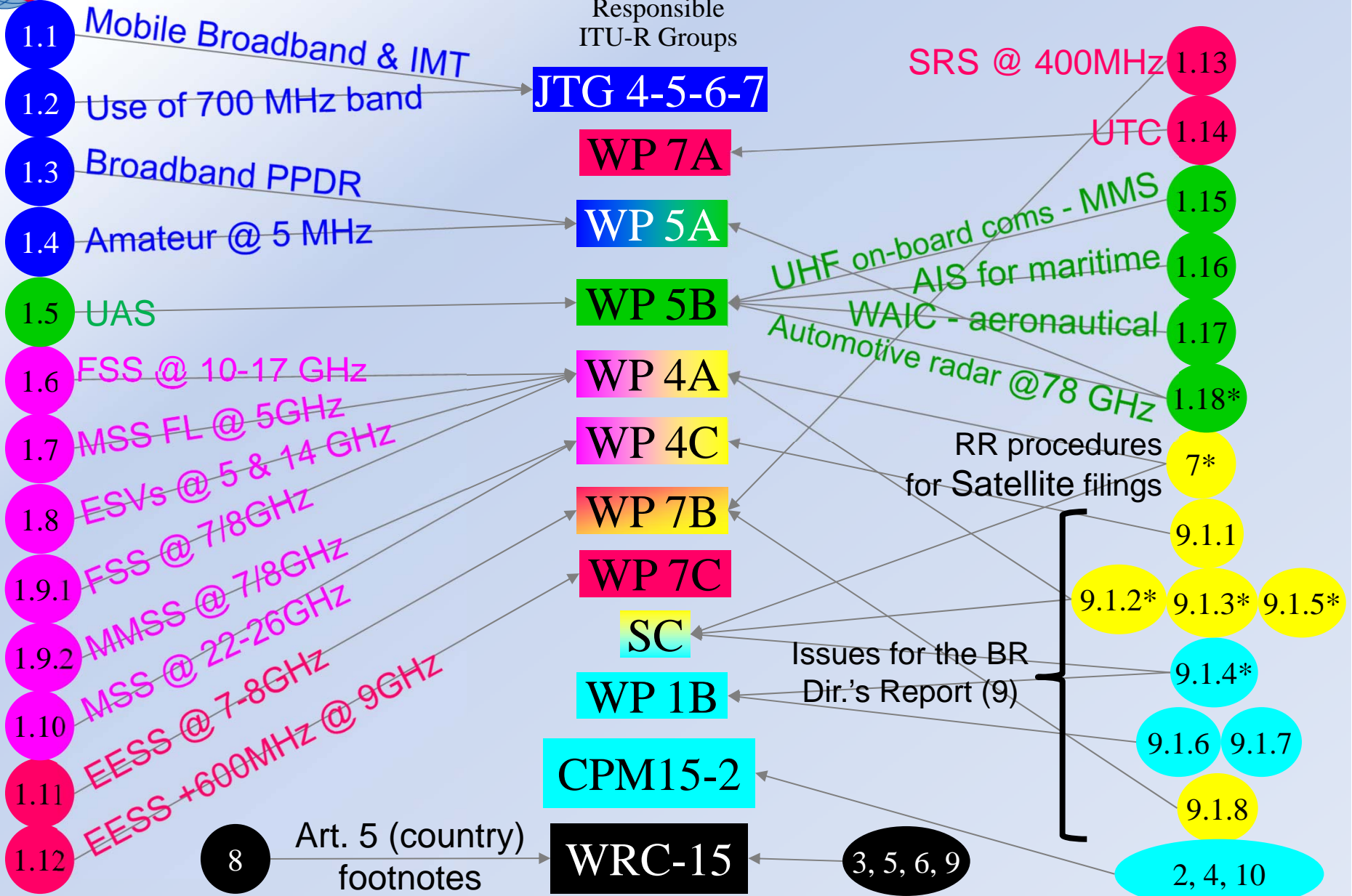
9
 Regional

in, Mexico





WRC-15 Agenda items & Resp. Groups





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



Issues under Agenda item 9.2



9.2.1 Defining radio stations operating in the MetAids

9.2.2 Clarification of the use of deep space allocations in regard to certain provisions of the Radio Regulations

+ PP-14 Res. 185: Global flight tracking (GFT) for civil aviation

On-going studies:

- ITU-R WP 5B on aspects related to the aeronautical mobile service & radiodetermination service
- ITU-R WP 4C on aspects related to the mobile-satellite service & radiodetermination-satellite service

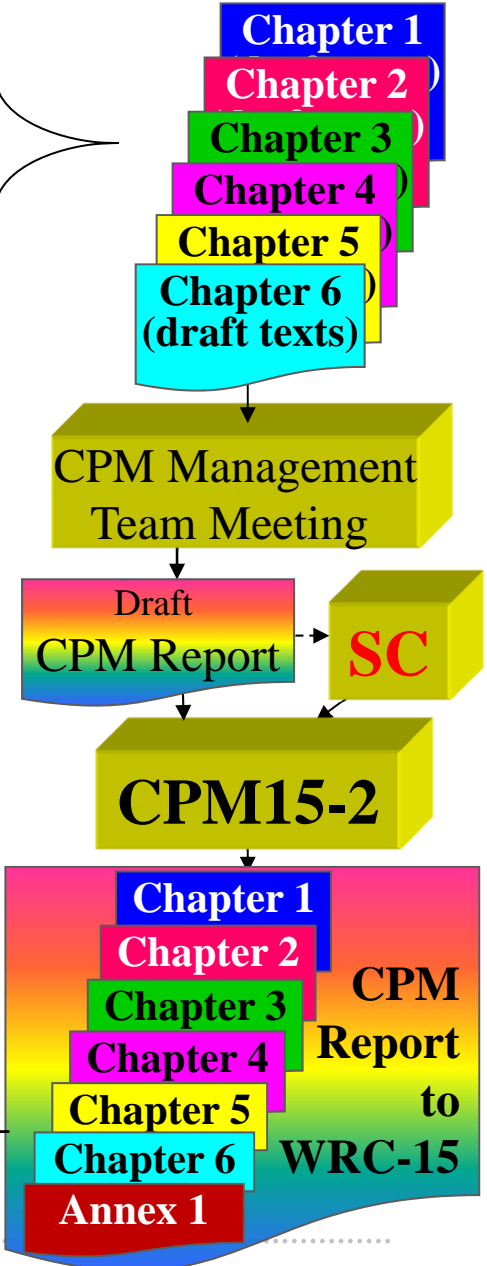
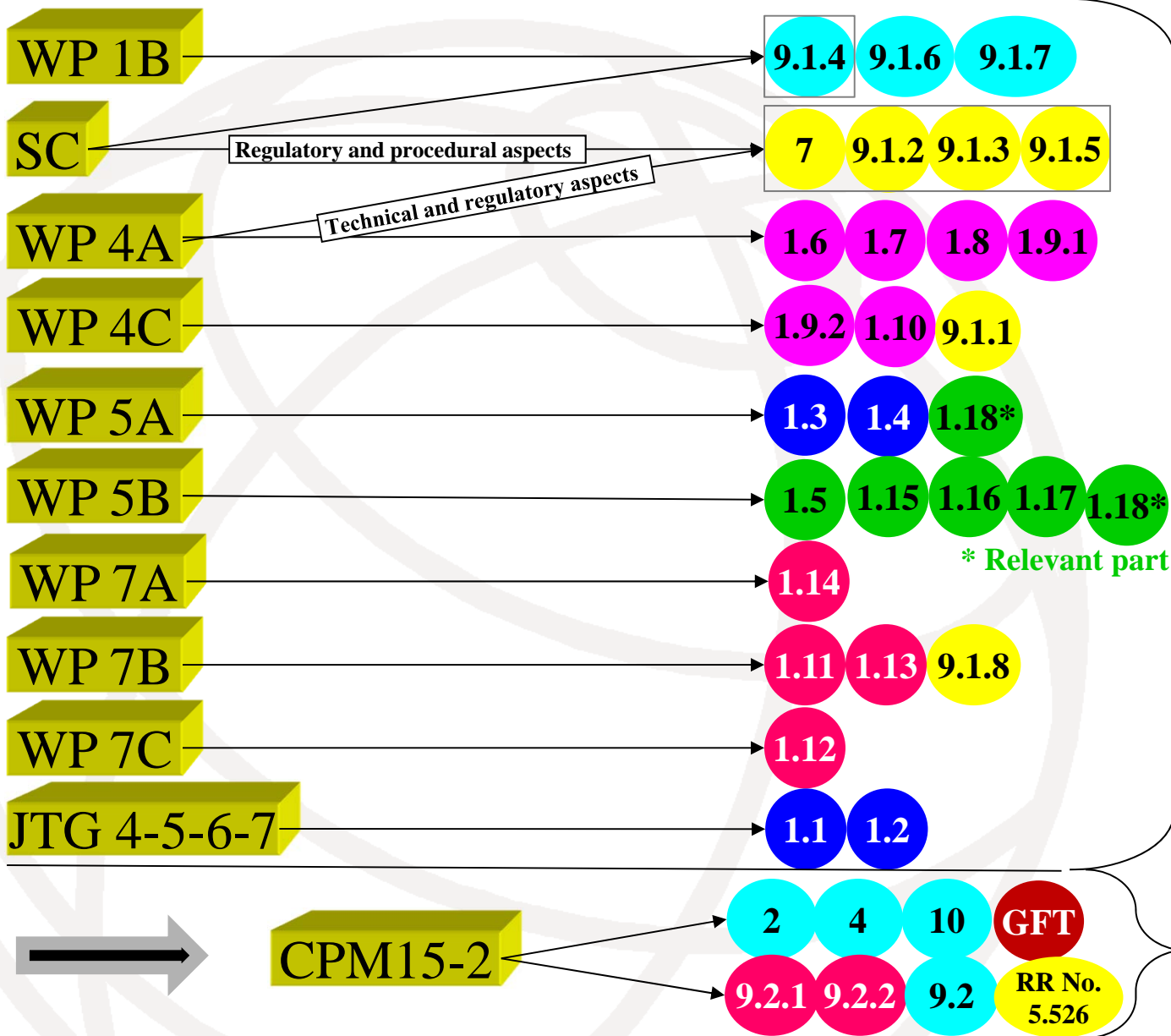


Summary of CPM Report Preparation



Responsible ITU-R Groups

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





WRC-15 Documents & Proposals



▶ Document Access

In accordance with no. 9 of Annex 2 to Decision 5 (Rev. Busan, 2014) **WRC-15 will be completely paperless**. An **ITU TIES account** is required to access WRC-15 documents and other electronic resources.

▶ WRC-15 Documents (TIES protected):

- ▶ Contributions (C)
- ▶ Series of texts submitted by the Editor (First Reading - Blue)
- ▶ Series of texts submitted by the Editor (Second Reading - Pink)
- ▶ Temporary Documents (DT)
- ▶ Information Documents (INFO)
- ▶ Administrative Documents (ADM)

▶ Submission of Proposals:

- ▶ **Deadline for the Submission of Proposals: 19 Oct. 2015** (see Resolution 165 (Guadalajara, 2010))
- ▶ MS Word Templates
- ▶ **Preparation of proposals for the work of WRC-15 (Guidelines)**
- ▶ **Conference Proposal Interface (CPI)**
This tool has been developed to help Member States to prepare and submit WRC-15 proposals.
- ▶ Proposal Management System
This tool provides an easy-to-use web access to the proposals for the work of the Conference
- ▶ Radio Regulations - Edition of 2012
- ▶ ITU Style Guide
- ▶ ITU Terms and Definition Database
- ▶ **Sync Application - For PC - For Mac - User Guide**
- ▶ **WRC-15 SharePoint**



RA-15 Web Page



www.itu.int/go/ra-15

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
- ▶ Invitation
- ▶ List of Registered Participants **TIES**
- ▶ Registration and Practical information
- ▶ RA-15 Sharepoint site **TIES**
- ▶ Contributions submission: xxx
 - ▶ Templates
- ▶ Meeting sessions
- ▶ Captioning **TIES** *New*

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**

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/716 (*Radiocommunication Assembly preparatory work*)
- ▶ Administrative Circular CACE/726 (*Appointment of Chairmen and Vice-Chairmen*)

References Related ITU-R Texts Circulars

- ▶ Working methods (Resolution ITU-R 1)
- ▶ Guidelines for the working methods

➤ **RA-15 preparatory work** **Contribution deadline: 12 Oct'15**

➤ **Appointment of Chairmen and Vice-Chairmen (SGs, CPM, etc.)**



ITU Inter-regional Workshops on WRC-15 Preparation



- 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



- 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



- Scheduled 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

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



WRC-15-IRWSP-15

3rd ITU Inter-regional Workshop on WRC-15 Preparation

Preliminary Programme (Geneva, 1-3 September 2015)



* Presentation and explanation of the common views, positions and/or proposals on the topics on the WRC-15 agenda from the regional groups, with references to the relevant parts of the CPM Report to WRC-15 and to positions of other organizations. The order of presentations is indicative at this stage and may be subsequently modified as appropriate

| Day 1 (Tuesday, 1 Sept. 2015) | Day 2 (Wednesday, 2 Sept. 2015) | Day 3 (Thursday, 3 Sept. 2015) |
|--|--|---|
| 0930-1000 hours Opening | 0900-1020 hours WRC-15 agenda item 1.1 * | 0900-1020 hours WRC-15 agenda item 7 * |
| 1000-1020 hours – Break | 1020-1040 hours – Break | 1020-1040 hours – Break |
| 1020-1200 hours Status of the overall ITU and Regional Groups preparations for RA-15 and WRC-15 | 1040-1200 hours WRC-15 agenda items 1.2 and 1.3 * (incl. information on AI 9.1 (9.1.7)) | 1040-1200 hours WRC-15 agenda items 7 (Cont'd) and 9.1 (issue 9.1.2) * (incl. information on AI 9.1 issues 9.1.3, 9.1.5, 9.1.8) |
| 1200-1400 hours – Break | 1200-1400 hours – Break | 1200-1400 hours – Break |
| 1400-1530 hours WRC-15 agenda item 1.5 and Global flight tracking for civil aviation (Resolution 185 (Busan, 2014)) * (incl. information on AIs 1.17 & 1.18) | 1400-1520 hours WRC-15 agenda items 1.6, 1.8 and 1.9.1 * (incl. information on AI 1.7) | 1400-1520 hours WRC-15 agenda items 1.11, 1.12 and 1.14 * (incl. information on AI 1.13) |
| 1530-1550 hours – Break | 1520-1540 hours – Break | 1520-1540 hours – Break |
| 1550-1700 hours WRC-15 agenda items 1.16 and 1.4 * (incl. information on AI 1.15) | 1540-1700 hours WRC-15 agenda items 1.9.2 and 1.10 * (incl. information on AI 9.1 (9.1.1)) | 1540-1700 hours - WRC-15 agenda item 10 - Conclusion and closing |

**Thank you for your
attention!**

RA-15: www.itu.int/go/ra-15

RA-15, Geneva from 26-30 October 2015

WRC-15: www.itu.int/go/wrc-15

WRC-15, Geneva from 2-27 November 2015

