

ITU Regional Radiocommunication Seminar for Americas (RRS-14-Americas)

ITU

Island of Tobago, Trinidad & Tobago, 14-18 July 2014

# **WRC-15 AGENDA**

World Radiocommunication Conference 2015

(WRC-15) will be held in Geneva, Switzerland,

from 2 to 27 November 2015.

WRC-15 Agenda was drafted during

the past WRC-12 (WRC-12 Res. 807)

Approved by the ITU Council

in 2012 (C12 Res. 1343)

Week before: Radio Assembly: Geneva, Switzerland,

from 26 to 30 October 2015

Week after: WRC-19 CPM-1: Geneva, Switzerland,

30 November & 1st December 2015





# **WRC-15 AGENDA**

- **1.** Allocations: Items 1: 1.1 to 1.18 (incl. 1.6.1 & 1.6.2; 1.9.1 & 1.9.2)
- 2: ITU-R Recommendations incorporated by reference
- 3: RR changes and amendments
- 4: Res. and Rec. of previous WRC
- 5: Report from the Radiocommunication Assembly
- 6: Urgent items to ITU-R SG for next WRC
- **7:** Review Res. 86 related to rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;
- 8: country footnotes
- 9: BR Director Report (items 9.1 to 9.3)
- 10: Agenda Next WRC (WRC-18), and Draft Agenda WRC-19

# **WRC-15 Timelines**

February – December 2012		January – December 2013		January – December 2014		January – September 2015		26-30 Oct. 2015	2-27 Nov. 2015
	Meetings o	SC-WP 6-12 Dec.  Years of st  f Responsible Groups and Stu		udy Groups			M15-2 to 2/4		
CA/201 CPM 15-1 Results 19 Mar.	CPM-15 Steering 18 Dec.	Add.1 to CA/201 15 Jan.	Current Situation  [CPM-15 Steering, if necessary]	f	Peadline or draft PM texts L5 Aug.  CPM-15 Management Feam 1-5 Sep.			RA-15	WRC-15
C-12, 4-13 Jul WRC-15			ITU Workshop on WRC-15 Prep. 4-5 Dec.		ITU Workshop WRC-15 Prep. 12&13 Nov. Publication D CPM Repo	rt	ITU Workshop WRC-15 Prep. [Q3] Publication CPM Report		
Agenda					Sep.14 (E); Jai	1.15	April		



# WRC-15 Regional Meetings



- •APG15-2, 1-5 July 2013, Bangkok, Thailand
- •APG15-3, 9-13 June 2014, Brisbane, Australia

Asia Pacific Telecommunity



- •2<sup>nd</sup> meeting, 24 28 November 2013, Kuwait
- $\bullet$ 3<sup>rd</sup> meeting, 19 23 May 2014, Dubai, UAE

Arab Spectrum Management Group



- •2<sup>nd</sup> meeting, 27-31 January 2014, Khartoum, Sudan
- •3rd meeting, [Q4] 2014

African Telecommunications Union



- •CPG15-4, 25-28 March 2014, Riga, Latvia
- •CPG15-4, 23-26 September 2014, France

European Conference of Postal and Telecommunications Administrations



- •XXIII PCC.II, 17-21 March 2014, Cartagena, Colombia
- •XXIV PCC.II, 29 Sep.-3 Oct. 2014, Mexico

**Inter-American Telecommunication Commission** 



- •WG 3<sup>rd</sup> meeting, 29 Oct. 1 Nov. 2013, Yerevan, Armenia
- •WG 4th meeting, 14 16 April 2014, Minsk, Belarus
- •COM 4<sup>th</sup> meeting, 17 18 April 2014, Minsk, Belarus
  Regional Commonwealth in the field of Communications



#### **BROADBAND**

- Additional spectrum for mobile BB applications (and band identification for IMT)
- Use of the 700 MHz band in Region 1 by the mobile (with IMT Id.) and other services
- Additional spectrum for Broadband PPDR for a revision of Res. 646 (Rev. WRC-12)



- Possible additional primary allocations for FSS:
  - 250 MHz (Reg. 1) for E-S & S-E, within 10-17 GHz to overcome shortfall in spectrum available at 10-15 GHz
  - 250 MHz (Reg. 2) & 300 MHz (Reg. 3) for E-S, within the 13-17 GHz, to overcome the bandwidth limitation in E-S vs. S-E
- Review regulatory provisions of current FSS allocations



- Possible new FSS & MMSS allocations at 7/8 GHz to increase spectrum available for current & future FSS applications, estimated at ~100 MHz max for MMSS, to address operations beyond territorial waters with additional regulatory measures
- Spectrum requirements & possible additional allocations to MSS, incl. Sat. comp. for BB applications (IMT), 22-26 GHz



- Review the use of the band 5091-5150 MHz by the FSS (E-to-S) (limited to feeder links of N-GSO MSS systems)
- Review provisions relating to ESVs at 5.925-6.425 & 14-14.5 GHz, to take account of the technological advancements and compatibility improvements
- Regulatory notification/coordination procedures for an efficient use of spectrum/orbit resources Res.86
- Coordination Arc reduction and technical criteria
- Protection of the MSS in the band 406-406.1 MHz



- Satellite orb. & frequency spectrum to deliver International Public Telecommunication Services in developing countries
- FSS ES operation at 3.4-4.2 GHz, as an aid to safe operation of aircraft & reliable distribution of meteorological information in some Reg. 1 countries
- Regulatory aspects for nano- & pico-satellites



#### **AERONAUTICAL SERVICES**

- Unmanned Aircraft Systems Consider use of FSS bands (not App. 30/30A/30B) for control and nonpayload communications of UAS in non-segregated airspaces
- Consider possible spectrum requirements & regulatory actions, including appropriate aeronautical allocations, to support WAIC



#### **MARITIME SERVICES**

- Consider spectrum demands for on-board communication stations in the maritime mobile service (MMS) in the UHF band
- Regulatory provisions & spectrum allocations to enable possible new AIS technology and other new applications to improve maritime radiocommunication



#### CLIMATE MONITORING, WEATHER FORECAST

#### **Earth observations**

- New primary allocation to EESS (E-to-S) at 7/8 GHz to accommodate ↑ & ↓ TT&C in the same transponder, increasing efficiency and reducing satellite complexity, [56 MHz] needed
- Extension of current EESS (active) allocation at 9.3-9.9 GHz by up to 600 MHz within the bands 8.7-9.3 GHz and/or 9.9-10.5 GHz for future high-resolution radars (SAR) to satisfy global environment monitoring of great value for the global community (50 cm resolution → 1200 MHz bandwidth)

#### SPACE RESEARCH

Possibility of increasing the 5 km distance limitation & allowing SRS (S-to-S) use of the 410-420 MHz band for proximity operations by space vehicles communication with orbiting manned space vehicle)



#### **RADAR**

Consider a primary allocation to the RLS at 77.5-78.0 GHz for automotive applications (with short range high resolution radars)



#### AMATEUR RADIO FOR EMERGENCY

New secondary allocation at 5.25-5.45 MHz to bridge the propagation gap between 3.5 & 7.0 MHz amateur radio bands and maintain stable communication over various distances & 24 hours/day, especially for use when providing emergency communications



#### SPECTRUM MANAGEMENT

- Updating & rearrangement of the RR (excepting Art. 1, 4-9, 11, 13-18, 21-23 & 59)
- Review of definitions of fixed-service, fixed stations and mobile station
- Spectrum management guidelines for emergency & disaster relief radiocommunication



### **WRC-15** web sites

## Main page (and booklet):

http://www.itu.int/en/ITU-R/conferences/wrc/2015/Pages/default.aspx

#### CPM:

http://www.itu.int/en/ITU-R/study-groups/rcpm/Pages/default.aspx

# **Interregional Workshops:**

http://www.itu.int/en/ITU-R/conferences/wrc/2015/irwsp/Pages/default.aspx

## Regional Meetings:

http://www.itu.int/en/ITU-R/conferences/wrc/2015/Pages/reg-prep.aspx



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