

**3rd ITU INTER-REGIONAL WORKSHOP
ON WRC-15 PREPARATION
(Geneva, 1 – 3 September 2015)**

**Panel Session 9
WRC-15 Agenda items
1.11, 1.12 & 1.14**

**(With information on
AI 1.13, 9.2.1 & 9.2.2)**

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**3rd ITU INTER-REGIONAL
WORKSHOP ON WRC-15
PREPARATION**

**GENEVA, SWITZERLAND
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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 (WRC-12)**

- Resolution **650 (WRC-12)** calls for study of the spectrum requirements and compatibility studies 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.
- Resolution **650** indicates that priority is given to the band 7 145-7 235 MHz. Also it is to be noted that under agenda item 1.9.1, possible new allocations to the FSS in the frequency band 7 150-7 250 MHz (space-to-Earth) are also being considered.

- **Method A** - This method proposes to add a global primary allocation to the EESS (Earth-to-space) in the frequency band 7190-7250 MHz with different conditions establishing protection of currently allocated services.
- **Method B** - This method is similar to Method A, except operation of EESS systems in the frequency band 7190-7235 MHz is subject to obtaining agreement under RR No. 9.21 with regard to the SOS.
- **Method C** - No change

AI 1.11 Regional Positions







	 APT	 ASMG	 ATU	 CEPT	 CITEL	 RCC
A – Allocation with no RR 9.21 requirement	Supports (Modified)		Supports	Supports	Supports	Does Not Object
B – Allocation with RR 9.21 requirement		Supports				
C – No change						

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 (WRC-12)**

- Resolution **651 (WRC-12)** calls for a 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.

- **Method A** – Primary EESS (active) allocation in the frequency band 9 900-10 500 MHz with 2 options: Method A1 (with two sub-options) and Method A2 (which includes PFD limits to protect FS).
- **Method B** – Primary EESS (active) allocation in the frequency bands 9 200-9 300 MHz and 9 900-10 400 MHz with 2 options: Method B1 and Method B2 (which includes PFD limits to protect FS).
- **Method C** – Primary EESS (active) allocation in the frequency bands 9 200-9 300 MHz and 10 000-10 100 MHz, and secondary allocation in the frequency band 9 900-10 000 MHz.
- **Method D** – No change

AI 1.12 Regional Positions

 Method	 ASMG	 ATU	 CEPT	 CITEL	 RCC	
A – 9 900-10 500 MHz (P)			Some Support (A2)		Supports (A1, Opt 2)	Supports (A2)
B – 9 200-9 300 MHz & 9 900- 10 400 (P)	Supports (B2)		Some Support (B1)	Supports (B1)		
C – 9200-9300 MHz & 10.0-10.1 GHz (P), 9900-10 000 MHz (s)						
D – No change		Supports	Some Support			

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 (WRC-12)**

- Resolution **652** calls for 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; and for WRC-15 to consider modifying No. **5.268** to allow the removal or relaxation of the 5 km distance limitation without modifying the current pfd limits and to clarify more general use of the 410-420 MHz band for SRS (space-to-space) systems beyond extra-vehicular activities.

- **Method** – The proposed method is to modify RR No. 5.268 to remove the 5 km distance limitation and not solely limit the use of the frequency band 410-420 MHz for extra-vehicular activities.

AI 1.13 Regional Positions








 Method	 ASMG	 ATU	 CEPT	 CITEL	 RCC	
Removal of 5 km distance and EVA limitation	Supports	Supports	Supports	Supports	Supports	Supports

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 (WRC-12)** which calls for studies on the feasibility of achieving a continuous reference time-scale for dissemination by radiocommunication systems

- Resolution **653 (WRC-12)** recognizes that that a change in the reference time-scale may have operational and therefore economic consequences on telecommunications networks.

- **Method A** – Remove the leap second insertion or deletion from the definition of UTC in order to make it become a continuous time-scale and either **(A1)** retain the name UTC or **(A2)** adopt a new name.
- **Method B** – Keep the current definition of UTC, disseminate the UTC time-scale and also disseminate a continuous time-scale (TAI) on an equal basis.
- **Method C** – Keep the current definition of UTC and enable the recovery of the International Atomic Time (TAI) **(C1)** or disseminate another continuous system timescale **(C2)**.
- **Method D** – No change

AI 1.14 Regional Positions

 Method	 APT	 ASMG	 ATU	 CEPT	 CITEL	 RCC
A – Remove “leap second” from UTC	Supports (A1)		Some Support (A1)	Some Support (A1)	Supports (A1)	Does not Support
B – Keep UTC but disseminate a continuous time scale				Does not Support		
C – Keep UTC but enable recovery of TAI or use a continuous time scale			Some Support	Some Support (C1/C2)		
D – No change		Supports				Supports

to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on any difficulties or inconsistencies encountered in the application of the Radio Regulations:

Issue of defining radio stations operating in the meteorological aids service

- Make modifications to RR Article 1 to include definitions of a radio station operating within the meteorological aids service (land and mobile).

AI 9.2.1 Regional Positons







 Method	 ASMG	 ATU	 CEPT	 CITEL	 RCC
Add new definitions to RR Article 1		Supports	Supports		Supports

to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on any difficulties or inconsistencies encountered in the application of the Radio Regulations:

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

- **Method A** – Add a provision to Article 4 describing the permitted use of space research service (deep space) allocations near the Earth such as during launch, early orbit, flying by the Earth, and returning to the Earth.
- **Method B** – Modify the definition of space research service in Article 1 to add specific provision for SRS (deep space) operations near the Earth.

AI 9.2.2 Regional Positons

 Method	 ASMG	 ATU	 CEPT	 CITEL	 RCC	
A – Add a new provision to Article 4 to clarify the use of deep space allocations		Supports			Supports	Supports
B – Modify the definition of “space research service” in Article 1 to add specific provision for SRS (deep space) operations near the Earth.			Supports			