



**2nd ITU INTER-REGIONAL WORKSHOP
ON WRC-15 PREPARATION
(Geneva, 12 – 13 November 2014)**

**Satellite Allocation
Issues (MSS)**

**Panel- 6 Discussions on
WRC-15 Agenda items
1.9.2, 1.10**

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WORKSHOP ON WRC-15
PREPARATION**

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- **A.I. 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***

- **A.I. 1.10: *possible additional spectrum allocations for the mobile-satellite service within the frequency range from 22 GHz to 26 GHz***

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

Method A of the Draft CPM Report:

No allocation to the MMSS in the 7/8 GHz band

Method B of the Draft CPM Report:

The 7 375-7 750 MHz & 8 025-8 400 MHz bands would be allocated to the MMSS for GSO satellites

Conditions:

- Application of pfd limits in Table **21-4** of RR Article **21** in the 7 375-7 750 MHz band for MMSS downlink.
- Coordination under RR Nos. **9.21** and **9.7** for MMSS satellite networks.

Coordination of MMS earth stations and other services:

- **Option A:** under RR Nos. **9.21** & **9.17, 9.17A, 9.18**
- **Option B:** Adoption of Resolution for implementation of Exclusion zone around FS, EESS and SRS stations

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 (WRC-12);

Method A of the Draft CPM Report: No allocation to the MSS within the 22-26 GHz frequency band

Method B of the Draft CPM Report: Allocate the bands 23.15-23.55 GHz (s-to-E) & 25.25-25.5 GHz (E-to-s) to the MSS

Conditions:

- MSS allocation shall be limited only to GSO;
- Application of pfd limits for transmitting space stations in the frequency band 23.15-23.55 GHz;
- Application of e.i.r.p. limits for transmitting space stations in the frequency band 23.15-23.55 GHz;
- Coordination of MSS stations with ISS in accordance with RR No. **9.7**;
- Coordination of MSS transmitting earth stations with FS and MS receiving stations under RR No. **9.17** in the frequency band 25.25-25.50 GHz

Method C of the Draft CPM Report:

Allocations for the MSS,

Method C1: in **space-to-Earth** direction for GSO systems,

Option C1a: of the 24.25-24.55 GHz band

Option C1b: of the 22.65-22.95 GHz band

Conditions:

- pfd limits for transmitting space stations shall be met
- Coordination of MSS stations with the ISS in accordance with RR No. **9.7** in the frequency band 22.65-22.95 GHz (s-to-E)
- Coordination of MSS space stations under RR No. **9.7**

Method C2: in **Earth-to-space** direction for GSO systems,

Option C2a: of the 24.25-24.55 GHz band

Option C2b: of the 25.25-25.50 GHz band

Conditions:

- Coordination of MSS space stations under RR No. **9.7**
- Coordination with the ISS under RR No. **9.7**
- Apply RR No. **9.17** to ensure protection of terrestrial services