WRC'23 Results

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Highlighted WRC-23 Satellite Results

- Ku-Band NGSO FSS Earth Stations in Motion (ESIMs)
- Ka-Band GSO FSS ESIMs
- Co-existence measures for BSS and FSS in 17 GHz in Region 2 (Americas)
- Ka-Band Inter-Satellite Links (ISLs)
- Updated regulatory procedures to support increased deployment of large non-GSO constellations while ensuring GSO and mobile protection



Satellite WRC-23 Study Items

- Q/V Band ESIMs
- Small antenna FSS uplinks in 13/14 GHz
- 50 GHz Non-geosynchronous (NGSO) gateways
- New 17 GHz FSS downlink and BSS downlink in Region 3 (Asia); epfd NGSO limits in Regions 1 (EMEA) and 3
- Explicit agreement for NGSO systems
- Equitable access to the Q/V Band
- 71/81GHz Art 21 limits on FSS/BSS/MSS to protect terrestrial services
- MSS L-Band and C-Band ISLs
- Low-data rate NGSO MSS in L-Band and S-Band
- Direct-to-Device MSS IMT between 694/698 MHz and 2.7 GHz
- "Generic" MSS 2 GHz
- Lunar communications (surface, and lunar orbit-surface) in Space Research Service in low-, mid- and Ka-Band



WRC-23 Results - 3.3-3.8 GHz-Core 5G Band

	Region 1	Region 2	Region 3
3.3-3.4 GHz	 WRC-23 did not allocate band for Mobile in Region 1 Outside Europe, Region 1 countries joined footnotes allocating band for Mobile and identifying it for IMT 	WRC-23 elevated Mobile's status in the band to co-primary in Americas and identified it for IMT	 WRC-23 did not allocate band for Mobile in Region 3 Region 3 countries joined footnotes allocating the band for Mobile and identifying it for IMT
3.4-3.6 GHz	Identified globally for IMT at WRC-15	Identified globally for IMT at WRC-15	Identified globally for IMT at WRC-15
3.5-3.6 GHz	Globally allocated for co-primary Mobile	Globally allocated for co-primary Mobile	Singapore joined about a dozen other countries in a footnote identifying the band for IMT
3.6-3.8 GHz	 Upgraded Mobile allocation to co-primary Large number of Middle Eastern and African countries created a footnote to identify the now-co-primary mobile allocation for IMT Handful of additional African countries identify 3.6-3.7 GHz to mobile on a secondary basis Same countries identify 3.7-3.8 GHz for IMT 	 3.6-3.7 GHz Regional co-primary IMT identification 3.7-3.8 GHz U.S. and about a dozen and a half countries in a co-primary footnote identification to IMT 	Mobile co-primary in the band - no IMT identifications



WRC-23 Results - 6 GHz

Region 1	Region 2	Region 3
 6 425-7 125 MHz is identified for IMT: (Note 5.6A12) The frequency bands are also used for the implementation of WAS/RLANs. 	 In Brazil and Mexico: (Note 5.6C12) 6 425-7 125 MHz is identified for IMT. The implementation of IMT is subject to agreement with neighboring countries. The frequency bands are also used for the implementation of WAS/RLANs. 	 7 025-7 125 MHz is identified for IMT: (Note 5.6A12) The frequency bands are also used for the implementation of WAS/RLANs. In Cambodia, Lao P.D.R., and Maldives: (Note 5.6B12) 6 425-7 025 MHz is identified for IMT



WRC-23 Results - IMT Bands

Region 1	Region 2	Region 3
Bands under study for WRC-27 (IMT):	Bands under study for WRC-27 (IMT):	Bands under study for WRC-27 (IMT):
 4 400-4 800 MHz (or parts thereof); 	 7 125-8 400 MHz (or parts thereof); 	 4 400-4 800 MHz (or parts thereof);
7 125-7 250 MHz7 750-8 400 MHz (or part thereof);	• 14.8-15.35 GHz	7 125-8 400 MHz (or parts thereof);14.8-15.35 GHz
• 14.8-15.35 GHz		

