WRC-27 Agenda Item 1.7 India preparations

17 March 2026

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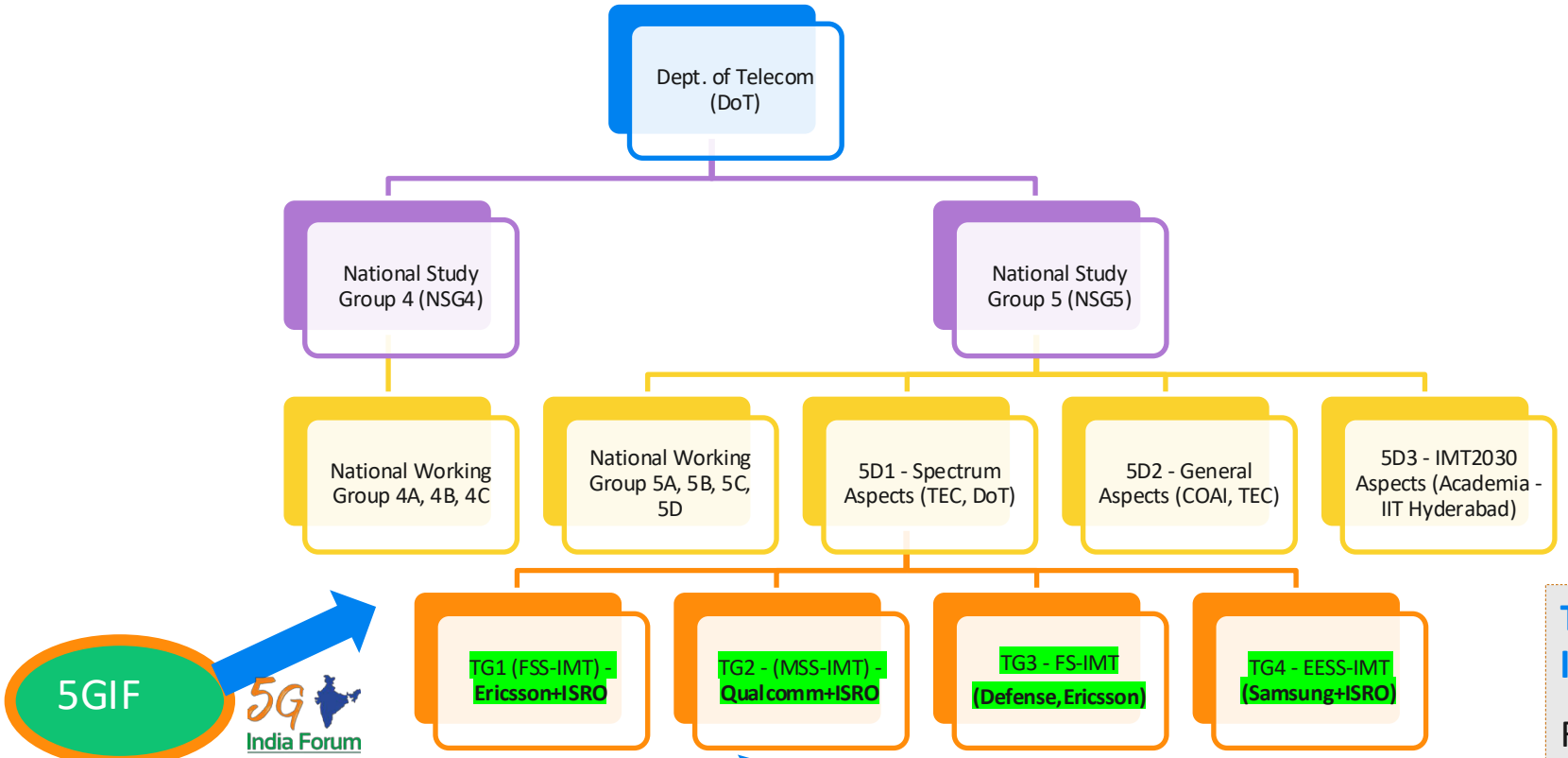
Group Function - Standards & Industry Initiatives

WRC-27: AIs

Fixed, Mobile and Radiolocation issues	Mobile Satellite issues	Science issues	Fixed Satellite and broadcasting satellite	General issues
1.7 IMT identification (RES 256)	1.11 Space-to-space	1.15 SRS allocations	1.1 ESIM 50 GHz	2 incorporation by ref in RR
1.8 Radiolocation >230 GHz	1.12 MSS low data rate NGSO	1.16 RAS protection	1.2 FSS UL 14 GHz	4 editorial review
1.9 Appendix 26	1.13 MSS D2D (RES253)	1.17 Space weather sensors	1.3 Gateway earth stations 51 GHz	8 deletion footnotes
1.10 FS and mobile protection @71- 76 GHz and 81-86 GHz from FSS, MSS, BSS	1.14 MSS 2 GHz (RES254)	1.18 EESS protection > 81 GHz	1.4 FSS 17 GHz	10 AI for WRC-31
		1.19 EESS 4 200-4 400 MHz and 8 400-8 500 MHz, (RES 674)	1.5 unauthorized FSS, MSS	
			1.6 FSS 37, 42, 47, 50 GHz	
			7 Resolution 86	

https://www.itu.int/en/ITU-R/study-groups/rcpm/Pages/wrc-27-studies.aspx

National Structure



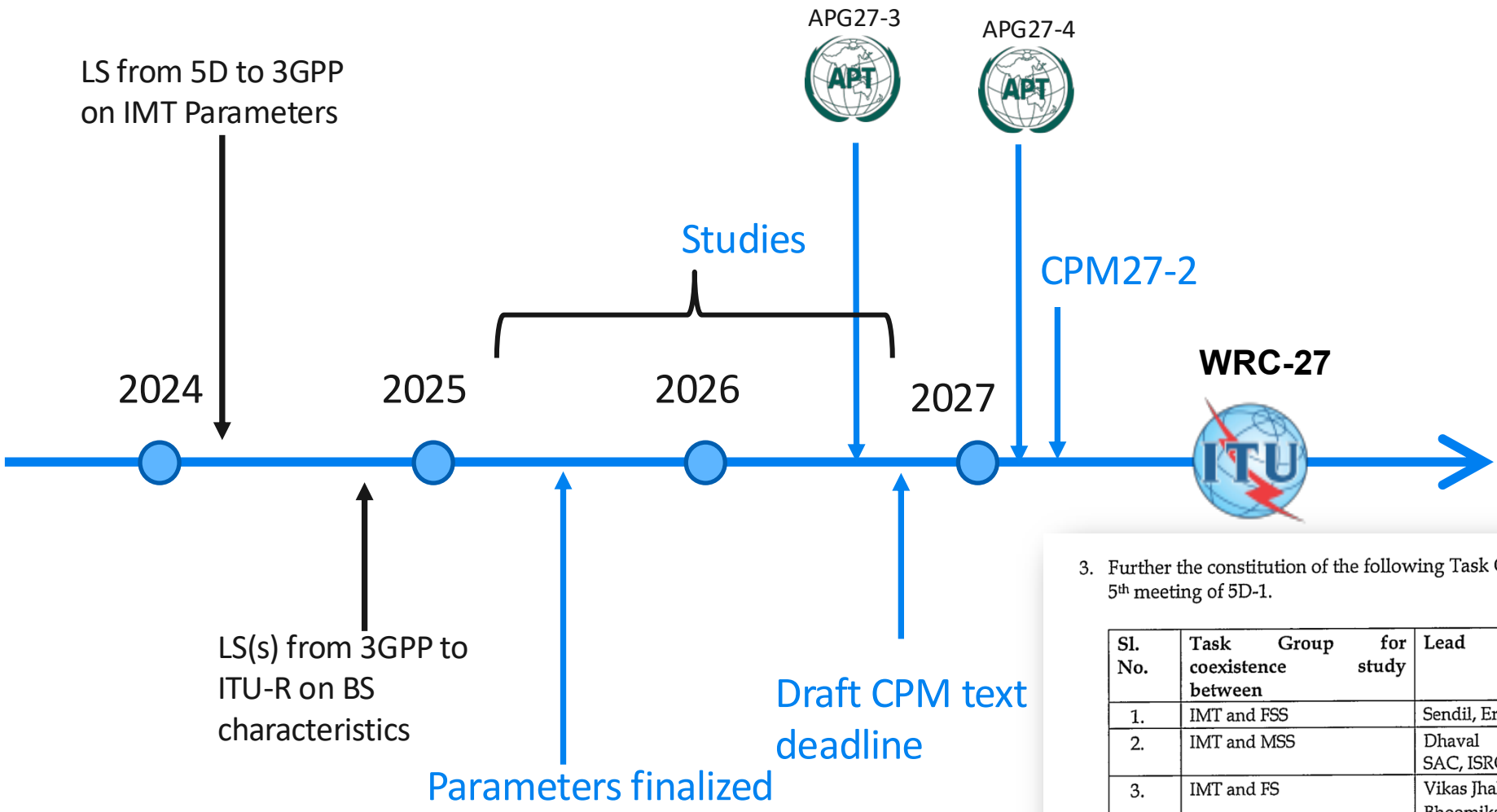
Submission for DoT approval from NSG5

Consensus at WG level, submitting to NSG5

TG level – flexibility before submitting to WG levels

Focused only on **Technical contributions**

Timeline in ITU towards WRC-27



3. Further the constitution of the following Task Groups was also agreed upon during the 5th meeting of 5D-1.

Sl. No.	Task Group for coexistence study between	Lead	Co-lead
1.	IMT and FSS	Sendil, Ericsson	Saket Buch ,SAC, ISRO
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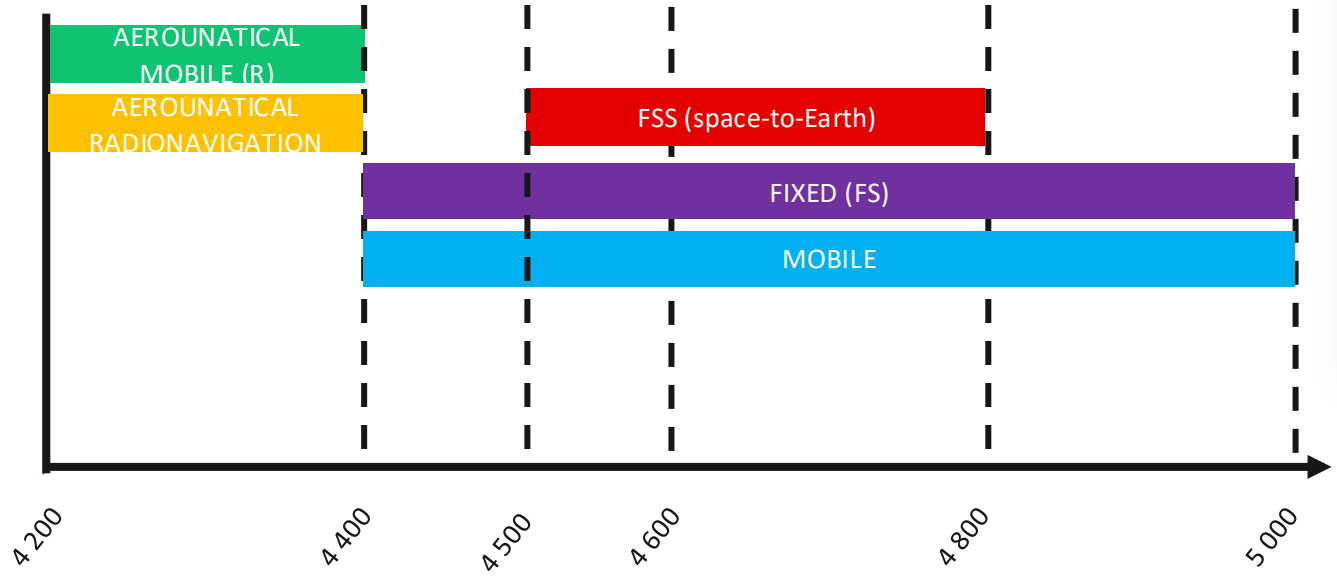
3.	IMT and FS	Vikas Jhakad, JCES Bhoomika Gaur, TEC	Sendil, Ericsson
4.	IMT and EESS	Diwakar, Samsung	Himanshu Kumar, ISRO Headquarters

WRC-27 : Preparing for new study cycle 4 400-4 800 MHz



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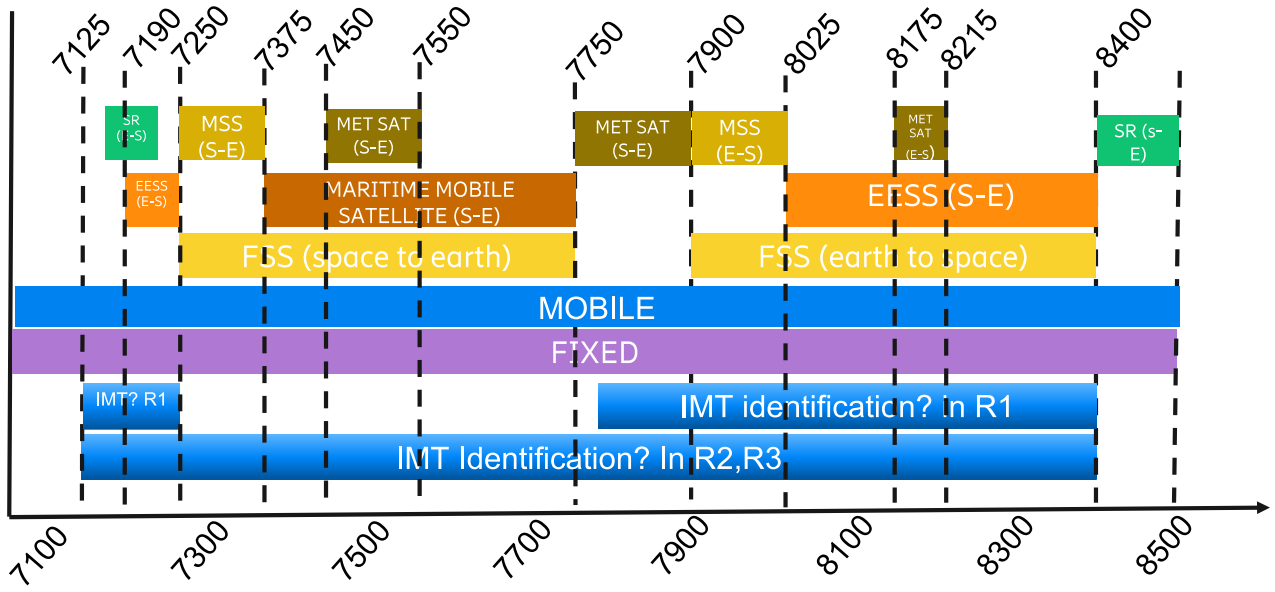
National Activity

TG#1 : FSS usage (AP30B)
TG#2 : NA
TG#3 : IMT and FS
TG#4 : NA

Discussion:
- Migration plans for AP30B, To be made available by 2030
- Fixed link usages
- **Revision of Exclusion zones around Altimeter (3.5GHz 5G Macro)**
- Altimeter replacement, retrofitting etc.,

WRC-27 : Preparing for new study cycle
7 125-8 400 MHz



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National Activity

TG#1 : FSS
TG#2 : MSS
TG#3 : IMT and FS
TG#4 : METSAT,EESS

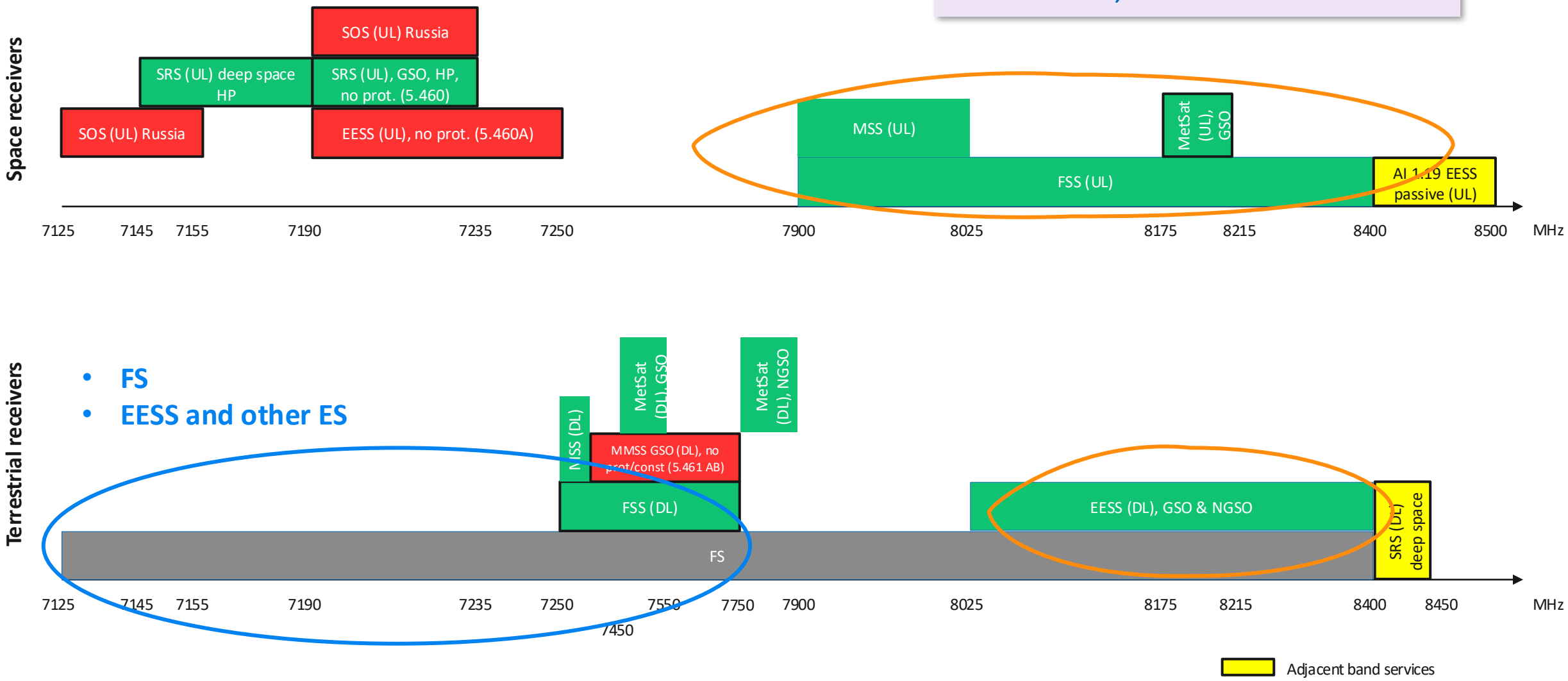
Discussion:

- Regional Identification : GSO, NGSO services
- EESS 8025-8400 time-bound tracking narrow beams (Earth-stations)

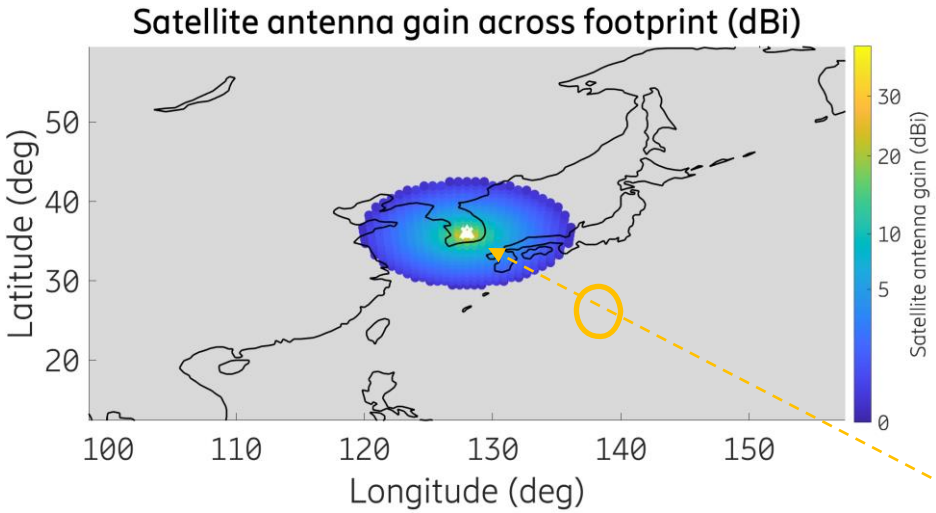
7/8 GHz Perspective

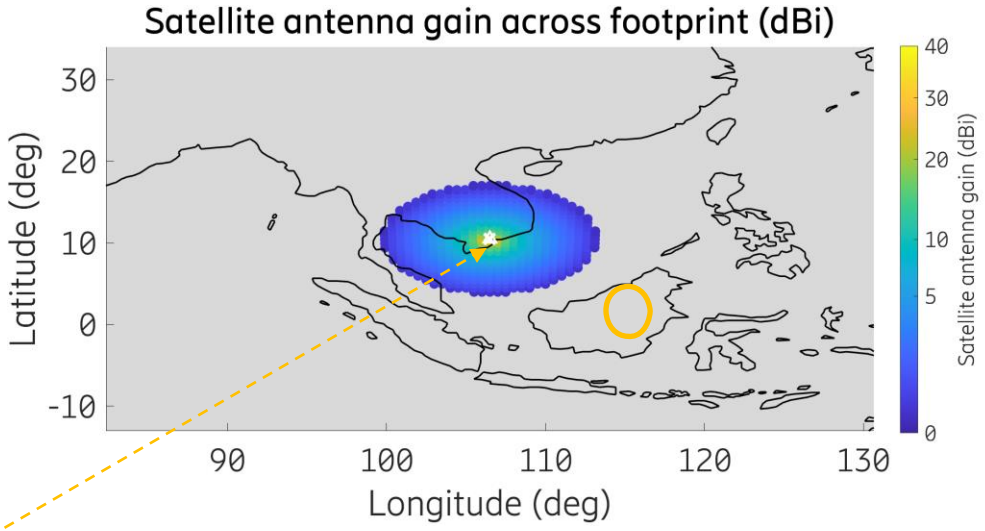
Studies & Plans

- **5GIF** : EESS DL, FS , FSS-UL (GSO)
- **Non-GSO FSS, MSS UL**



MSS and FSS (NGSO) : Earth-to-space



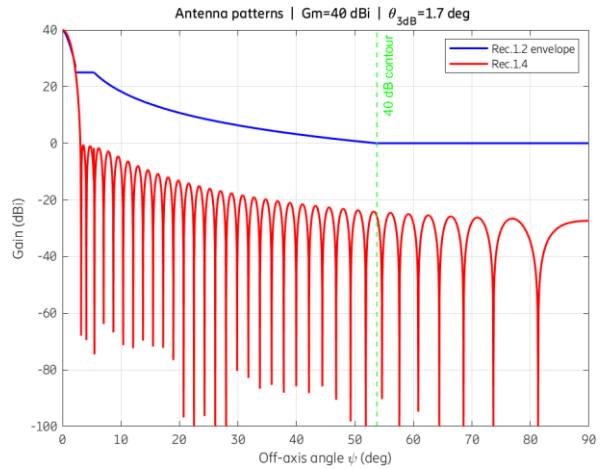


Significant proportion is from IMT BS in main beam(early sidelobe)

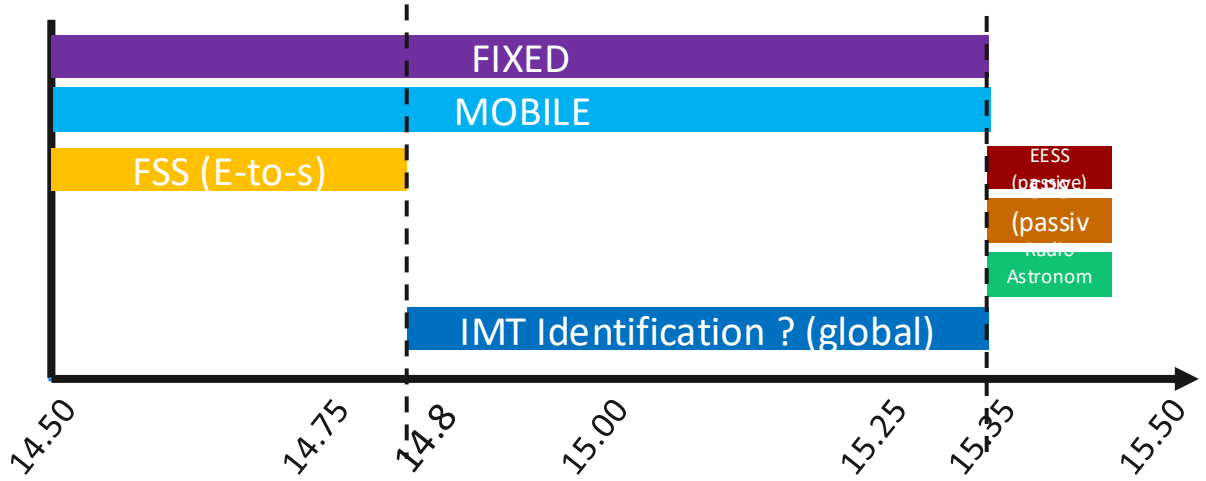
- NGSO, parameters were provided by some administrations to WP4A/4C but no systems operational to our knowledge.
- No defined GSO/NGSO coordination mechanisms. –
- Compared to GSO, reduced propagation losses means sufficient C/I.

MSS-DL, FSS NGSO (space-to-Earth)

- Compared to GSO, reduced propagation losses means sufficient C/I
- No defined GSO/NGSO coordination



WRC-27 : Preparing for new study cycle
14.8-15.35 GHz



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- Used MW links by TSPs

Action Plans : 6G Leadership

- Being more vocal in APT regional meetings
- India to take "6G" leadership through bilateral meetings APT countries
- Moving towards CPM
  - Find resolutions on specific co-existence in 7/8 GHz band
  - Help build consensus in APG view