

# Overview of CEPT CPG status/next steps on AI-10

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# Why have a WRC Agenda Item?

- Predominately to amend the Radio Regulations
- Issue considered international in nature
- Change argued for to increase market certainty

## But is a WRC Agenda Item really needed?

- Study the technicalities, to assess whether RR change needed
- Market certainty not solely reliant upon RR visibility
- Changes should be for services, not applications
- Article 0.11 - Sovereign right to manage national spectrum

# Current Status of CEPT deliberations



# Current Status of CEPT discussion

- Core of CEPT supported items, continue to be supported
- CEPT, as with other regional groups, are still in a holding pattern
- Outlines for future IMT, GEO/NON-NGEO sharing, all aired
- Same tests need to be applied; routine study work, services not applications
- For some items, horse trading at WRC inevitable

# Current draft ECP<sup>1</sup> ideas (outline to CPG in May) 1/3

- radiolocation service co-primary 231.5-275 GHz and identification in 275-700 GHz
- ESIM in 37.5-39.5 GHz (space-to-Earth), 40.5-42.5 GHz (space-to-Earth), 47.2-50.2 GHz (Earth-to-space) and 50.4-51.4 GHz (Earth-to-space)
- pfd & e.i.r.p. limits in Article 21 for 71-76 GHz and 81-86 GHz
- receive-only space weather sensors bands
- *space-to space links, geo & non-geo in the frequency bands 1 525-1 544 MHz, 1 545-1 559 MHz, 1 610-1 645.5 MHz, 1 646.5-1 660.5 MHz and 2 483.5-2 500 MHz*<sup>2</sup>

<sup>1</sup> Currently in the WRC-27 preliminary agenda

<sup>2</sup> Linked to the item in 'C' Band space to space connectivity now in CEPT discussions

# Current draft ECP<sup>1</sup> ideas (outline to CPG in May) 2/3

- improving the utilization of the VHF maritime frequencies in Appendix 18 <sup>2</sup>
- EESS (E>s) primary in 22.55-23.15 GHz
- Removal of aero mobile imitation for aero (non safety) IMT in 694-960 MHz
- *possible worldwide narrowband mobile-satellite systems in [1.5-5 GHz]*

<sup>1</sup> Currently in the WRC-27 preliminary agenda

<sup>2</sup> Potentially not needed as it is current understood that IMO will not pursue an item for WRC-27

# Current draft ECP<sup>1</sup> ideas (outline to CPG in May) 3/3

- protection of the EESS (passive) in some bands above 86 GHz (No.5.340)
- compatibility of astronomy and active space services, some bands above 76 GHz (Res 739)
- Gateway earth stations (Earth-to-space) in the 51.4-52.4 GHz band
- space to space connectivity in 3.7-4.2 & 5.925-6.425 GHz between geo and non-geo <sup>2</sup>

<sup>1</sup> Items currently not in the WRC-27 preliminary agenda

<sup>2</sup> Linked to the item in L Band as noted earlier

# CEPT currently aware<sup>1</sup> of, action to (CEPT Brief)

- MS in 1300 – 1350 MHz <sup>1 2</sup>
- IMT-2030 and beyond
- Establish status, in the RRs, of Wireless Power Transfer (WPT) <sup>3</sup>
- Earth exploration-satellite service (space-to-Earth) above 37.5 GHz and below 52.4 GHz <sup>4</sup>

<sup>1</sup> CEPT likely to propose abrogation of this item

<sup>2</sup> Currently listed in the preliminary WRC-27 agenda

<sup>3</sup> CEPT currently minded to oppose this item where proposed by others

<sup>4</sup> Currently EESS secondary in 37.5 – 40.5: potential to upgrade to primary, where studies justify, up to 52.4 GHz

# Then outside the CEPT Brief and draft ECP ideas

- *Revision of Article 22 limits (geo/non geo)*
- *Sea Surface Temperature monitoring (linked to discussions under AI 1.2)*
- *.....and we still have a project team and CPG Plenary to go!!*

**FIN**