

PTC'16: REIMAGINING TELECOMS

**5G - MOBILE BROADBAND REIMAGINED
REIMAGINED GENERATION OF MOBILE BROADBAND REQUIRE REIMAGINED POLICIES?**

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WRC-19 IMT 2020 STUDY BANDS

- WRC-15 agreed to study 11 bands for IMT 2020:
- 24.25-27.5 GHz (has primary mobile allocation)
- 31.8-33.4 GHz
- 37-40.5 GHz (has primary mobile allocation)
- 40.5-42.5 GHz
- 42.5-43.5 GHz (has primary mobile allocation)
- 45.5-47 GHz, (has primary mobile allocation)
- 47-47.2 GHz
- 47.2-50.2 GHz (has primary mobile allocation)
- 50.4-52.6 GHz (has primary mobile allocation)
- 66-76 GHz (has primary mobile allocation)
- and 81-86 GHz (has primary mobile allocation)

INTERNATIONAL STUDIES OF IMT 2020

- Study of that 50 GHz of spectrum will be organized as follows:
- Spectrum requirements, technical characteristics and protection criteria by ITU-R Task Group 5/1 by 31 March 2017
- Propagation models for IMT 2020 (5G) by ITU-R SG3 by 31 March 2017
- 3GPP will work on 5G radio access network and system architecture continually through 2020
- 3GPP committed to complete technical specifications for ITU-R by December 2019, for translation into 3GPP process by October 2020
- Continued evolution of LTE through 2020 – Release 14 will contribute to 5G; Phase II by 12/19 will mark end of Release 16