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6G Vision and regional strategies

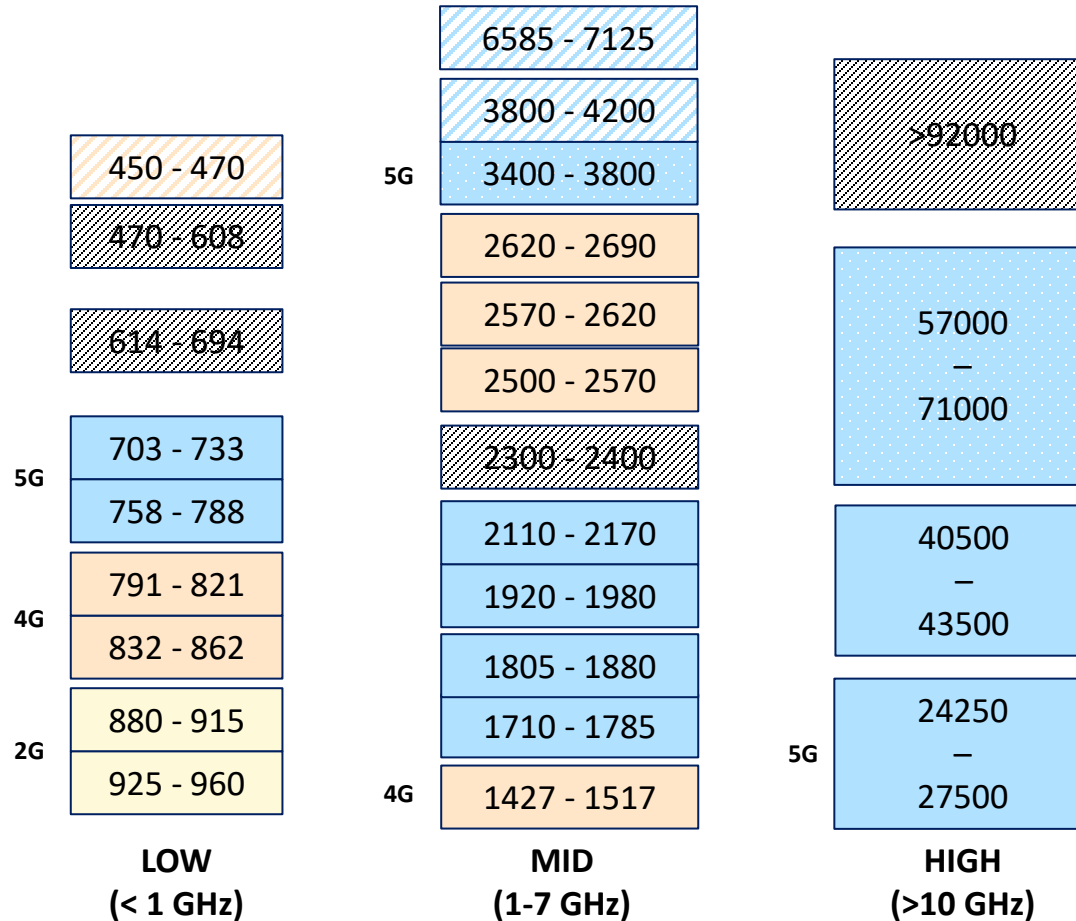
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6G and spectrum – What do we know now?



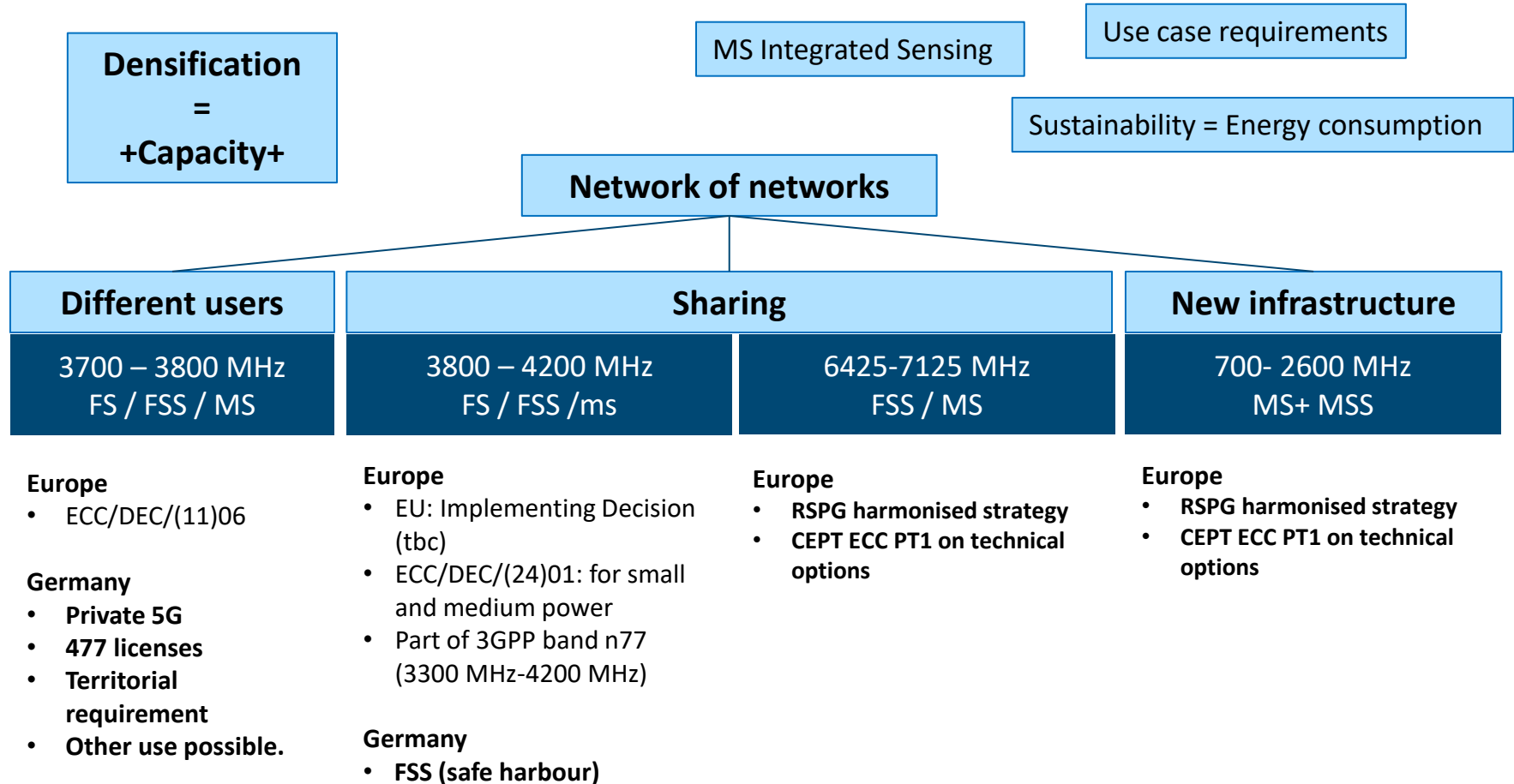
- BROADER channel bandwidth
- LOWER latency
- FASTER connectivity
- MORE
 - capacity
 - use cases
- RSPG Opinion on 6G strategic vision
- 6G EVOLUTION
 - Demand driven
- Innovations on the application level

6G and spectrum – What frequencies?



- Intensified use
- Indoor only?
- Sharing
- Efficient and effective use

Spectrum challenges of 6G realisation



International dimension

4400 – 4990 MHz

7125-7250 MHz

~~7250-7750 MHz~~

7750 – 8400 MHz

14.8 – 15.35 GHz

- Timeline of IMT 2030 development
 - On going parallel activities in 3GPP and ITU-R WP 5D
 - Regulation requires certainty on technological development
- Various diverging use cases and possible network operators – uncertainty on demand
- Regulators are faced with new competition challenges
- Flexibility is needed on all sides
- Lesson from 5G: Spectrum roadmap (envisaged for Europe in 2026)
- Harmonised spectrum remains key asset to allow timely and cost-effective deployment
 - WRC-27 Agenda item 1.7
 - WRC-27 Agenda item 1.13
 - WRC-31 Agenda item 2.14
 - ???
- Technical studies are essential to build a common framework
- Complexity in a shared environment
- No global coverage without harmonisation !

Contact

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