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IoT is being considered in three current RSPG work areas

Current RSPG Work Programme includes IoT, ITS and 5G deliverables:

- Opinion on spectrum needs for IoT
- Opinion on spectrum needs for Intelligent Transport – road and rail
- First 5G Opinion has focused on pioneer bands; next will move to policy and regulatory challenges

IoT and ITS Opinions should be adopted shortly

Public consultation on draft Opinions closed 9 January

25 responses received for IoT and 15 for ITS

Final drafts to be considered for adoption at RSPG Plenary on 7 February 2017

IoT key message: *diversity of spectrum solutions*

IoT is heterogeneous and has diverse spectrum needs according to use case, including but going beyond ECS spectrum

Diversity of spectrum *bands*: different requirements for coverage, bandwidth

Diversity of spectrum *authorisation models*: different requirements for security, reliability/QoS

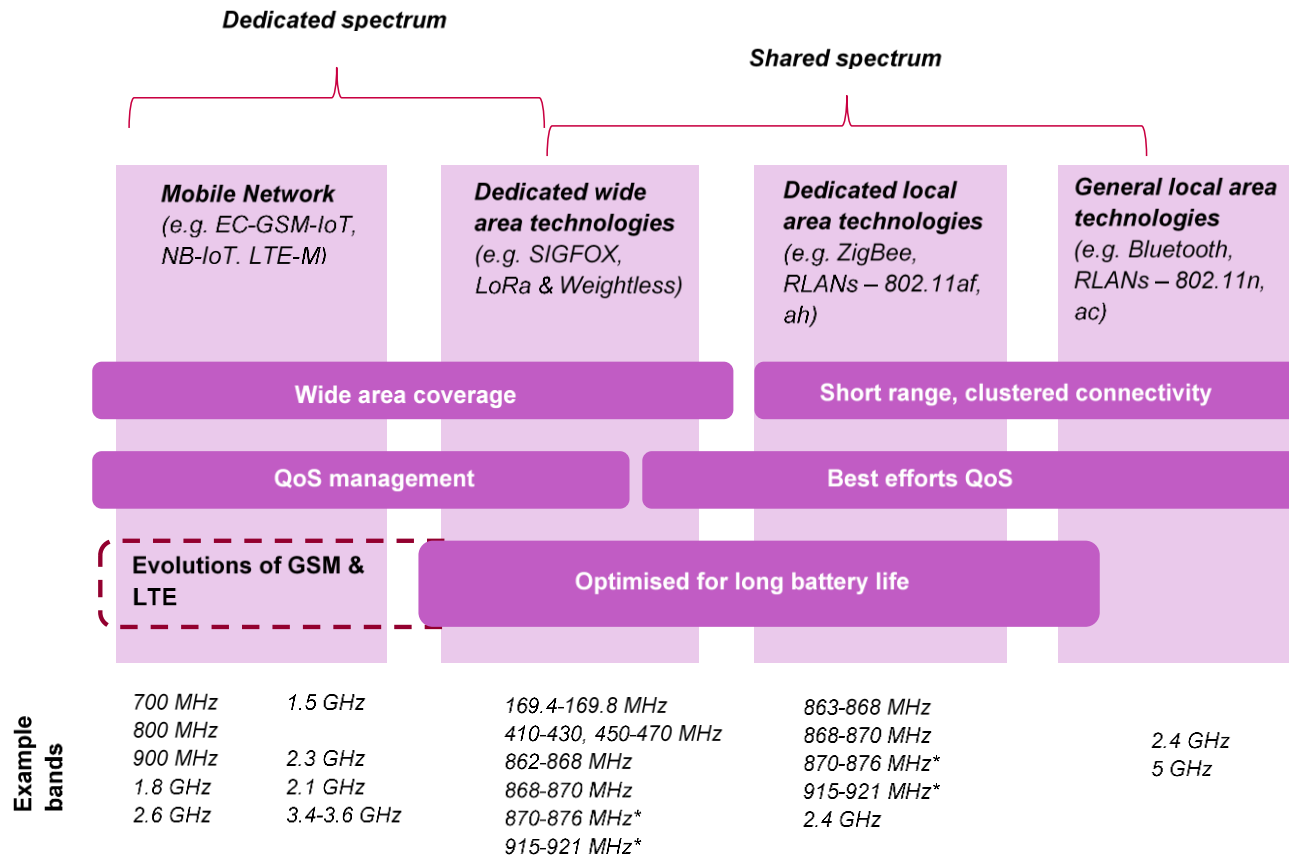
IoT key message: growing need for *access to spectrum*

Spectrum is a scarce resource but a range of bands are accessible to IoT and spectrum scarcity has not been a constraint on IoT growth to date

No need to allocate or designate spectrum although increasing demand for *access*. This may mean:

- Harmonisation and standards
- Authorisation model
- Co-ordination between Member States to enable economies of scale

RSPG Roadmap for IoT spectrum access



Note*. Example bands marked with * are available on a national basis.

ITS a special use case, sufficient spectrum currently but a developing area

Road:

- 30 MHz (5875-5905 MHz) core band for safety-related ITS remains very important
- Designation not exclusivity for ITS
- Option open to extend to adjacent 2x 20 MHz

Rail:

- Support for existing harmonised arrangements for GSM-R at 876-880 MHz / 921-925 MHz
- Longer term need to for rail industry to consider spectrum - a wide range of options

The logo for the Radio Spectrum Policy Group (RSPG) features the acronym 'RSPG' in a bold, orange, sans-serif font. The letters are contained within a white, rounded rectangular shape that has a subtle gradient and a slight shadow, giving it a three-dimensional appearance. This logo is positioned in the upper left corner of the slide, overlapping a decorative background that includes a blue and white wavy pattern and a red and orange abstract design at the top.

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Opinions and further information:

<http://rspg-spectrum.eu/>