

Shared Access Spectrum

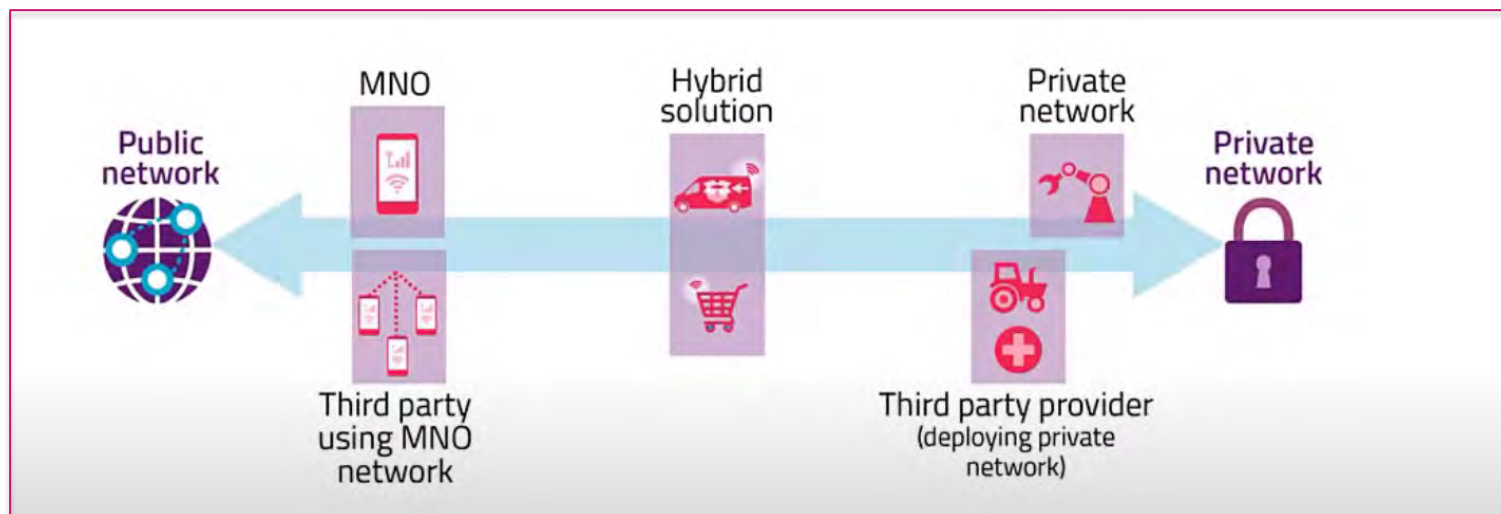
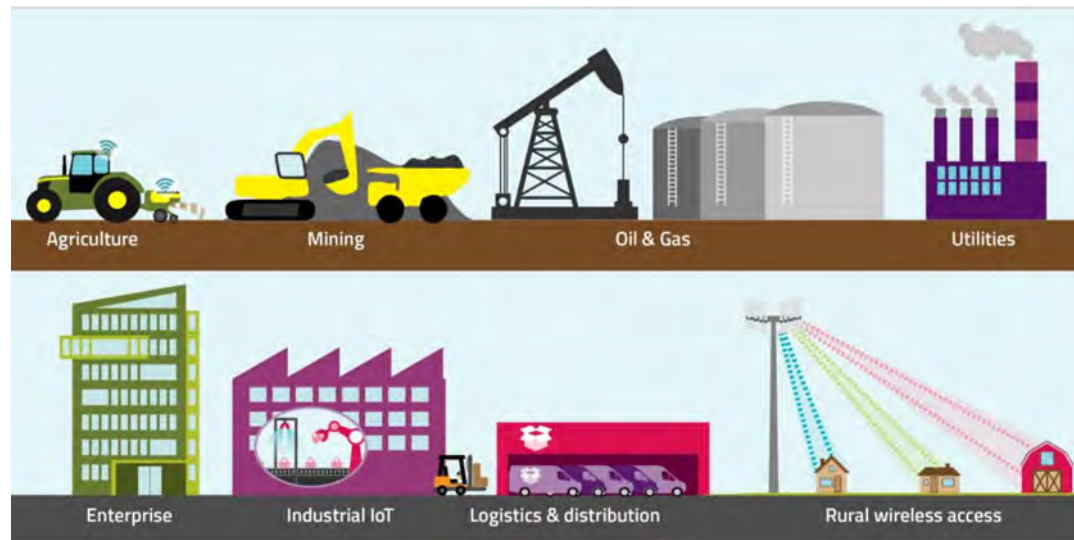
Richard Moore, Ofcom

25 May 2022

Making sure people and businesses have connectivity where and when they need it

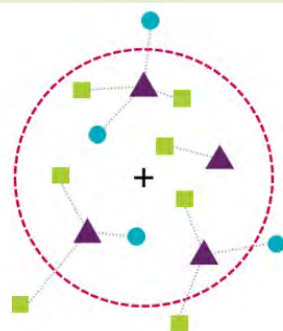


Shared Access licences enable local connectivity in a wide range of enterprise and industrial applications

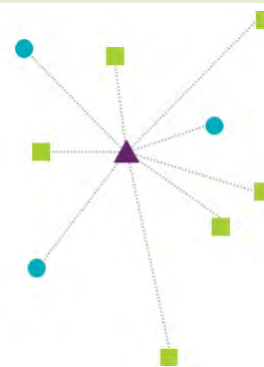


Shared Access Licences

Bands available	1.8 GHz (2x 3.3 MHz) 2.39-2.40 GHz (10 MHz) indoor only 3.8 – 4.2 GHz (10 – 100 MHz) 24.25-26.50 GHz (50, 100, 200 MHz) indoor only
Technical conditions	Low power (24 dBm) 50m area Medium power (42 dBm) single transmitter in rural areas only.
Access type	Ofcom coordinates access for interference to/from other users on first come first served basis, deployment within 6 months
Licence duration	Indefinite subject to annual fee payment
Licence costs	£80 per 10 MHz (all bands except 26 GHz) £320 flat fee (26 GHz)



Low Power



Medium Power

Legend

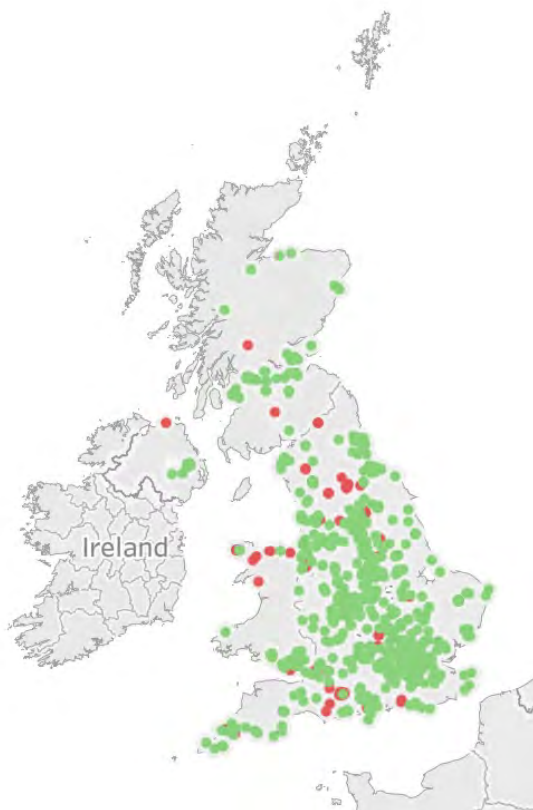
- ▲ Base station
- Fixed/installed terminal
- Mobile/nomadic terminal

Current Shared Access deployments

1800 MHz

Low Power : 867

Medium Power : 115



2.3 GHz

Low Power : 32



3.8-4.2 GHz

Low Power : 163

Medium Power : 259



■ Shared Access Low Power
■ Shared Access Medium Power

Looking ahead...

- In December '21 the European Commission requested CEPT to:
 - Study the feasibility of local, terrestrial wireless broadband in 3.8-4.2 GHz
 - Develop harmonised technical conditions to enable sharing with incumbent services e.g. satellite earth stations and fixed links
 - Provide guidance/recommendations on receiver characteristics
 - Interim report November '22, draft final report July '23, final report March '24
- We are looking at improving the processes and technical coordination approach for issuing Share Access licences
- Ofcom is currently consulting on new proposals for Shared Access at 26 GHz:
 - Low power Shared Access to 850 MHz of spectrum in high density areas
 - Medium power access to full 3.25 GHz of spectrum in low density areas

