

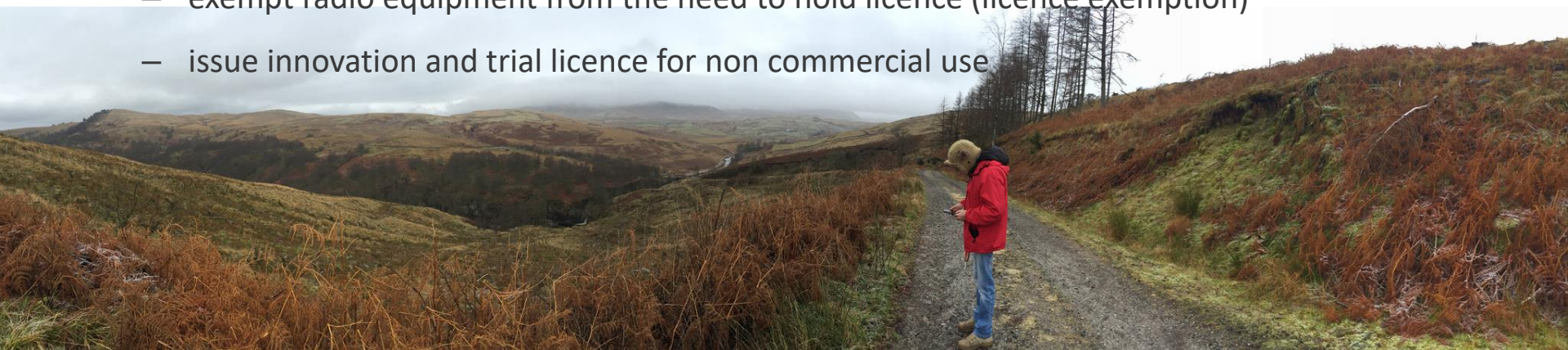
# Local licensing to support wireless innovation

Siew Yoon Tan, Ofcom

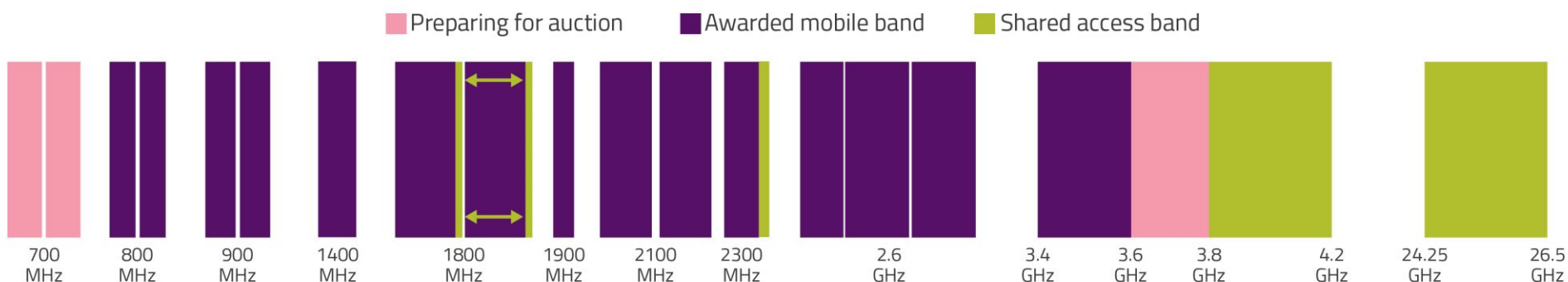
June 2020

# About Ofcom

- We manage radio spectrum in the UK
- We want to
  - see **comprehensive mobile coverage** across the country
  - create **opportunities for innovation** across the UK economy, including ensuring sufficient spectrum is available for 5G
- We make spectrum available through various authorisation methods such as
  - award national /regional licence
  - licence individual radio transmitters
  - exempt radio equipment from the need to hold licence (licence exemption)
  - issue innovation and trial licence for non commercial use



# Local licensing in bands supporting mobile technologies



## ■ Shared Access licence : Access to 4 Ofcom managed bands

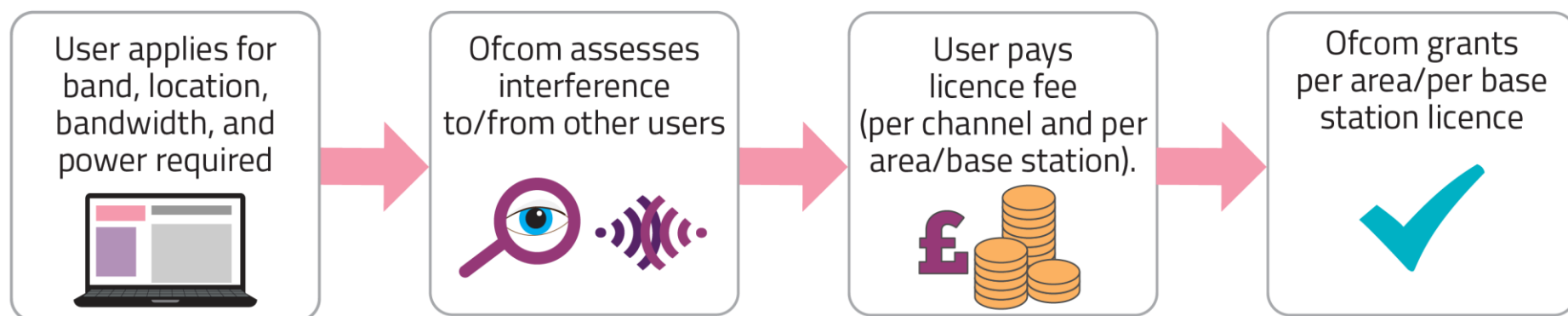
1800 MHz (DECT guard band)	: 2 x 3.3 MHz (FDD)
2390 – 2400 MHz	: 10 MHz
3.8 – 4.2 GHz	: 10 – 100 MHz
24.25 – 26.5 GHz	: 50, 100 and 200 MHz

## ■ Local Access licence : Access to spectrum licenced on national basis to MNOs

<https://www.ofcom.org.uk/consultations-and-statements/category-1/enabling-opportunities-for-innovation>

# Shared Access licence

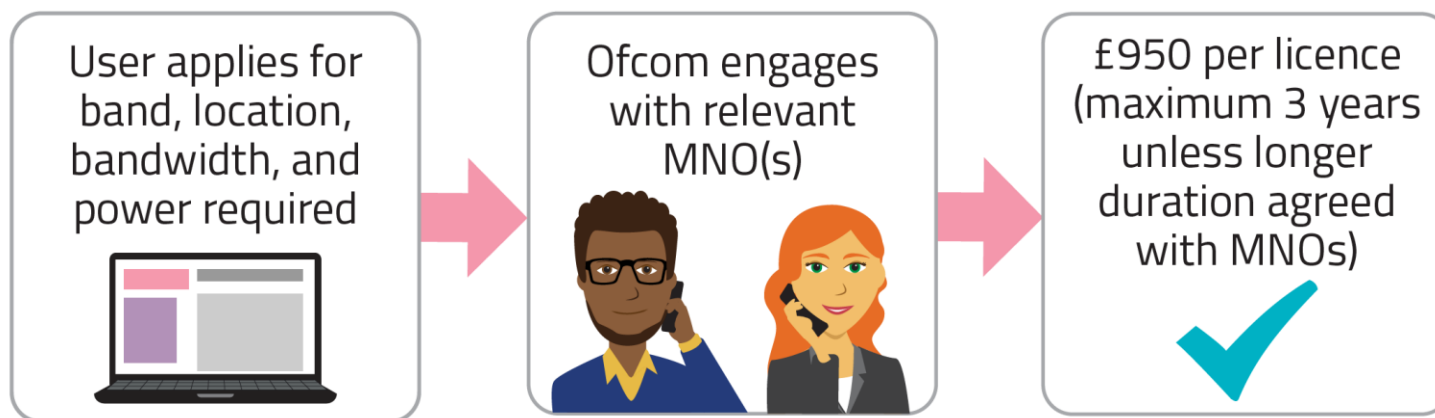
First come first served managed access, deployment within 6 months of obtaining licence



1800 and 2300 MHz : £80 per licence / year  
3.8 – 4.2 GHz : £80 per 10 MHz / year  
26 GHz : £320 per licence / year

[https://www.ofcom.org.uk/data/assets/pdf\\_file/0035/157886/shared-access-licence-guidance.pdf](https://www.ofcom.org.uk/data/assets/pdf_file/0035/157886/shared-access-licence-guidance.pdf)

## Local Access licence – licenced mobile spectrum



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