

Upper 6 GHz Band

“Shared NOT exclusive”

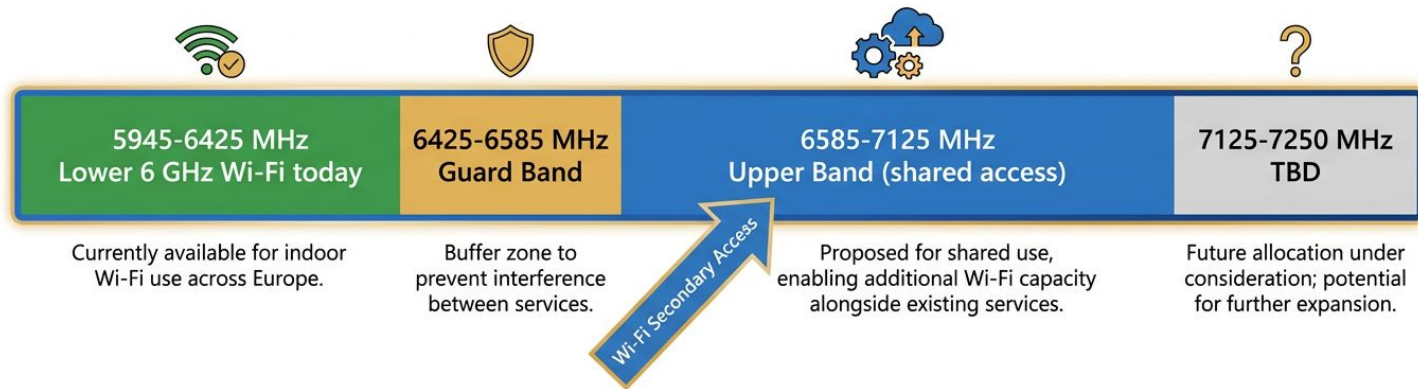
Readout from Europe

Potential European Wi-Fi Channel Expansion Plan

EU & CEPT are proposing (1) band split and (2) secondary access for Wi-Fi to upper 6 GHz band

EUROPEAN Wi-Fi SPECTRUM EXPANSION: 6 GHz BAND

Unlocking New Capacity for Faster, Reliable Connectivity



- **Enhanced Performance:** Wider channels for gigabit speeds and lower latency.
- **Increased Capacity:** Relieves congestion in existing 2.4 GHz and 5 GHz bands.
- **Future-Proofing:** Supports next-generation applications like AR/VR and IoT.

CEPT Report B — Shared Use of Upper 6 GHz Band

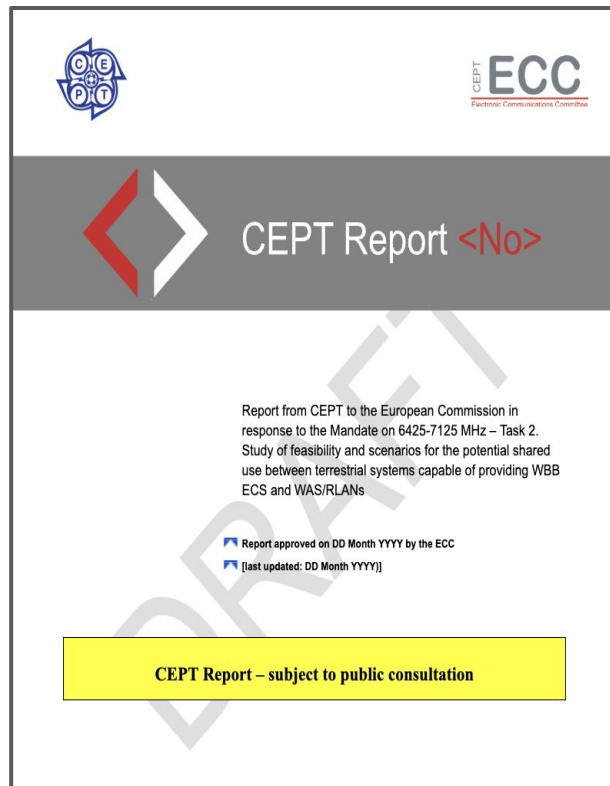
This Report identifies a **prioritised band split approach** as the preferred option. Under this framework, non-prioritised WAS/RLAN systems could access the portion of the band designated for prioritised WBB ECS use, provided they do not cause harmful interference.

6585–7125 MHz → Designated for prioritised full-power WBB ECS use

6425–6585 MHz → Reserved as guard band with BEM to protect lower 6 GHz WAS/RLAN (5945–6425 MHz); no release until after WRC-27

Key: "Prioritised" ≠ "Exclusive" — WAS/RLAN may access the mobile-prioritised portion if no harmful interference

Following WRC-27, a decision will be taken on exact use of 6425–6585 MHz band.



RSPG Opinion — Band Map

RSPG European Spectrum Band Allocation (5945-7250 MHz)



 **Wi-Fi LPI/VLP** (Low Power Indoor/Very Low Power)

 **Reserved WRC-27** (World Radiocommunication Conference 2027)

 **Mobile Priority WBB ECS** (Wireless Broadband Electronic Communications Services)

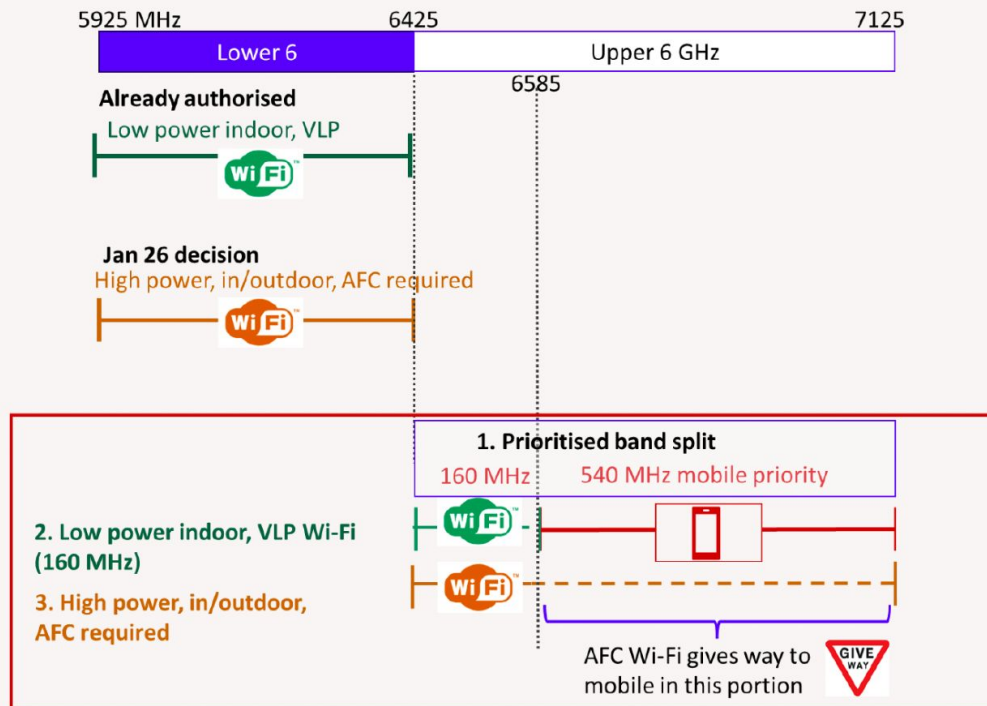
 **TBD WRC-27** (To Be Determined)

Ofcom UK Approach

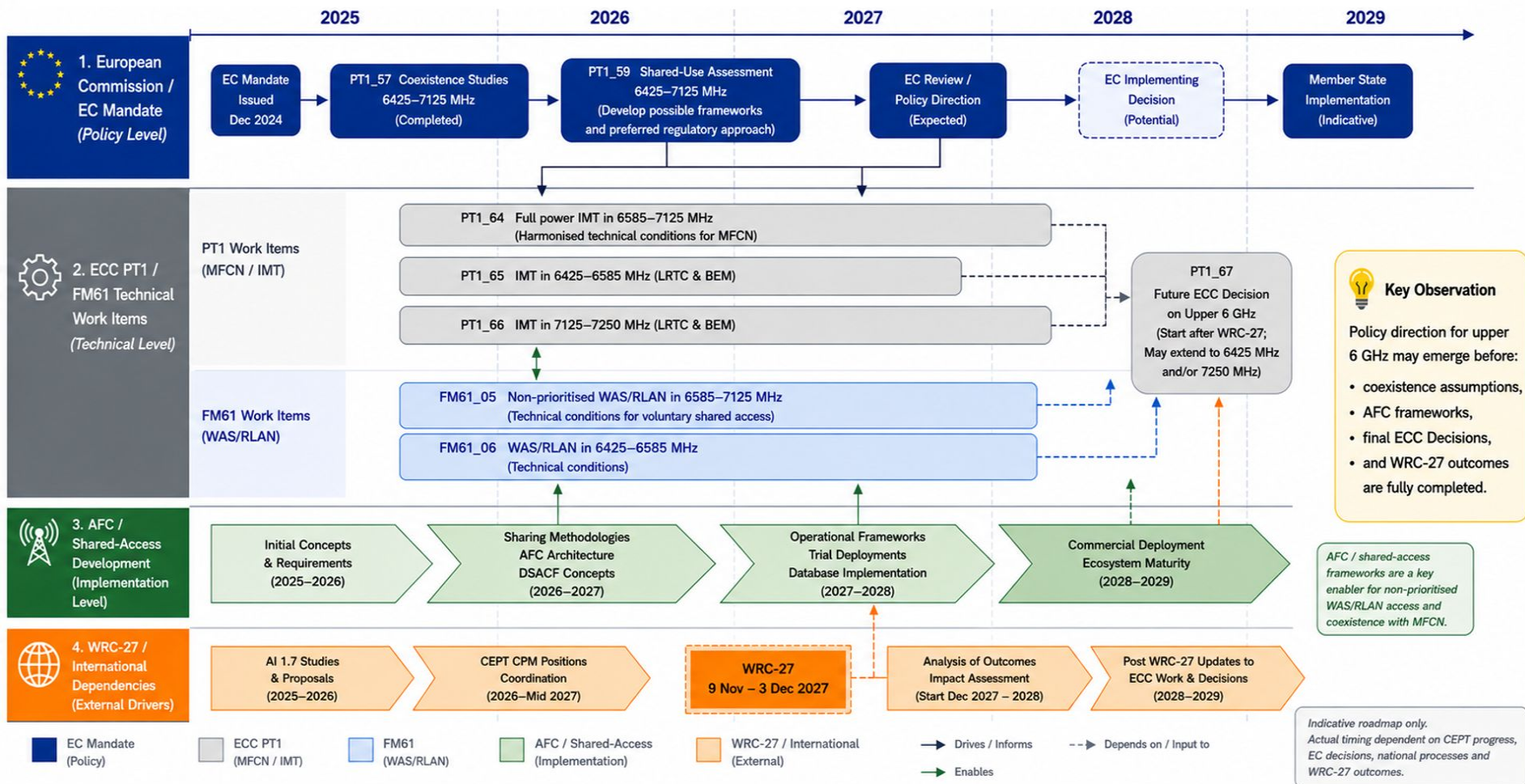


The proposed UK approach

1. A prioritised band split with 160 MHz Wi-Fi priority, 540 MHz mobile priority
2. The **Wi-Fi priority portion** of the band will **have exactly the same technical conditions as lower 6 GHz** (including low power indoor, VLP)
3. Allow AFC-controlled devices in the upper 6 GHz band



Timeline



Thank You

Hiral Modi · Meta Platforms
Wireless Ecosystem Engineering