

European ongoing work on 6GHz band, UHF band (470-694 MHz) and D2D

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Progress and timeline on assessment on use of WAS/RLAN up to 4W in the Lower 6GHz band (5945-6425 MHz)

ECC Decision (20)01 on the harmonized use of the frequency band 5945-6425 MHz for Wireless Access Systems including Radio Local Area Networks (WAS/RLAN)

- Stable regulatory framework since 2020
- Low Power Indoor (LPI) at 200mW e.i.r.p. – only indoor use
- Very Low Power (VLP) at 25 mW e.i.r.p. – indoor/outdoor use



Assessment on WAS/RLAN equipment use with up to 4W e.i.r.p. using a Dynamic Spectrum Access Coordination Function

- **WI SE45_05:** Higher power WAS/RLAN with up to 4 W e.i.r.p. in the 5945–6425 MHz frequency band to enable dynamic spectrum access coordination. – Finalization envisaged: May 2026
- **WI FM61_03:** Higher power WAS/RLAN including the use of equipment with up to 4W e.i.r.p. in the 5945-6425 MHz frequency band using a dynamic spectrum usage coordination. – Finalization envisaged: October 2026

EU/RSPG/CEPT Progress and Timeline on upper 6GHz

EU Mandate to CEPT on upper 6 GHz (including 3 Tasks)

❑ Objective :

- **July 2027:** harmonised technical conditions, EU harmonization not before end 2027

*“CEPT shall take due account of the RSPG Opinion on the upper 6 GHz band” : **RSPG will strike the basis for the compromise in its opinion (November 2025)***

❑ Task 1 of EC Mandate on upper 6 GHz ongoing at PT1

Draft CEPT Report A - in response to the Mandate to study feasibility of and develop least restrictive harmonized technical conditions for the potential shared use of the 6425-7125 MHz frequency band for the provision of WBB ECS and by WAS/RLAN. Public consultation: March 2026

Study and assessment of coexistence and compatibility of:

- Terrestrial system capable of providing WBB ECS with incumbent spectrum users – **Draft ECC Report**, public consultation envisaged for November 2025
- WAS/RLANs with incumbent spectrum users – **ECC Report 364** already published

EU/RSPG/CEPT Progress and Timeline on upper 6GHz

Ongoing work

❑ **Task 2 - Study of feasibility and scenarios for the potential shared use between terrestrial systems capable of providing WBB ECS and WAS/RLANs**

- To take into account the results from Task 1
- To identify and assess the technical feasibility of possible scenarios for the shared use of the 6425-7125 MHz frequency band for both (i) terrestrial systems capable of providing WBB ECS and (ii) WAS/RLANs.
- In determining any preferred scenario(s) under this Task, the CEPT shall take due account of the RSPG Opinion on the upper 6 GHz band.
- Deliverable: CEPT Report B
- Finalization in July (or November) 2026

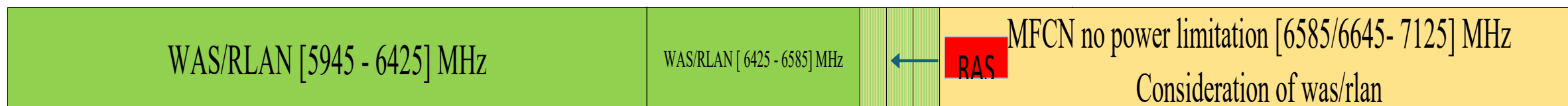
❑ **Task 3 - Development of harmonised technical conditions**

Taking into account the results of Tasks 1 and 2, and based either on the preferred scenario(s) for the shared use of the 6425-7125 MHz frequency band or the alternative usage scenario identified in Task 2, to develop a harmonised frequency arrangement and the least restrictive harmonised technical conditions for that/those scenario(s).

- Draft of NWI is in discussion
- Deliverable: CEPT Report C
- Finalization in July 2027

Final RSPG opinion on Upper 6GHz

- France supports the maximum size for MFCN (ie 700 MHz) and no MFCN power reduction
- France elaborated with Germany a possible [compromise spectrum split solution](#) for the long-term use of Upper 6GHz, presented in the draft RSPG opinion as having a “**slight preference**”



- ✓ **160 MHz for WAS/RLAN**
 - ✓ **Remaining portion (up to 540 MHz) for 6G without power restriction**
 - ✓ **0 to 60 MHz guard band to protect WAS/RLAN, useable by WiFi without protection**
 - ✓ **Consideration of “secondary” WAS/RLAN in the MFCN portion based on sensing/avoidance (if feasible)**
 - ✓ **RAS band not available for MFCN in some coordination zones**
- The discussion is continuing within RSPG for decision/adoption at the RSPG Plenary meeting (12/11), based on the Member state positions.

470-694 MHz

❑ Situation in France

- **5 MUX in DVB-T/MPEG4**, for free TV and coverage >95% population
- **1 MUX** was used for pay TV but Canal + recently decided leaving the terrestrial platform
- **UHD Mux launched in 2024** (73% pop.): opportunity to introduce DVB-T2/HEVC
- 42% households receiving terrestrial DTV, 15.6% as a unique mean
- Report from the gouvernement to the Parliament on perspectives for TV before the end of 2025
- Interest for other usage (IMT, PPDR, Defence) if the DTV spectrum requirement would reduce

❑ **RSPG Report** on the assessment of future usage of the frequency band 470-694 MHz within the EU – Adopted November 25

❑ **WRC-31** agenda item on the review of the 470-694 MHz for possible regulatory actions in the band 614-694 MHz (“600 MHz band”)

❑ **Paris 2024** demonstrated again the importance of radiomicrophones in this band, with limited use in bands higher than 1 GHz. Spectrum for radiomicrophones likely to be addressed in the next RSPG work programme.

European approach for D2D

[RSPG opinion](#) on EU approach for D2D, supporting innovation for

- D2D in IMT bands (“*D2D-IMT*”),
- D2D in MSS bands (“*D2D-MES*”) and,
- D2D for IoT (“*D2D-IoT*”)

D2D-IMT:

- Limited market in Europe due to good MNO coverage in Europe and small-area white zones

However, D2D is an innovative service to offer basic connectivity in underserved areas :

provisional EU harmonisation framework expected **before WRC-27** in all EU harmonised bands to be reviewed with the outcome of WRC-27 AI 1.13

- **EC Harmonisation Mandate to CEPT** in the next few months

D2D-MES:

- **Existing operations** under current MSS authorization (Globalstar/Apple, Skylo ...) – no need for specific authorizations but specific terminals
- **MSS 2 GHz band (2x30 MHz)** - authorisations (EU selection) ending May 2027 / EU-wide availability / also terrestrial bands with many compatible terminals
 - ❑ [RSPG opinion](#) on **MSS 2 GHz** recommending scenarios for more operators and new usages (D2D and IoT)
 - ❑ [EC consultation](#) during summer on the future use of this band

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