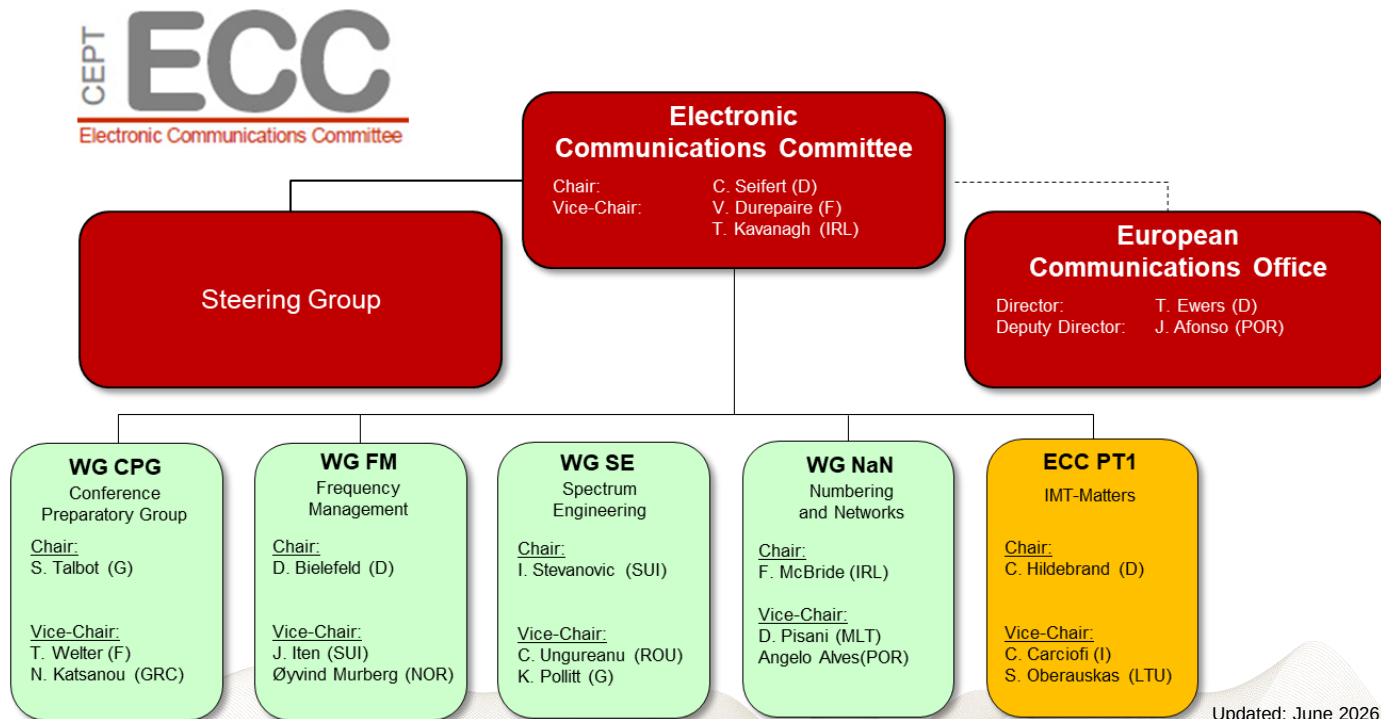


THE UPPER 6 GHZ BAND

CEPT On-Going activities

Christoph Hildebrand, Chair ECC PT1

Structure of the ECC



Updated: June 2026

Selection of current Work Items in CEPT - ECC

More than 70 active Work Items plus WRC-27 preparation:

- Response to the EC Mandate on D2D-IMT (FM44/SE40)
- Toolbox to enable flexible use of the 470-694 MHz frequency band (FM51)
- ECC Recommendations to provide national guidance on the shared use of the 3.8-4.2 GHz band for WBB LMP (FM60)
- Higher power WAS/RLAN up to 4 W e.i.r.p. in the 5945-6425 MHz (FM61/SE45)
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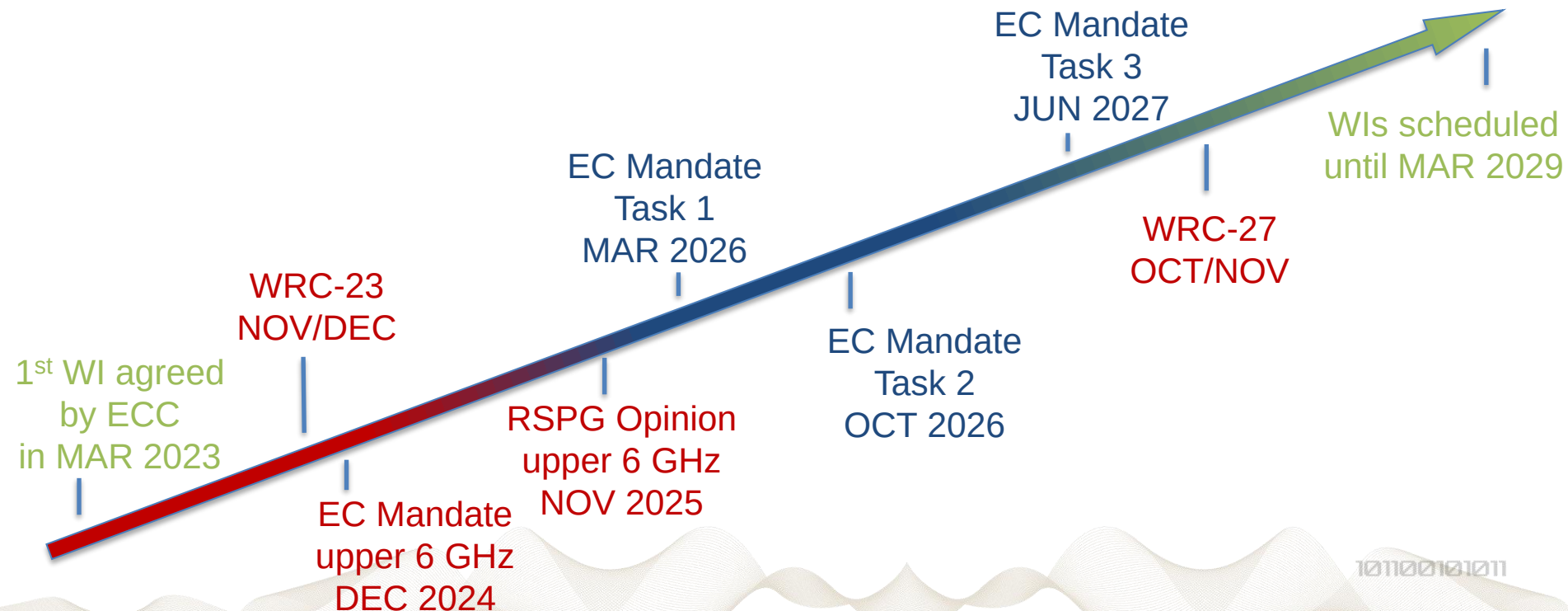
Work Items on upper 6 GHz in WG FM and WG SE

Work Item	Subject	Target Date
FM61_07	ECC Report – Analysis of feasibility of WAS/RLAN VLP as a non-prioritised application in the upper 6 GHz band	28-02-2029
FM61_05	ECC Recommendation – Harmonised technical conditions for voluntary non-prioritised use of WAS/RLAN in the 6585-7125 MHz frequency band (in relation with Task 3 of the EC Mandate)	28-07-2028
FM61_06	ECC Report – Technical conditions for WAS/RLAN in 6425-6585 MHz	31-03-2028
SE45_04	ECC Report – Wireless Access Systems including Radio Local Area Networks (WAS/RLAN) in the 6425-7125 MHz band	31-01-2025

Work Items on upper 6 GHz in ECC PT1

Work Item	Subject	Target Date
PT1_67	ECC Decision – Harmonised technical conditions for prioritised Mobile/Fixed Communications Networks (MFCN) in the upper 6 GHz	30-11-2028 (Start: APR '27)
PT1_65	ECC Report – LRTC and BEM for MFCN in 6425-6585 MHz	31-03-2028
PT1_66	ECC Report – LRTC and BEM for MFCN in 7125-7250 MHz	31-03-2028
PT1_64	ECC Report , CEPT Report – Harmonised technical conditions for WBB ECS/MFCN in the upper 6 GHz band (Task 3 of the EC Mandate)	25-06-2027
PT1_59	CEPT Report – EC Mandate on 6425-7125 MHz - Task 2	30-10-2026
PT1_57	CEPT Report – Study and assessment of coexistence and compatibility of: (i) terrestrial systems capable of providing WBB ECS with incumbent spectrum users and (ii) WAS/RLANs with incumbent spectrum users (Task 1 of the EC Mandate)	26-06-2026
PT1_58	ECC Report – Study and assessment of coexistence and compatibility of MFCN in upper 6 GHz band with incumbent spectrum users (supporting Task1 of the EC Mandate)	06-03-2026
PT1_50	ECC Report – Feasibility and sharing studies on the potential shared use of the 6425-7125 MHz frequency band between MFCN and Wireless Access Systems including Radio Local Area Networks (WAS/RLAN)	27-06-2025

Timeline



Published Results

Deliverable	Subject	Publication
ECC Report 375	Study and assessment of coexistence and compatibility between MFCN in the frequency band 6425-7125 MHz and incumbent spectrum users	06-03-2026
CEPT Report 092	Report from CEPT to the European Commission 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	26-06-2026
ECC Report 366	Feasibility of a potential shared use of the 6425-7125 MHz frequency band between Mobile/Fixed Communications Networks (MFCN) and Wireless Access Systems including Radio Local Area Networks (WAS/RLAN)	27-06-2025
ECC Report 364	Sharing and compatibility studies related to Wireless Access Systems including Radio Local Area Networks (WAS/RLAN) in the frequency band 6425-7125 MHz	26-09-2025

It is time for sharing

- Europe pushed for IMT and RLAN in upper 6 GHz
- Studies for upper 6 GHz show that cross-technology sharing today is still demanding
- Spectrum is a scarce resource → sharing becomes more essential
- Increase efficient use of spectrum in the future
- Academic community and industry to further research and develop sharing mechanisms

ECC Contact

ECO

Nyropsgade 37, 4th floor

DK-1602 Copenhagen

Tel: +45 33 89 63 00

E eco@eco.cept.org

Web www.cept.org/ecc

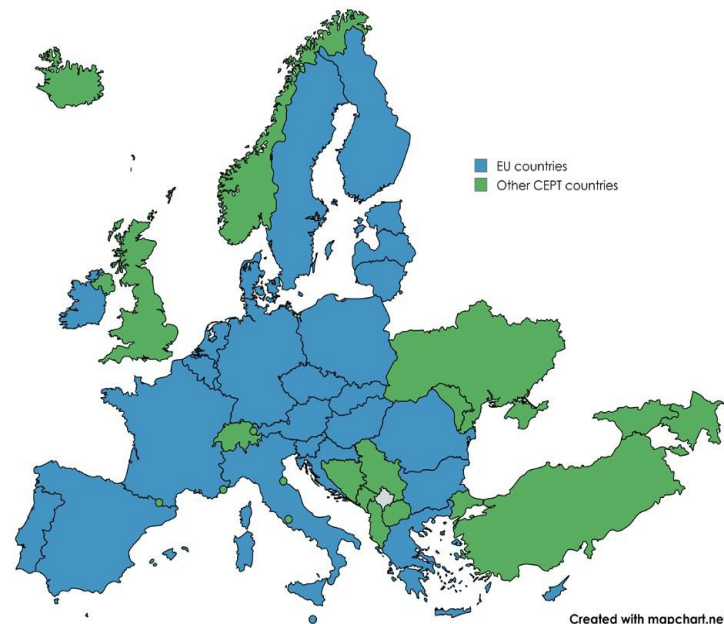
Background on CEPT - ECC

Overview

- Who we are
- What we do
- Principles
- Embedded in European ecosystem for radio spectrum and equipment
- Working in partnership
- Stay connected with ECC

Who we are

- Conférence Européenne des Administrations des Postes et des Télécommunications (CEPT)
- Established in 1959 – a voluntary organisation acting as a coordinating body for European state telecommunications
- Became a body of policy-makers and regulators for 46 countries



What we do

- Develop common policies and regulations in electronic communications
- Harmonise the efficient use of the radio spectrum, satellite orbits and numbering resources
- Prepare common proposals to represent European interests in ITU-R, as one of the 6 regional organisations of ITU
- Focal point for information on spectrum use

<https://cept.org/ecc/ecc-strategic-plan>

Principles

Our guiding principles, fostering stability as well as innovation

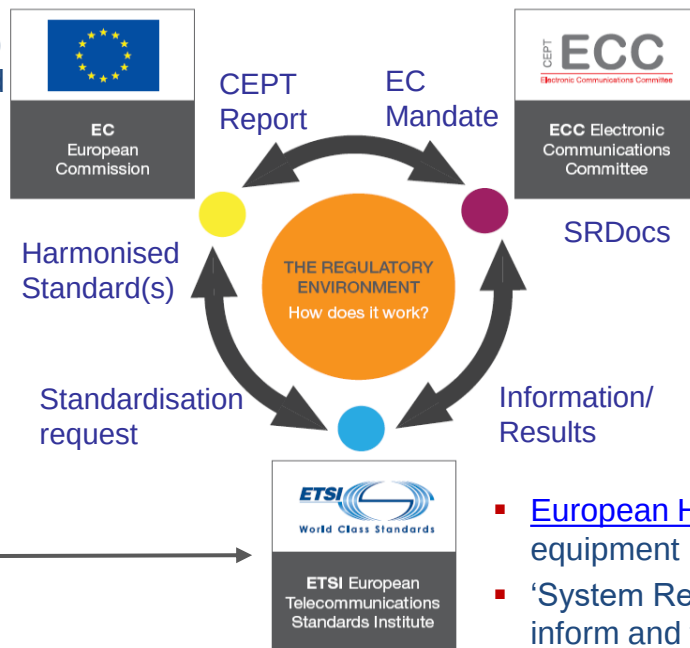
- Technology neutrality
- Balancing the interests of all users
- Cooperation with stakeholders
- Harmonisation and implementation

ECC's approach is open, forward-looking, and based on consensus among member countries. It applies its expertise in partnership with all stakeholders, the European Commission and ETSI to facilitate technologies and services for the benefit of society.

Embedded in European ecosystem for radio spectrum and equipment

Single market issues (27 Member States)
Binding regulations ([EC Decisions](#)) based on:

- the technical expertise of CEPT/ECC ([CEPT Reports](#))
- ETSI harmonised standards



- Consensus based voluntary harmonisation ([ECC Decisions](#)) for 46 member countries
- Spectrum designation to systems/applications and technical conditions for its use

- [European Harmonised standards](#) (EN) for radio equipment
- 'System Reference Documents' (SRDoc) which inform and trigger CEPT/ECC work
- 900 industry members and European national regulators

Working in partnership

- Input from stakeholders is essential to develop fully informed spectrum and numbering management policies
- Representatives from stakeholders (such as MoU/LoU-partners and full ETSI members) may participate as observers in meetings of the ECC and its groups
- Over 50 MoU/LoU partners, incl. Dynamic Spectrum Alliance (DSA)
- All deliverables are developed based on inputs from Administrations and industry and are subject to public consultation before final approval

Stay connected with ECC

- Spectrum Engineering tool: [SEAMCAT](#)
- All ECC deliverables are publicly available: [ECO Documentation Database](#)
- Deliverables under development: [ECC WorkProgram Database](#)
- Deliverables under [public consultation](#)
- Online information system on spectrum use in CEPT-ECC Countries: [ECO Frequency Information System](#)
- [MoU/LoU partners](#)