

A LONG TERM POLICY VISION FOR EUROPE

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DNA approach: Union Radio Spectrum Strategy & Roadmaps

Article 17 (recitals 87 – 91)

- **Union radio spectrum strategy: flexible, collaborative, not coercive approach**
 - Communication (non-binding) by the EC after consulting stakeholders and RSPB
 - forward-looking; updated after each WRC
 - to guide long-term spectrum planning, innovation and efficient use in the EU; to identify spectrum needs, ensure availability, protect spectrum for fulfilling objectives of different Union policy areas (ECN/S, research, transport, space, CSDP)
- **Union radio spectrum roadmap (binding)**
 - Adopted, where relevant, based on Union radio spectrum strategy
 - to identify spectrum needs for a **specific technology or service**, set timelines for technical harmonisation and potential deadlines for authorisation (e.g. 6G, RLAN)
 - update on RSPB recommendation based on technical, economic and societal developments
- **National radio spectrum roadmaps**
 - within 9 months after the adoption of Union Radio spectrum roadmap
 - indicates national measures and timelines; published and regularly updated
 - NCAs regularly report on implementation;
 - EC and RSPB to identify and address any shortcomings where the progress in achieving objectives of Union radio spectrum roadmap is insufficient



Long term vision for spectrum

- **6G roadmap:**
 - Upper 6 GHz as an additional pioneer band;
 - Progressive reform of IMT bands for 6G;
 - Take-up of mmW bands ; sub-THz bands, reality or science fiction?
- **Sub-700 MHz UHF band:**
 - Coordinated approach, while respecting MS diversity in terms of importance of broadcasting, and PMSE needs
- **Satellite:**
 - TN/NTN integration; impacts on spectrum
 - D2D: future of MSS bands and efficient use of IMT bands
 - LPD new standalone spectrum measure (Implementing Decision) on this use of spectrum.
- **Spectrum sharing:**
 - From theory to practice: between mobile technologies, between TN and NTN;
 - Role of AI; quid of a spectrum data base?
- **International dimension:**
 - WRC-27 and 31: reinforcing ITU governance; protecting key spectrum resources for EU policies; ensuring balanced spectrum access; ensuring GNSS resilience