



Brussels
CNECT.B.4

MANDATE TO CEPT
TO AMEND COMMISSION DECISION 2005/513/EC ON THE HARMONISED USE OF RADIO
SPECTRUM IN THE 5 GHz FREQUENCY BAND FOR THE IMPLEMENTATION OF WIRELESS
ACCESS SYSTEMS INCLUDING RADIO LOCAL AREA NETWORKS (WAS/RLANS)
FOLLOWING WRC-19

1. PURPOSE

The objective of this Mandate is to amend the technical conditions for WAS/RLANs currently harmonised by Decision¹ 2005/513/EC as amended by Decision 2007/90/EC on WAS/RLANs in the 5 GHz band, in accordance with the outcome of WRC-19 and, as appropriate, with the results of assessment of possibilities for the usage of WAS/RLANs on board vehicles (aircraft, road vehicles (cars, busses), trains, etc.) and feasibility of the usage of WAS/RLANs for UAS ('Unmanned Aerial Systems') radio links.

2. BACKGROUND

WRC-03 adopted Resolution 229 on the 'Use of the bands 5150 - 5250 MHz, 5250 – 5350 MHz and 5470 - 5725 MHz by the mobile service for the implementation of wireless access systems including radio local area networks' recently revised at WRC-19.

Resolution 229 (WRC-03) was an incentive for further European harmonisation to enable a rapid take-up of WAS/RLAN systems in the European Union. Pursuant to Radio Spectrum Decision² 676/2002/EC and following a Mandate to CEPT, the Commission adopted Decision 2005/513/EC on the harmonised use of radio spectrum in the 5 GHz frequency band for WAS/RLANs.

Resolution 229 was revised by WRC-19, now providing new options within the frequency band 5150 - 5250 MHz.

Moreover CEPT initiated activities on the update of the harmonised framework for WAS/RLANs at 5 GHz to consider the impact of the WRC-19 results and to include specific harmonised conditions for WAS/RLAN installations in vehicles (aircraft, road, trains) and to exclude use of WAS/RLANs for UAS radio links. In addition, in some Member States, meteorological radars are still suffering from 5 GHz WAS/RLAN

¹ Consolidated text of Decision 2005/513/EC (as amended by Decision 2007/90/EC) is available at <https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1580398540083&uri=CELEX:02005D0513-20070213>

² Decision 676/2002/EC of the European Parliament and of the Council of 7 March 2002 on a regulatory framework for radio spectrum policy in the European Community, OJL 108 of 24.4.2002

interferences highlighting the limit of corrective actions focusing on market surveillance. CEPT intends to review this issue soon.

3. JUSTIFICATION

Pursuant to Article 4 (2) of the Radio Spectrum Decision, the Commission may issue mandates to the CEPT for the development and amendment of technical implementing measures with a view to ensuring harmonised conditions for the availability and efficient use of radio spectrum necessary for the functioning of the internal market. Such mandates shall set the tasks to be performed and their timetable.

4. TASKS AND SCHEDULE

The objective of this Mandate is to amend the technical conditions for WAS/RLANs, currently harmonised by Decision 2005/513/EC as amended by Decision 2007/90/EC on WAS/RLANs in the 5 GHz band, in accordance with the outcome of WRC-19.

CEPT is asked to address the following tasks:

1) To propose technical conditions in order to amend Commission Decision 2005/513/EC based on the outcome of WRC-19 (revision of Resolution 229) with regard to the frequency band 5150 - 5250 MHz.

2) In order to propose corresponding updates of the harmonised technical conditions for WAS/RLANs in the bands 5150 - 5350 MHz and 5470 - 5725 MHz, as appropriate, to consider possibilities for the usage of these WAS/RLANs on board vehicles (aircraft, road vehicles (cars, busses), trains, etc.) and to assess feasibility of the usage of WAS/RLANs for UAS radio links.

CEPT is also requested to collaborate actively with all concerned stakeholders and the European Telecommunications Standardisation Institute (ETSI) which develops relevant voluntary harmonised standards for the presumption of conformity under Directive 2014/53/EU.

CEPT should provide deliverables according to the following schedule:

Delivery date	Deliverable	Subject
March 2021	Draft Report from CEPT to the Commission	Draft final results under tasks 1 and 2 specified in section 4.
July 2021	Final Report from CEPT to the Commission taking into account the outcome of the public consultation	Final results of tasks 1 and 2 specified in section 4 taking into account the results of the public consultation.

The Commission, with the assistance of the Radio Spectrum Committee and pursuant to the Radio Spectrum Decision, may consider applying the results of this Mandate in the EU, pursuant to Article 4 of the Radio Spectrum Decision.