

RECOMMENDATION ON FREQUENCY BANDS FOR INTELLIGENT TRANSPORT SYSTEMS (ITS)

The 39th Meeting of the Permanent Consultative Committee II: Radiocommunications,

CONSIDERING:

- a) that the growing radiocommunication needs of national and international road management can be satisfied through evolving intelligent transport systems (ITS) and other radio technologies;
- b) that facilitating greater levels of spectrum harmonization can be achieved through the cooperation of concerned administrations;
- c) that usage of the same frequencies by the same service will enable administrations to benefit from harmonization, while continuing to meet national planning requirements;
- d) that the use of ITS applications could improve traffic management, assist safe driving and support automated driving;
- e) that there is a need for the development of harmonized frequency bands for ITS implementation purposes;
- f) that other land mobile systems and other assistive technologies may effectively support some ITS applications;
- g) that ITS is not intended to provide broadband connectivity to the drivers/passengers;
- h) that the standard ETSI EN 302 571 covers the use of radiocommunications equipment operating in 5 855-5 925 MHz frequency band,
- i) that there are technologies implemented in radiocommunication local area networks (RLAN) operating in the 5 725-5 925 MHz band, or parts thereof, and are used to provide broadband connectivity.

RECOGNIZING:

- a) that [Recommendation 208 \(WRC-19\)](#) provides guidelines for the harmonization of frequency bands, or parts thereof, for evolving Intelligent Transport Systems applications under mobile service allocations;
- b) that [Recommendation ITU-R M.2121](#) provides guidelines for the harmonization of frequency bands, or parts thereof, for ITS in the mobile service;

¹ CCPII-2022-39-5567r3

- c) that [Report ITU-R M.2444](#) provides examples of arrangements for ITS deployments in certain ITU Regions and specific countries in order to assist in improving traffic management and safe driving;
- d) that some administrations have deployed or are considering the deployment of radiocommunication local area networks (RLAN) in some frequency bands recommended for ITS;
- e) that certain mitigation techniques may facilitate coexistence between ITS and RLAN when deploying both applications in adjacent sub-bands inband of the 5 850-5 925 MHz frequency band;
- f) that the use of frequency bands for ITS, or parts thereof, does not preclude the use of these bands/frequencies by any other applications or services to which they are allocated, and does not establish priority in the Radio Regulations;
- g) that ITS applications are not considered safety services as defined in provisions Nos. **1.59** and **4.10** of the ITU Radio Regulations.

RECOMMENDS:

that CITEL Member States should consider using the frequency band 5 850-5 925 MHz, or parts thereof, for ITS applications, taking into account, in particular, *recognizing d) and f.* and the potential coexistence issues between ITS and other applications and/or other services allocated in the band.