RESOLUTION 237 (WRC-15)

Intelligent Transport Systems applications

The World Radiocommunication Conference (Geneva, 2015),

considering

a) that information and communication technologies are integrated in a vehicle system to provide Intelligent Transport Systems (ITS) communication applications for the purpose of improving traffic management and assisting safe driving;

b) that there is a need for consideration of spectrum harmonization for ITS applications, which are being used globally or regionally;

c) that there is a need to integrate various technologies, including radiocommunications, into land transportation systems;

d) that many new connected vehicles use intelligent technologies in the vehicles' combined advanced traffic management, advanced traveller information, advanced public transportation management systems and/or advanced fleet management systems to improve traffic management;

e) that the International Organization for Standardization (ISO) is standardizing ITS (non-radio aspects) in ISO/TC204, including applications for "cooperative systems" which require vehicle-to-vehicle and vehicle-to-infrastructure radiocommunications;

f) that the 3rd Generation Partnership Project (3GPP) is standardizing radio interface, system architecture and service requirements of "LTE-based V2X Services" for ITS application;

g) that future vehicular radiocommunication technologies and ITS broadcast systems are emerging;

h) that some administrations have harmonized frequency bands for ITS radiocommunication applications,

recognizing

that harmonized spectrum and international standards would facilitate worldwide deployment of ITS radiocommunications and provide for economies of scale in bringing ITS equipment and services to the public,

noting

a) that the guidelines for radio interface requirements of ITS are described in Recommendation ITU-R M.1890;

b) that outlines of technologies and characteristics for dedicated short-range communications at 5.8 GHz are described in Recommendation ITU-R M.1453-2;

c) that some administrations in each of the three Regions have deployed radiocommunication local area networks in the frequency band 5 725-5 825 MHz, which is also identified for industrial, scientific and medical (ISM) applications;

d) that studies and feasibility tests on advanced ITS radiocommunications have been actively conducted towards the realization of traffic safety and a reduction of environmental impact as described in Report ITU-R M.2228;

e) that radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communications for ITS applications are described in Recommendation ITU-R M.2084,

emphasizing

a) that ITS applications currently operate within frequency bands allocated to a number of radiocommunication services in accordance with the relevant provisions of the Radio Regulations;

b) that the provisions of Nos. **1.59** and **4.10** do not apply to ITS applications,

resolves to invite the 2019 World Radiocommunication Conference

taking into account the results of ITU Radiocommunication Sector (ITU-R) studies, to consider possible global or regional harmonized frequency bands for the implementation of evolving ITS under existing mobile-service allocations,

invites ITU-R

to carry out studies on technical and operational aspects of evolving ITS implementation using existing mobile-service allocations,

invites administrations

to contribute actively to the ITU-R studies on this issue.