ADD

RECOMMENDATION 208 (WRC-19)

Harmonization of frequency bands for evolving
Intelligent Transport Systems applications
under mobile-service allocations

The World Radiocommunication Conference (Sharm el-Sheikh, 2019),

considering

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

b)   that there is a need for consideration of spectrum harmonization for evolving 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 and/or advanced fleet-management systems to improve traffic management;

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

f)   that some frequency bands harmonized for ITS are also allocated to the fixed-satellite service (FSS) (Earth-to-space), which under certain circumstances may cause potential interference to ITS stations while in close proximity,

recognizing

a)   that harmonized spectrum and international standards facilitate worldwide deployment of evolving ITS radiocommunications and provide for economies of scale in bringing evolving ITS equipment and services to the public;

b)   that the use of frequency bands harmonized for evolving ITS, or parts thereof, does not preclude the use of these bands/frequencies by any other application of the services to which they are allocated and does not establish priority in the Radio Regulations;

c)   that in those harmonized frequency bands or parts thereof for evolving ITS, there are existing services whose protection needs to be ensured;

d)   that evolving ITS also becomes important in helping to reduce road traffic problems such as congestion and accidents;

e)   that ITU-R studies on evolving ITS technologies are meant to address road safety and efficiency-related matters,

noting

a)   that the ITU-R Recommendations on ITS are Recommendations ITU-R M.1452, M.1453, M.1890, M.2057, M.2084 and M.2121;

b)   that the ITU-R Reports on ITS are Reports ITU-R M.2228, M.2322, M.2444 and M.2445;

c)   that some administrations have deployed or are considering deployment of radiocommunication local area networks in some frequency bands recommended for evolving ITS,

recommends

1   that administrations consider using globally or regionally harmonized frequency bands, or parts thereof, as described in the most recent versions of Recommendations (e.g. ITU-R M.2121), when planning and deploying evolving ITS applications, taking into account *recognizing b)* above;

2   that administrations take into account, if necessary, coexistence issues between ITS stations and stations of existing services (e.g. FSS earth stations), taking into account *considering f)*,

invites Member States and Sector Members

to participate actively in and to contribute to ITU-R studies on aspects of ITS and evolving ITS (e.g. connected vehicles, autonomous vehicles, adaptive driver assistance systems), through the ITU-R study groups,

instructs the Secretary-General

to bring this Recommendation to the attention of relevant international and regional organizations, in particular standards development organizations, dealing with ITS.