

## RESOLUTION 759 (WRC-15)

**Technical studies on the coexistence of the radiolocation service and  
the amateur, amateur-satellite and radio astronomy services  
in the frequency band 76-81 GHz**

The World Radiocommunication Conference (Geneva, 2015),

*considering*

- a) that the frequency band 77.5-78 GHz is allocated to the amateur and amateur-satellite services on a primary basis;
- b) that the frequency band 77.5-78 GHz is allocated to the radio astronomy service (RAS) on a secondary basis;
- c) that this conference has allocated the frequency band 77.5-78 GHz to the radiolocation service on a primary basis;
- d) that under No. **5.149**, administrations, in making assignments to stations of services other than radio astronomy to which the frequency band 76-86 GHz is allocated, are urged to take all practicable steps to protect the RAS from harmful interference,

*noting*

- a) that the allocation of the frequency band 76-81 GHz to the radiolocation service is used by radar applications and that a radar station may use the entire frequency band 76-81 GHz;
- b) that technical parameters of radars for automotive applications are contained in Recommendation ITU-R M.2057;
- c) that sharing studies between the amateur, amateur-satellite and radio astronomy services and the radiolocation service are limited to automotive radars as described in Report ITU-R M.2322,

*recognizing*

- a) that administrations may benefit from the availability of studies and guidelines about the protection of the RAS in the frequency band 76-81 GHz;
- b) that the protection of the RAS, in accordance with *considering d)*, may require additional measures in some countries, such as the definition of specific exclusion zones around RAS sites,

*resolves to invite the ITU Radiocommunication Sector*

to perform studies to assist administrations in ensuring compatibility between applications of the amateur, amateur-satellite and radio astronomy services and radiolocation service applications in the frequency band 76-81 GHz, taking into account those already completed in Report ITU-R M.2322, and develop ITU-R Recommendations and Reports, as appropriate.