

RESOLUTION 251 (WRC-19)

**Removal of the limitation regarding aeronautical mobile in the frequency range
694-960 MHz for the use of International Mobile Telecommunications user
equipment by non-safety applications**

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

considering

- a) that there is a need for greater connectivity of aeronautical vehicles to address existing demand and future requirements from the aeronautical community;
- b) that current and future International Mobile Telecommunications (IMT) networks can provide connectivity services to helicopters, small aircraft and unmanned aircraft systems (UAS);
- c) that current and future IMT networks may provide communication functions for the beyond visual line-of-sight operation of UAS;
- d) that future IMT networks may support direct air-ground connectivity services to commercial airplanes with specific equipment on board airplanes;
- e) that the IMT capacities identified in the *considering* paragraphs above have been demonstrated to be feasible by several studies and are currently being developed by standards development organizations,

noting

- a) that ITU Radiocommunication Sector sharing and compatibility studies supporting the identification of specific frequency bands for IMT did not consider the use cases described in *considering b) to e)*;
- b) that the frequency band 694-960 MHz is allocated on a primary basis to the mobile, except aeronautical mobile, service in Region 1;
- c) that the frequency bands 890-902 MHz and 928-942 MHz are allocated on a primary basis to the mobile, except aeronautical mobile, service in Region 2 and that the frequency band 902-928 MHz is allocated on a secondary basis to the mobile, except aeronautical mobile, service in Region 2;
- d) that Nos. **5.312** and **5.323** allocate the frequency band 645-960 MHz or parts thereof to the aeronautical radionavigation service on a primary basis in several countries of Region 1;
- e) that the frequency band 694-960 MHz is allocated on a primary basis to the broadcasting service in Region 1;
- f) that Resolution **224 (Rev.WRC-19)** addresses frequency bands for the terrestrial component of IMT below 1 GHz;
- g) that Resolution **749 (Rev.WRC-19)** addresses the use of the frequency band 790-862 MHz in countries of Region 1 and the Islamic Republic of Iran by mobile applications and by other services;

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h) that Resolution **760 (Rev.WRC-19)** addresses provisions relating to the use of the frequency band 694-790 MHz in Region 1 by the mobile, except aeronautical mobile, service and by other services,

recognizing

that the removal of the limitation regarding aeronautical mobile in the proposed frequency bands would enable the unified use of the IMT identifications by aeronautical user equipment throughout the Regions,

resolves to invite the ITU Radiocommunication Sector

- 1 to assess relevant aeronautical mobile service scenarios for air-ground and ground-air connectivity for airborne user equipment in IMT networks to be addressed in compatibility and sharing studies;
- 2 to identify relevant technical parameters associated with the aeronautical mobile systems;
- 3 to conduct sharing and compatibility studies with existing services, including in adjacent frequency bands;
- 4 to determine the possibility of removing the aeronautical mobile service exception or other suitable regulatory measures in the frequency ranges 694-960 MHz in Region 1 and 890-942 MHz in Region 2, based on the results of studies,

invites the 2027 World Radiocommunication Conference

to consider the results of the above studies and take appropriate actions.