

RESOLUTION 174 (WRC-19)

**Primary allocation to the fixed-satellite service in the space-to-Earth direction
in the frequency band 17.3-17.7 GHz in Region 2**

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

considering

- a)* the need to encourage the development and implementation of new technologies in the fixed-satellite service (FSS) for broadband applications;
- b)* that FSS systems based on the use of new technologies associated with geostationary-satellite systems are capable of providing high-capacity and low-cost means of broadband communication even to the most isolated regions of the world;
- c)* that the Radio Regulations should enable the introduction of new applications of radiocommunication technology to ensure the operation of as many systems as possible in order to ensure efficient use of the spectrum;
- d)* that the frequency band 17.3-17.7 GHz is allocated in Region 2 on a primary basis to the broadcasting-satellite service (BSS) (space-to-Earth) and to the FSS (Earth-to-space), subject to the application of No. **5.516**,

recognizing

the need to preserve and protect frequencies subject to the application of Appendix **30A**,

noting

- a)* that technology has been developed to provide more efficient use of the spectrum;
- b)* that sharing of FSS (Earth-to-space) and FSS (space-to-Earth) is already considered in Region 1 for the frequency band 17.3-17.7 GHz;
- c)* that there is no other primary service in the frequency band 17.3-17.7 GHz apart from the FSS and the BSS,

resolves

that the studies referred in *invites the ITU Radiocommunication Sector* below shall protect radiocommunication services to which the frequency band is allocated on primary basis, in particular assignments contained in Appendix **30A**,

invites the ITU Radiocommunication Sector

to conduct, and complete in time for WRC-23, sharing and compatibility studies between the FSS (space-to-Earth) and the BSS (space-to-Earth) and between the FSS (space-to-Earth) and the FSS (Earth-to-space), in order to consider a possible new primary allocation to the FSS (space-to-Earth) in the frequency band 17.3-17.7 GHz for Region 2, while ensuring the protection of existing primary allocations in the same and adjacent frequency bands, as appropriate, and without imposing any additional constraints on existing allocations to the BSS (space-to-Earth) and the FSS (Earth-to-space),

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invites the 2023 World Radiocommunication Conference

to consider the results of the above studies and take necessary actions, as appropriate,

invites administrations

to participate actively in the studies and provide the technical and operational characteristics of the systems involved by submitting contributions to the ITU Radiocommunication Sector.