

RESOLUTION 14 (WRC-23)

Studies on development of regulatory measures, and implementability thereof, to limit the unauthorized operations of non-geostationary-satellite orbit (non-GSO) earth stations in the fixed-satellite service (FSS) and mobile-satellite service (MSS) and associated issues related to the service area of non-GSO FSS and MSS satellite systems

The World Radiocommunication Conference (Dubai, 2023)

considering

- a) the active implementation of non-geostationary-satellite orbit (non-GSO) systems in the fixed-satellite service (FSS) and mobile-satellite service (MSS) with a global service area;
- b) reports to the Radio Regulations Board (RRB) from administrations regarding the presence of unauthorized transmissions of transmitting earth stations of non-GSO FSS and MSS systems within their territory;

noting

- a) that Article **18** specifies the requirements for licensing the operation of stations within any given territory;
- b) that No. **18.1** provides that no transmitting station may be established or operated by a private person or by any enterprise without a licence issued in an appropriate form and in conformity with the provisions of the Radio Regulations by or on behalf of the government of the country to which the station in question is subject;
- c) that administrations involved in the provision of satellite services, including notifying administrations of satellite networks or systems, are subject to Article **18**;
- d) that Resolution **22 (Rev.WRC-23)**, on measures to limit unauthorized uplink transmissions from earth stations, resolves that the operation of transmitting earth stations within the territory of an administration shall be carried out only if authorized by that administration;
- e) that Resolution **25 (Rev.WRC-23)**, on operation of global satellite systems for personal communications, *resolves* that administrations licensing global satellite systems and stations intended to provide public personal communications by means of fixed, mobile or transportable terminals shall ensure, when licensing these systems and stations, that they can be operated only from the territory or territories of administrations having authorized such service and stations in compliance with Articles **17** and **18**, in particular No. **18.1**;

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f) that Resolution 219 (Bucharest, 2022) of the Plenipotentiary Conference encourages Member States, when authorizing non-GSO systems, to take all necessary actions to avoid unacceptable interference to GSO and other non-GSO systems, as well as to other radio services of other administrations, and to ensure the efficient use of radio-frequency spectrum and associated satellite orbit resources; to this effect, the necessary regulatory frameworks need to be developed for the operation of non-GSO systems;

g) that No. 15.5 b) provides that “radiation in and reception from unnecessary directions shall be minimized by taking the maximum practical advantage of the properties of directional antennas whenever the nature of the service permits”;

h) that earth stations may be equipped with devices allowing geolocation as well as cessation of emissions in the Earth-to-space direction,

recognizing

a) that the ITU Constitution recognizes the sovereign right of each Member State to regulate its telecommunications;

b) that Member States have the sovereign right to license the use of non-GSO systems in their territories and that radiation in and reception from unnecessary directions shall be minimized;

c) that Member States may wish to exclude its territory from the service area of the non-GSO satellite system;

d) that unauthorized use of non-GSO FSS and MSS earth stations is prohibited,

resolves to invite the ITU Radiocommunication Sector to complete in time for the 2027 world radiocommunication conference

1 studies on regulatory measures to limit the unauthorized operations of non-GSO FSS and MSS earth stations in the Earth-to-space direction in order to address and cease such operations, taking into account technical and operational aspects, as appropriate;

2 studies on regulatory measures, taking into account *recognizing c)* with regard to non-GSO FSS and MSS satellite systems, and the implementability of such measures, without adversely affecting the provision of service in the rest of the service area of the non-GSO satellite system,

invites administrations

to participate actively in the studies and provide the information required for the studies listed under *resolves to invite the ITU Radiocommunication Sector to complete in time for the 2027 world radiocommunication conference* by submitting contributions to ITU Radiocommunication Sector,

resolves to invite the 2027 world radiocommunication conference

to consider the results of the studies under *resolves to invite the ITU Radiocommunication Sector to complete in time for the 2027 world radiocommunication conference* above and take appropriate action.