RESOLUTION 219 (BUCHAREST, 2022)

Sustainability of the radio-frequency spectrum and associated satellite-orbit resources used by space services

The Plenipotentiary Conference of the International Telecommunication Union (Bucharest, 2022),

recognizing

a) Articles 6 and 44 of the ITU Constitution;

b) the role of ITU in facilitating the international coordination of radio frequencies used by space services,

considering

a) the continued and expanded launch and operation of a large number of non-geostationary satellites in outer space;

b) that there is a need to review technologies used in satellite networks in the geostationary-satellite orbit (GSO), as well as the increased numbers of satellites within non-GSO satellite systems, with a view to addressing them, if necessary, in the Radio Regulations and in the processing of frequency assignments by the Radiocommunication Bureau (BR);

c) that the available radio-frequency spectrum and associated orbit resources are limited and must be shared among all nations;

d) that there are provisions in the Radio Regulations to protect GSO satellite networks from non-GSO satellite systems,

noting

the urgency of addressing these types of issues associated with non-GSO systems before they are launched and operational,

resolves

1 to instruct the Radiocommunication Assembly, as a matter of urgency, to perform the necessary studies through relevant ITU Radiocommunication Sector (ITU-R) study groups on the issue of the increasing use of radio-frequency spectrum and associated orbit resources in non-GSO orbits and the long-term sustainability of these resources, as well as on equitable access to, and rational and compatible use of, the GSO and non-GSO orbit and spectrum resources, consistent with the objectives of Article 44 of the Constitution;

2 that the results of the abovementioned studies should be submitted by the Director of BR to the subsequent world radiocommunication conference (WRC) for its consideration and any necessary action, as appropriate,

encourages Member States

1 to participate actively in these studies by submitting contributions to ITU-R;

2 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,

instructs the Director of the Radiocommunication Bureau

to report to WRCs, preferably WRC-23, on the results of implementation of this resolution,

instructs the Director of the Telecommunication Development Bureau

1 to work with regulators, including through the Global Symposium for Regulators, to encourage non-GSO system licensing expertise and capacity building;

2 to include annually on the ITU Telecommunication Development Sector's Digital Development Dashboard reports on Member States' adoption of policies to support equitable access to the radio-frequency spectrum and associated orbits.

(Bucharest, 2022)