QUESTION ITU-R 231/4[[1]](#footnote-1)\*

Sharing between systems of the fixed-satellite service using non-geostationary satellites and other networks of the fixed-satellite service

(1995)

The ITU Radiocommunication Assembly,

considering

*a)* that satellite systems involving non-geostationary orbit (non-GSO) satellites and the associated earth stations have been implemented in the fixed-satellite service (FSS) using the relevant existing frequency allocations;

*b)* that the satellite systems in *considering* *a)* have introduced new sharing situations with other FSS systems which have not been fully studied;

*c)* that sharing criteria used for interference between geostationary FSS networks and other FSS systems may not be applicable to the sharing situation referred to in *considering b)*,

decidesthat the following Questions should be studied

1 What are the technical characteristics likely to be used in non-GSO FSS systems?

2 What are the permissible interference criteria (both long term and short term) between non-GSO FSS systems and other FSS uses of the same frequency bands?

3 What are the interference calculation methods needed to analyse the potential interference between non-GSO FSS systems and other FSS uses of the same frequency bands?

4 What are the spectrum sharing possibilities and technical solutions that are available to permit the sharing of frequencies between non-GSO FSS systems and other FSS uses of the same frequency bands?

further decides

1 that the results of the above studies should be included in appropriate Recommendations and/or Reports;

2 that the above studies should be completed by 2027.

NOTE – See Recommendations ITU-R S.1255, ITU-R S.1257, ITU-R S.1323, ITU-R S.1325 and ITU-R S.1328.

Category: S2

1. \* Radiocommunication Study Group 4 made editorial amendments to this Question in the year 2023 in accordance with Resolution ITU-R 1. [↑](#footnote-ref-1)