

QUESTION ITU-R 205-1/4

Frequency sharing between non-geostationary satellite feeder links in the fixed-satellite service used by the mobile-satellite service

(1993-1995)

The ITU Radiocommunication Assembly,

considering

- a) that the World Administrative Radio Conference For Dealing With Frequency Allocations in Certain Parts of the Spectrum (Málaga-Torremolinos, 1992) (WARC-92) adopted primary mobile-satellite service (MSS) allocations in the 1 to 3 GHz frequency range on a shared primary basis with other radio services subject to coordination in accordance with Resolution 46;
- b) that there are other MSS allocations;
- c) that non-geostationary satellite orbit (non-GSO) networks implementing these MSS allocations may use the fixed-satellite service (FSS) allocations for feeder links;
- d) that the feeder links for these MSS non-GSO networks are considered part of the FSS;
- e) that the frequency and technical characteristics of such feeder links for the non-GSO MSS networks may depend on the technical characteristics of such systems using the MSS frequency bands;
- f) that several of these non-GSO MSS networks may use the same FSS frequency band for their feeder links;
- g) that studies of interference mechanisms between non-GSO networks in the respective MSS and the FSS allocated bands have commenced but are not complete;
- h) that the permissible interference criteria used for geostationary FSS networks may not be applicable to the FSS feeder links for non-GSO MSS networks,

decides that the following Question should be studied

- 1 What are the updated technical characteristics of the FSS feeder link used by the non-GSO MSS networks?
- 2 What are the permissible interference criteria between FSS feeder links used by the non-GSO MSS networks taking into account the impact on the MSS?
- 3 What are the other general constraints (including number of networks) under which sharing is feasible between the feeder-links of two or more non-GSO MSS networks?
- 4 What are the spectrum sharing possibilities and technical solutions that are available to permit the sharing of frequencies between FSS feeder links used by non-GSO MSS networks?
- 5 What are the appropriate coordination methods for sharing between the feeder-links of two or more non-GSO MSS networks?

further decides

- 1 that the results of these studies should lead to the formulation of appropriate Recommendations by 2006.

