

RECOMMENDATION ITU-R S.737*

**Relationship of technical coordination
methods within the fixed-satellite service**

(1992)

The ITU Radiocommunication Assembly,

considering

- a) that under the ITU Radio Regulations, proposed geostationary-satellite networks in the FSS may require coordination with other existing and proposed networks;
- b) that there is a need to determine whether a given FSS network might be affected by another FSS network;
- c) that it is desirable to eliminate from coordination those networks which are not likely to be affected;
- d) that as further information on proposed networks becomes available, it is possible to use one or more techniques to reduce the number of satellite networks involved in the coordination process;
- e) that detailed coordination entails calculation of the relative levels of the wanted and interfering carriers, taking into account the actual signals being used, the system configurations, orbital spacing, etc.;
- f) that several calculation techniques may be used in coordination. It would be efficient to have a diagram indicating the relationship among these calculation methods,

recommends

- 1 that the method given in Recommendation ITU-R S.738 can be used for determining whether there is a need for coordination among networks of the fixed-satellite service;
- 2 that when certain additional information is available, one or more of the methods given in Recommendation ITU-R S.739 can be used for determining whether further detailed coordination is required;
- 3 that when detailed coordination is required, one or more of the methods given in Recommendation ITU-R S.740 can be used;
- 4 that the method given in Recommendation ITU-R S.741 can be used for calculating carrier-to-interference ratios.

NOTE 1 – The appropriate technical Annexes in connection with the calculation methods described in these *recommends* can be located using the diagram in Annex 1.

* Radiocommunication Study Group 4 made editorial amendments to this Recommendation in 2001 in accordance with Resolution ITU-R 44 (RA-2000).

ANNEX 1

**Relationship of technical coordination methods
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