



Resolution SFCG A36-2

**REPORTING OF RADIO FREQUENCY INTERFERENCE TO EARTH
EXPLORATION-SATELLITE SERVICE (PASSIVE) SENSORS**

The SFCG,

CONSIDERING

- a)* that primary allocations have been made to various active radiocommunication services in bands adjacent, nearby, or within bands allocated to the Earth exploration-satellite service (EESS) (passive);
- b)* that emissions, either necessary or unwanted, originating from transmitters may cause unacceptable interference to an EESS (passive) mission operated by an SFCG member;
- c)* that the necessary or unwanted emissions referred to in b) may not be in accordance with the ITU Radio Regulations and ITU-R Recommendations;
- d)* that the enforcement of the ITU Radio Regulations requires that the affected administration notify the administration from where the interference, described in CONSIDERING b) and c), originates and request that the matter be investigated and resolved;
- e)* that, in particular, harmful interference is experienced in frequency bands identified under RR No. **5.340** which prohibits all emissions in the bands identified in that footnote;
- f)* that the interference experienced by EESS (passive) sensors typically originates from terrestrially based emitters on the earth or aeronautical station emissions;
- g)* that recent microwave images derived from the operation of EESS (passive) sensors have shown an increasing number of events where the retrieved data are corrupted by interference;
- h)* that instances of harmful interference that have occurred to EESS (passive) operations have been underreported both to the administration of the country from which the interference originates and to the ITU-R BR;

- i) that administrations and the ITU-R BR consider the relative few number of harmful RFI reports by EESS (passive) operators to be an indication that RFI is not a problem to EESS (passive) operations;

RECOGNIZING

- a) that, according to the Constitution and Convention of the ITU, one purpose of the ITU is to coordinate efforts to eliminate harmful interference;
- b) that Resolution **673 (Rev.WRC-12)** on “*The importance of Earth observation radiocommunication applications*” urges administrations to take into account Earth observation radio-frequency requirements and in particular protection of the Earth observation systems in the related frequency bands;
- c) that RR Article **15** and in particular its provisions No. **15.21** (section on Reports on Infringements) and Nos. **15.22-15.46** (section on Procedure in case of harmful interference) are applicable in cases of harmful interference;
- d) that full particulars relating to harmful interference shall, whenever possible, be given in the form indicated in Appendix **10** of the Radio Regulations;
- e) that Appendix **10** states that sufficient information shall be provided to the administration receiving the report of interference so that an appropriate investigation can be conducted;
- f) that, in addition to the RR provisions identified in *recognizing b)* and *c)*, the ITU-R is developing a form that may be used to report received EESS (passive) sensor interference to the Administrations from whose territories the interference has been found to originate.
- g) that Resolution SFCG A32-1 resolves:
 1. that SFCG Members experiencing unacceptable interference to either their active or passive sensors operations from emissions originating from another SFCG Member’s administration may contact the Delegation Coordinator of that SFCG Member, as identified by the on-line SFCG membership list, for assistance;
 2. that once contacted, the SFCG Member contacted will assist, to the extent possible, in addressing the problem within their own administration.

RESOLVES

- 1 that SFCG members with EESS (passive) operations will take all practicable steps in reporting instances of harmful interference that are encountered to the administration of the country from which the interference originates and to the ITU-R BR for information and possible assistance using the form referenced in recognizing f);
- 2 that SFCG members report such instances in the form of an input document to the next SFCG meeting.