

QUESTION ITU-R 48-6/5*

**Techniques and frequency usage in the amateur service
and amateur-satellite service**

(1978-1982-1990-1993-1998-2003-2007)

The ITU Radiocommunication Assembly,

considering

- a) that the Radio Regulations define an amateur service and an amateur-satellite service, allocate frequencies to them on an exclusive or shared basis, and provide for the cessation of emissions from amateur satellites;
- b) that the amateur and amateur-satellite services provide benefits of self-training, intercommunication, and technical investigation carried on by amateurs, that is, by duly qualified and authorized persons throughout the world interested in radio techniques solely for the development of personal skills and mutual exchange of information without pecuniary interest;
- c) that, incidental to their basic purposes, the amateur and amateur-satellite services have pioneered new and novel techniques for radio reception and transmission using inexpensive equipment with relatively small antennas;
- d) that frequency dependent factors determine to a large extent the effectiveness of radiocommunications in the amateur and amateur-satellite services;
- e) that the amateur service and the amateur-satellite service continue to make significant contributions to the observation and understanding of propagation phenomena;
- f) that amateur and amateur-satellite station operators continue to contribute to the development and demonstration of spectrum conservation techniques throughout the radio-frequency spectrum;
- g) that the amateur and amateur-satellite services provide communications during natural disasters and other catastrophic events when normal communications are temporarily interrupted or inadequate for the needs of human relief operations;
- h) that the amateur and amateur-satellite services contribute to the training of operators and technical personnel, which is of particular benefit to developing countries,

decides that the following Questions should be studied

- 1** What are the most desirable technical and operational characteristics of future systems for the amateur and amateur-satellite services?
- 2** What techniques being applied or investigated in these services may be of interest to other services?
- 3** How can these services make greater contributions to training of operators and technicians in developing countries?

* Former Question ITU-R 48-6/8.

- 4 What are the appropriate criteria for frequency sharing between the amateur, amateur-satellite and other radiocommunication services?
- 5 What technical and operational characteristics are most suitable for amateur and amateur-satellite systems for communications during natural disasters?
- 6 What modifications, if any, should be considered in the provisions addressing communication, technical characteristics and operator qualifications in the amateur service and amateur-satellite service?

further decides

- 1 that the results of the above studies should be included in one or more Recommendations, Reports or Handbooks;
- 2 that the above studies should be completed by 2010.

Category: S2