

## RECOMMENDATION ITU-R M.1043-1

**USE OF THE AMATEUR AND AMATEUR-SATELLITE SERVICES  
IN DEVELOPING COUNTRIES**

(Question ITU-R 48/8)

(1994-1998)

The ITU Radiocommunication Assembly,

*considering*

- a) that in developing countries there is an urgent need for experienced radiocommunications operators and technicians;
- b) that there is a need for radio stations in rural and remote areas for use during natural disasters;
- c) that the amateur and amateur-satellite services have the potential to contribute to meeting these needs;
- d) that, in particular, these services offer the opportunity for obtaining interactive training and experience;
- e) Resolutions 14, 15 and 16 of WARC-79,

*recommends*

- 1** that administrations encourage and facilitate the amateur and amateur-satellite services to:
    - 1.1** develop radio operator skills;
    - 1.2** train engineers and technicians to design, construct and maintain radio equipment and systems;
    - 1.3** assist in forming groups capable of providing local support;
    - 1.4** exchange technical and operational information;
    - 1.5** experiment with new technology;
    - 1.6** establish stations in rural and remote areas;
    - 1.7** give special consideration to youth programmes;
  - 2** that administrations facilitate the rapid deployment and effective use of telecommunication resources for disaster mitigation and for disaster relief operations by alleviating and, where possible, removing barriers and strengthening transborder cooperation between States;
  - 3** that administrations use volunteers, where possible, to facilitate development of the amateur services;
  - 4** that, to accommodate the particular needs of developing countries, radio systems be developed with the following characteristics:
    - 4.1** minimum investment;
    - 4.2** capable of adapting to a variety of transportation and operational environments, e.g., vibration and shock, temperature and humidity extremes, dust, and a range of power sources;
    - 4.3** sufficient flexibility to accommodate different communications distances, propagation conditions and population densities;
    - 4.4** easy to maintain.
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