

## RECOMMENDATION ITU-R M.1043

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

(Question ITU-R 48/8)

(1994)

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 Nos. 14, 15 and 16 of the Radio Regulations,

*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 use volunteers, where possible, to facilitate development of the amateur services;
  - 3. that, to accommodate the particular needs of developing countries, radio systems be developed with the following characteristics:
    - 3.1 minimum investment;
    - 3.2 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;
    - 3.3 sufficient flexibility to accommodate different communications distances, propagation conditions and population densities;
    - 3.4 easy to maintain.
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