



**Recommendation ITU-R M.1043-2**  
(06/2003)

**Use of the amateur and amateur-satellite  
services in developing countries**

**M Series**  
**Mobile, radiodetermination, amateur  
and related satellite services**

## Foreword

The role of the Radiocommunication Sector is to ensure the rational, equitable, efficient and economical use of the radio-frequency spectrum by all radiocommunication services, including satellite services, and carry out studies without limit of frequency range on the basis of which Recommendations are adopted.

The regulatory and policy functions of the Radiocommunication Sector are performed by World and Regional Radiocommunication Conferences and Radiocommunication Assemblies supported by Study Groups.

## Policy on Intellectual Property Right (IPR)

ITU-R policy on IPR is described in the Common Patent Policy for ITU-T/ITU-R/ISO/IEC referenced in Annex 1 of Resolution ITU-R 1. Forms to be used for the submission of patent statements and licensing declarations by patent holders are available from <http://www.itu.int/ITU-R/go/patents/en> where the Guidelines for Implementation of the Common Patent Policy for ITU-T/ITU-R/ISO/IEC and the ITU-R patent information database can also be found.

### Series of ITU-R Recommendations

(Also available online at <http://www.itu.int/publ/R-REC/en>)

Series	Title
<b>BO</b>	Satellite delivery
<b>BR</b>	Recording for production, archival and play-out; film for television
<b>BS</b>	Broadcasting service (sound)
<b>BT</b>	Broadcasting service (television)
<b>F</b>	Fixed service
<b>M</b>	<b>Mobile, radiodetermination, amateur and related satellite services</b>
<b>P</b>	Radiowave propagation
<b>RA</b>	Radio astronomy
<b>RS</b>	Remote sensing systems
<b>S</b>	Fixed-satellite service
<b>SA</b>	Space applications and meteorology
<b>SF</b>	Frequency sharing and coordination between fixed-satellite and fixed service systems
<b>SM</b>	Spectrum management
<b>SNG</b>	Satellite news gathering
<b>TF</b>	Time signals and frequency standards emissions
<b>V</b>	Vocabulary and related subjects

*Note: This ITU-R Recommendation was approved in English under the procedure detailed in Resolution ITU-R 1.*

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## RECOMMENDATION ITU-R M.1043-2\*

**Use of the amateur and amateur-satellite services  
in developing countries**

(Question ITU-R 48/8)

(1994-1998-2003)

**Scope**

This Recommendation encourages administrations to facilitate the amateur and amateur-satellite services to include developing operator skills, training of technicians, and deployment of amateur stations in rural areas and in emergency situations. It encourages the use of volunteers and to accommodate the particular needs of developing countries.<sup>1</sup>

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) Resolution 15 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;

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\* Radiocommunication Study Group 5 made editorial amendments to this Recommendation in 2008 in accordance with Resolution ITU-R 44.

<sup>1</sup> See also Recommendation ITU-D 13.1 – Effective utilization of the amateur services in disaster mitigation and relief operations.

**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 electromagnetic environments;

**4.4** ease of maintenance.

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