



**Recommendation ITU-R M.1544-1**  
(09/2015)

**Minimum qualifications of  
radio amateurs**

**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.1544-1

**Minimum qualifications of radio amateurs**

(Question ITU-R 48/5)

(2001-2015)

**Scope**

This Recommendation defines minimum levels of operational and technical knowledge for use by administrations when verifying the qualifications of a person wishing to operate a station in the amateur services.

**Keywords**

Amateur, amateur-satellite, qualifications

The ITU Radiocommunication Assembly,

*considering*

- a) that No. **1.56** of the Radio Regulations (RR) defines the amateur service as: “A *radiocommunication service* for the purpose of self-training, intercommunication and technical investigations carried out by amateurs, that is, by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest.”;
- b) that RR No. **1.57** defines the amateur-satellite service as: “A *radiocommunication service* using *space stations* on earth *satellites* for the same purposes as those of the *amateur service*.”;
- c) that RR No. **25.6** provides that “Administrations shall verify the operational and technical qualifications of any person wishing to operate an amateur station”;
- d) that certain minimum operator operational and technical qualifications are necessary for proper operation of an amateur or amateur-satellite station,

*recommends*

- 1** that administrations take such measures as they judge necessary to verify the operational and technical qualifications of any person wishing to operate an amateur station;
- 2** that any person seeking a licence to operate an amateur station should demonstrate theoretical knowledge of:
  - Radio regulations
    - international
    - domestic
  - Methods of radiocommunication
    - radiotelephony
    - radiotelegraphy<sup>1</sup>
    - data and image

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<sup>1</sup> The ability to send and receive texts in Morse code signals is not a minimum qualification. See RR No. **25.5**.

- Radio system theory
    - transmitters
    - receivers
    - antennas and propagation
    - measurements
  - Radio emission safety
  - Operating procedures
  - Electromagnetic compatibility
  - Avoidance and resolution of radio frequency interference.
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