



Recommendation ITU-R SM.2103-0
(09/2017)

**Global harmonization of short-range
devices categories**

SM Series
Spectrum management



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

(2017)

Scope

This Recommendation contains guidelines for the categories recommended for short-range devices (SRDs) requiring operation on a globally harmonized basis.

Keywords

Short range devices, Categories, Harmonization

Abbreviations

AIMD:	Active implantable medical device
EAS:	Electronic article surveillance
ID:	IDentification
ISM:	Industrial, scientific and medical
ISO:	International Organization for Standardization
ITS:	Intelligent transport system
NFC:	Near field communication
RFID:	Radio frequency identification
SRD:	Short range device
ULP-AMI:	Ultra low power active medical implant
UWB:	Ultra-wideband

The ITU Radiocommunication Assembly,

considering

- a) that the Radiocommunication Assembly 2015 approved Resolution ITU-R 54-2 – Studies to achieve harmonization for short-range devices;
- b) that there is an increasing demand for and use of SRDs for a wide variety of applications throughout the world;
- c) that SRD applications are not a defined radio service and do not require any specific frequency attribution to be able to operate;
- d) that SRDs are not industrial, scientific and medical (ISM) applications as defined in No. 1.15 of the Radio Regulations (RR);
- e) that by their nature, SRDs are being used on a worldwide basis, either as an independent device or as an integral part of other systems, and are often carried and used across national borders;
- f) that some SRD categories, used in different regions of the world with different names, may refer to the same SRD equipment;
- g) that some SRD categories are commonly used in many countries, while some other categories are used only regionally or individually in some countries;