



Recommendation ITU-R RS.1884
(02/2011)

**Methodology for determining terrestrial and
space-to-Earth sharing and coordination
criteria for meteorological aids
in the 400.15-406 MHz and
1 668-1700 MHz bands**

RS Series
Remote sensing systems



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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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RECOMMENDATION ITU-R RS.1884

Methodology for determining terrestrial and space-to-Earth sharing and coordination criteria for meteorological aids in the 400.15-406 MHz and 1 668-1 700 MHz bands

(2011)

Scope

This Recommendation provides information on determining terrestrial and space-to-Earth sharing and coordination criteria for meteorological aids (radiosondes, dropsondes and rocketsondes) operating in the 400.15-406 MHz and 1 668.4-1 700 MHz bands.

The ITU Radiocommunication Assembly,

considering

- a) that frequency bands allocated to the meteorological aids service may be shared by systems operating in other services, including the Earth exploration-satellite and meteorological-satellite services;
- b) that sharing and coordination criteria for these systems should relate to the maximum level of interference that can be accepted from an individual interferer;
- c) that the methodology used to develop sharing and coordination criteria for the Earth exploration-satellite and meteorological-satellite services may be applied to systems operating in the meteorological aids service in order to determine acceptable single-entry levels of interference that are greater than or equal to the permissible levels,

recommends

- 1 that the methodology given in Annex 1 should be used for the development of sharing and coordination criteria and in compatibility studies between Earth exploration-satellite and meteorological-satellite services, and meteorological aids service;
- 2 that the example given in Annex 2 should be used as a guide in implementation of the methodology given in Annex 1;
- 3 that the interference criteria given in Recommendation ITU-R RS.1263 for meteorological aids operating in the 400.15-406 MHz and 1 668.4-1 700 MHz bands, should be considered in the development of coordination criteria for the specific systems operating in the Earth exploration-satellite and meteorological-satellite services.