



Recommendation ITU-R S.2112-0
(01/2018)

Guidelines to conduct bilateral coordination for explicit agreements, in the frequency band 14.5-14.75 GHz for Regions 1 and 2 countries, or in the frequency band 14.5-14.8 GHz for Region 3 countries, in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service, in order to protect all existing and planned systems of allocated services in 14.5-14.8 GHz in the territories of those administrations engaging in such agreements

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Fixed-satellite service



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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.

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SA	Space applications and meteorology
SF	Frequency sharing and coordination between fixed-satellite and fixed service systems
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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 S.2112-0¹

Guidelines² to conduct bilateral coordination for explicit agreements, in the frequency band 14.5-14.75 GHz for Regions 1 and 2 countries, or in the frequency band 14.5-14.8 GHz for Region 3 countries, in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service, in order to protect all existing and planned systems of allocated services in 14.5-14.8 GHz in the territories of those administrations engaging in such agreements

(2018)

Scope

Following the WRC-15 adoption of allocations allowing the deployment of earth stations in some Region 1 and 2 countries in the frequency band 14.5-14.75 GHz, as listed in Resolution **163 (WRC-15)**, and in some Region 3 countries in the frequency bands 14.5-14.8 GHz, as listed in Resolution **164 (WRC-15)**, in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service, this Recommendation aims at providing a guideline for those administrations which are engaging in bilateral coordination for explicit agreements, in the framework of RR No. **5.509E**, by offering a baseline for discussion to guarantee protection of the existing and planned aeronautical mobile service systems to all administrations involved.

The ITU Radiocommunication Assembly,

considering

- a) that WRC-15 adopted allocations that allow the deployment of earth stations in some Regions 1 and 2 countries in the frequency band 14.5-14.75 GHz, as listed in Resolution **163 (WRC-15)**, and in some Region 3 countries in the frequency band 14.5-14.8 GHz, as listed in Resolution **164 (WRC-15)**, in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service;
- b) that the clear intention behind WRC-15 decision was to protect existing and planned systems in the 14.5-14.75 GHz in Region 1 and 2 and in the 14.5-14.8 GHz in Region 3, as per RR No. **5.509F**;
- c) that a set of technical and operational constraints as per RR Nos. **5.509B**, **5.509C**, **5.509D** and **5.509E** were agreed for the administrations listed in Resolution **163 (WRC-15)** or in Resolution **164 (WRC-15)**;
- d) that among the above listed technical and operational constraints, RR No. **5.509E** requires that, in the frequency band 14.5-14.75 GHz in countries listed in Resolution **163 (WRC-15)** and in the frequency band 14.5-14.8 GHz in countries listed in Resolution **164 (WRC-15)** in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service, the location of an earth station shall maintain a separation distance of at least 500 km from the border(s) of other countries unless shorter distances are explicitly agreed by all involved administrations;

¹ This Recommendation should be brought to the attention of ITU-R Study Group 5.

² The course of action described in this guiding document does not abrogate the responsibility of administrations to meet the mandatory provisions of the Radio Regulations.