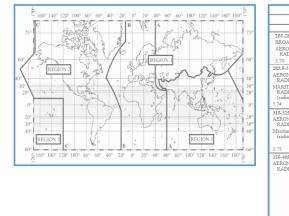


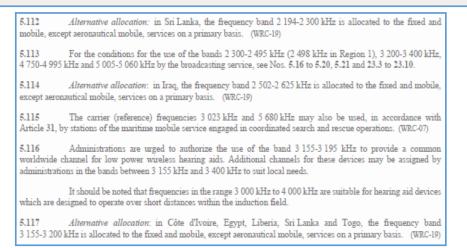
The Article 5 Table of Frequency Allocations (RR5 TFA)

The 2020 ITU Radio Regulations came into force for all signatory parties on 1 January 2021. Article 5 (Frequency Allocations) and its acclaimed Table of Allocations ("RR5 TFA") is the heart of the Radio Regulations -- it establishes the technical requirements for the use of the radio spectrum by all radio services globally. Understanding how the radio spectrum is regulated and develop compliant radio systems, requires first understanding the RR5 TFA.



Allocation to services	
Region 2	Region 3
200-275 AERONAUTICAL RADIONAVIGATION Aeronautical mobile	200-285 AERONAUTICAL RADIONAVIGATION Aeronautical mobile
275-285 AERONAUTICAL RADIONAVIGATION Aeronautical mobile Maritme radionavigation (radiobeacons)	
285-315 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73	
315-325 MARITIME RADIONAVIGATION (radiobeacons) 5.73 Aeronautical radionavigation	315-325 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73
325-335 AERONAUTICAL RADIONAVIGATION Aeronautical mobile Maritme radionavigation (radiobascom) 335-405 AERONAUTICAL RADIONAUTICAL RADIONAUTICN	328-405 AERONAUTICAL RADIONAVIGATION Aeronautical mobile
Aeronautical mobile 405-415 RADIONAVIGATION 5.76 Aeronautical mobile	
	200-275 200-275 200-275 AERONAUTICAL RADIONAVIGATION Aeromatical mobile 2175-285 AERONAUTICAL RADIONAVIGATION Aeromatical mobile Marine redenarception (radiobeccos) 285-315 AERONAUTICAL ADIONAVIGATION AAUTITEE ADIONAVIGATION AAUTITEE ADIONAVIGATION S.73 Aeromatical radionavigation 325-335 AERONAUTICAL RADIONAVIGATION S.464 Restantial RADIONAVIGATION S.76

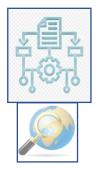
405-415 RADIO



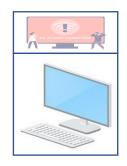
The RR5 TFA has evolved over time to reflect the outcome of the work of the various WRCs on the harmonized, equitable and rational global use of the limited natural resources of the frequency spectrum and satellite orbits and associated Radicommunication services. Taking into account the flexibility provided through "country footnotes", it provides the technical and economical long-term views for introducing and accommodating new technologies and services, while maintaining and protecting existing ones. It is therefore important to follow the evolution of the Table and adapt the national use of these resources accordingly.



What is the RR5 TFA Software? Why is it important?



Given the complexity and the volume of data contained in the Article 5 of the Radio Regulations, the software offers a consolidated view and an easy way to perform various search and queries, as well as some calculations and modelling algorithms. It is a stand-alone application that provides a mechanism to electronically use, query and analyse the RR5 TFA and its associated footnotes, as they appear in the Article 5 of Radio Regulations, as well as some other related texts (Resolutions, ITU-R Recommendations, Rules of Procedure ...).



This software application runs on individual user's PC and requires neither network nor Internet connection. This software, which is limited to the scope and boundaries of the Article 5 of the Radio Regulations, is the perfect complement to the Radio Regulations (2020 Edition) that incorporates the decisions of the 2019 World Radiocommunication Conference.

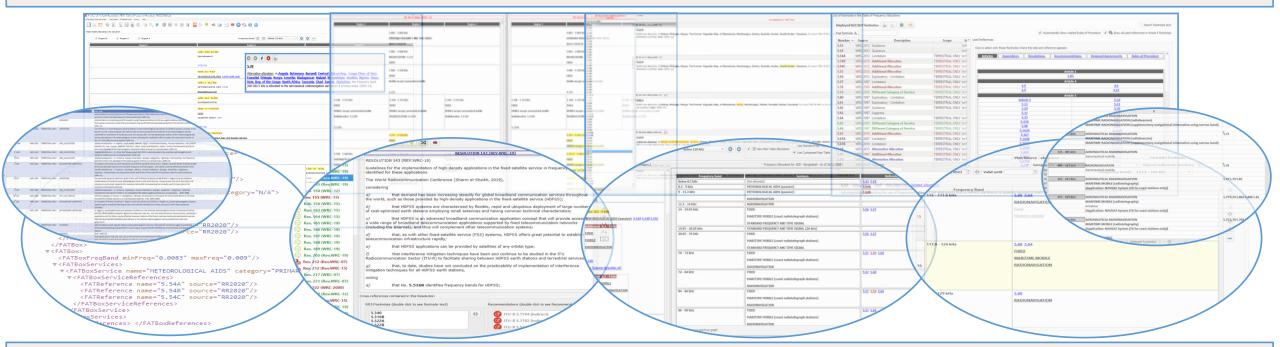


As far as the data model and content are concerned, the RR5 TFA Software will be regularly updated and enhanced after the release of the new edition of the Radio Regulations following each WRC, reflecting the most recently adopted decisions. Further functionalities are planned to be incorporated, mainly introducing direct interfaces with other electronic regulatory publications (such as the RR Navigation Tool). It is also planned to link the software to the Terrestrial and Space BR International Frequency Information Circulars (BR IFICs), which would allow cross-checking with the content of the Master International Frequency Register (MIFR).



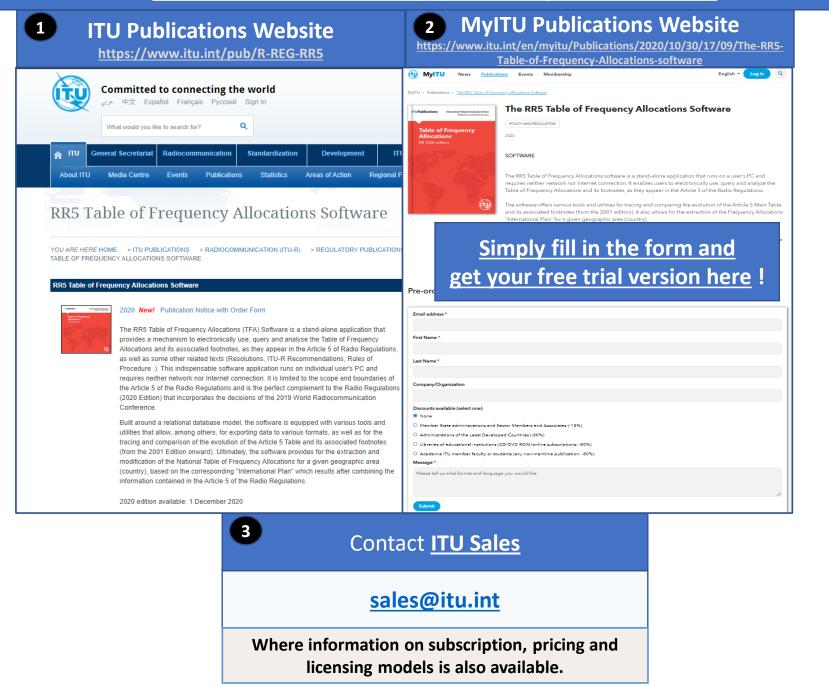
Main Features and Characteristics

Built around a relational database model, the software is equipped with various tools and utilities that allow, among others, for exporting data to various formats, as well as for the tracing and comparison of the evolution of the Article 5 Table and its associated footnotes (from the 2001 edition onward). Ultimately, the software provides for the extraction and modification of the National Table of Frequency Allocations for a given geographic area (country), based on the corresponding "International Plan" which results after combining the information contained in the Article 5 of the Radio Regulations.



In this context, this analysis software package provides a helping and supporting electronic mechanism to check, analyse and investigate the content of the RR5 TFA, thus also contributing to ease the preparatory work for future WRCs.

Where can I find the software? How to get the software?





Package updates – Data and Software

<u>Major releases</u> of the package correspond to the new editions of Radio Regulations. The active major release is **RR 2020 (WRC-19)**. A new license is required for every new major release (usually following the holding of a WRC). The next major release is expected after WRC-23.

Between two major releases (~4 years), the package will be subject to updates concerning both data and software. These will be released freely to subscribers holding licensed packages. These updates may include:

- **Data updates** resulting from new or revised releases of the used texts. This will typically be the case concerning the release/updates of new Rules of Procedure editions after every RRB meeting.
- **Data updates** resulting from reported and fixed bugs concerning mismatches and errors noted between the data the package displays and the official RR5 content in the Radio Regulations.
- **Software updates** corresponding to newly added or enhanced features.
- **Software updates** resulting from reported and fixed bugs.
- New or updated documentation

Notifications will be sent to subscribers holding licensed packages. Please contact <u>Sales@itu.int</u> for more information.



ITU – Radiocommunication Bureau Questions to <u>brmail@itu.int</u> or <u>bachar.abouchanab@itu.int</u>