

# **Guidelines for the submission and notification of frequency assignments and allotments to stations in the fixed, mobile and other terrestrial services (except the broadcasting service in the LF/MF and VHF/UHF bands)**

**(Updated in January 2021)**

## **Introduction**

The purpose of this document is to describe the electronic notices and file formats used for the submission of frequency assignments and allotments to stations in the FXM services, which comprises of fixed, mobile and other terrestrial services, except the broadcasting service in the LF/MF and VHF/UHF bands. The relevant notice types represent the electronic format to be used by administrations for the notification of FXM frequency assignments and allotments.

This document is updated on a regular basis and **replaces the notification instructions contained in BR Circular Letter [CR/118](#) (dated 31 March 1999) and its Addendum 1 (dated 23 April 1999).**

It is recalled that as of 1<sup>st</sup> of January 2009, the submission and notification of notices for terrestrial services to the BR shall be in electronic format only and in conformity with Annex 1 to Appendix 4 of the Radio Regulations and the relevant Regional Agreements.

The submission of electronic notices to the BR should be made through the secured web interface, Submission of Frequency Assignments/Allotments for Terrestrial Services (WISFAT) as indicated in **Circular letter CR/289 dated 24.07.2008**. The interface is available at <http://www.itu.int/ITU-R/go/wisfat/en>

Administrations are invited to participate in BR regional and/or world seminars where the Bureau provides up-to-date and complementary information regarding the application of the radio regulatory and other procedures. Further information on these seminars, as well as any additional information on this subject, is available from the following contacts:

- Seminars/training: Mr. J. Restrepo, phone +41 22 730 5733, email: [brmail@itu.int](mailto:brmail@itu.int)
- Queries concerning the submission and notification of frequency assignments: Mr. B. Ba, phone +41 22 730 5044, e-mail: [brtpr@itu.int](mailto:brtpr@itu.int).
- Specific queries concerning FXM: Mr. K. Bogens, phone +41 22 730 5530, e-mail: [brfmd@itu.int](mailto:brfmd@itu.int).
- Requests for assistance with validation software: Mr. B. Abou Chanab, phone: +41 22 730 5275, e-mail [terrasofthelp@itu.int](mailto:terrasofthelp@itu.int)

# Electronic notice types

## 1. Notice types

The following notice types are used for the submission of frequency assignments and allotments to stations in the fixed, mobile and other terrestrial services, except the broadcasting service in the LF/MF and VHF/UHF bands:

Notice type	Applicable to	Electronic file structure and Item keys
T11	Terrestrial transmitting Station (TX) in the Fixed Service (Appendix 4, Annex 1)	<a href="#">T11 notice file</a>
T12	Terrestrial transmitting Station (TX) (except station in the Fixed, Or LF/MF/VHF/UHF Broadcasting Services, Or Typical Station) (APPENDIX 4, ANNEX 1)	<a href="#">T12 notice file</a>
T13	Terrestrial receiving Land Station (RX) (Appendix 4, Annex 1)	<a href="#">T13 notice file</a>
T14	Terrestrial typical transmitting Station (TP) (Appendix 4, Annex 1)	<a href="#">T14 notice file</a>
T15	Frequency allotment in the Maritime Mobile Service (Appendix 25)	<a href="#">T15 notice file</a>
T16	Terrestrial transmitting Station (TX) (Plan Update Regional Agreement Geneva, 1985, Article 4 of the Agreement)	<a href="#">T16 notice file</a>
T17	Terrestrial Transmitting Station (TX) using Adaptive Systems (Appendix 4, Annex 1)	<a href="#">T17 notice file</a>

There are also notice types G11 – G14, developed by the Bureau to be used only in the context of the Regional Agreement Geneva, 2006. These notice types are described in a separate document “OtherService-GE06Guidlines”.

## 2. Regulatory framework for submission of FXM notices

Submission of a notice to the Radiocommunication Bureau could be made either with a view to update the Master International Frequency Register (MIFR), or in the context of the modification of a terrestrial non-broadcasting Plan or for seeking the agreement of other administrations under Article 9 of the RR. The information to be supplied varies from case to case, depending on the intention, service, frequency band and type of station involved. Necessary details in this respect, concerning the terrestrial services, are included in Annex 1 of Appendix 4 to the RR as well as in the respective Regional Agreements.

The procedure of notification of an assignment for recording it in the MIFR is governed by Article 11 of the RR. This Article, in provisions Nos. 11.2 - 11.8, specifies the conditions when a notification of a transmitting station to the Bureau is necessary (applicable to T11, T12 and T17 notice types). Provisions Nos. 11.9 - 11.11 specify further the conditions for notification of a frequency assignment to a land station for reception from mobile stations (applicable to T13 notice type). Provisions Nos. 11.17 - 11.21B specify the conditions when a typical station may be notified (applicable to T14 notice type). Finally, provisions Nos. 11.13 - 11.14 specify the cases when no notification is required.

Article 11 also describes the timeframe for submission of notices to stations in terrestrial services. The frequency assignment shall be notified normally after it's bringing into use, but it may be

notified also before the bringing into use. If the frequency assignment is notified before, then the relevant notices shall reach the Bureau:

- not earlier than **five years** before the assignment is brought into use, for those assignments that pertain to high altitude platform stations in the fixed service subject to the provisions of Nos. **5.457**, **5.537A**, **5.543A** and **5.552A** (see No. **11.26**; on the notice, these stations have to be identified by the symbol "HP" under item the Nature of Service);
- not earlier than **three years** before the assignment is brought into use, for those assignments that are involved in coordination with a satellite network, i.e., in the bands shared between terrestrial and space services, where the allocation to the space service comprises the space-to-Earth direction (see No. **11.25**) and for those assignments that pertain to high altitude platform stations in the mobile service subject to the provisions of No. **5.388A** (see No. **11.26A**);
- not earlier than **three months** before the assignment is brought into use, for all other cases (see No. **11.24**).

Appendix 4 to the Radio Regulations, in its Annex 1 lists the characteristics of stations in terrestrial services which are required for notification in every case. All mandatory characteristics must be submitted by the notifying administration; otherwise the notice will be declared as incomplete and will be returned to the notifying administration (see No. **11.27**).

A frequency assignment notice could also be sent to the Radiocommunication Bureau for seeking the agreement of other administrations under the coordination procedure of No. **9.21** of the RR. In this case, the notice should contain the characteristics specified in Appendix 4 to the Radio Regulations. Notice types T11, T12 and T13 could be used for seeking agreement under No. **9.21**.

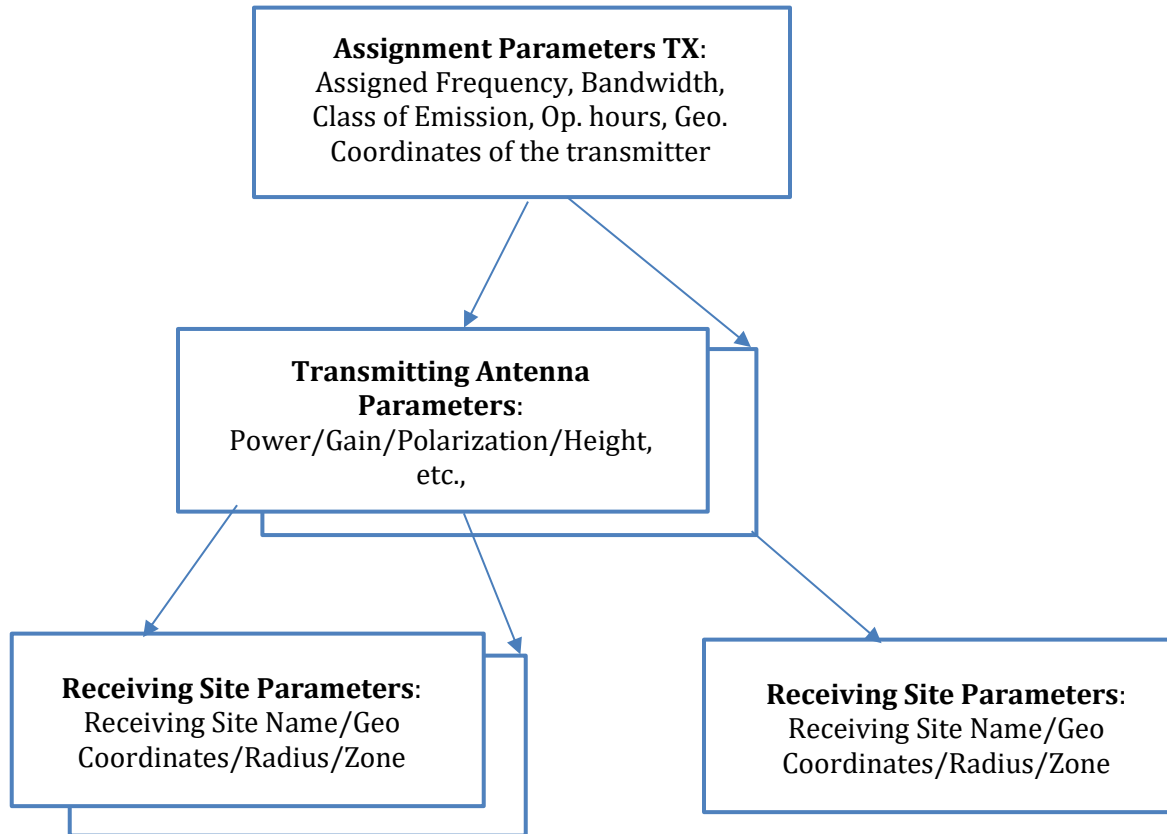
When a notice is submitted for the modification of a terrestrial non-broadcasting Plan, the characteristics to be provided in the notice are specified in the following documents:

- in Appendix 4 of the Radio Regulations – for notice type T15, which is used for the update of frequency allotment plan of Appendix 25 to RR, for coast radiotelephone stations operating in the bands between 4 000 and 27 500 kHz;
- in Regional Agreement Geneva, 1985 (GE85-MM-R1) - for notice type T16, which is used for the update of frequency assignment plan, for stations of the maritime mobile service and the aeronautical radionavigation service in the MF bands in Region 1.

With respect to the Regional Agreement Geneva, 1985 (GE85-EMA), it should be noted that notice type T12 is used for recording the assignment in the MIFR and at the same time it is used for the update of frequency assignment plan for stations of the radionavigation service (radiobeacons) for the European maritime area in the band 283.5 - 315 kHz (GE85-EMA Plan).

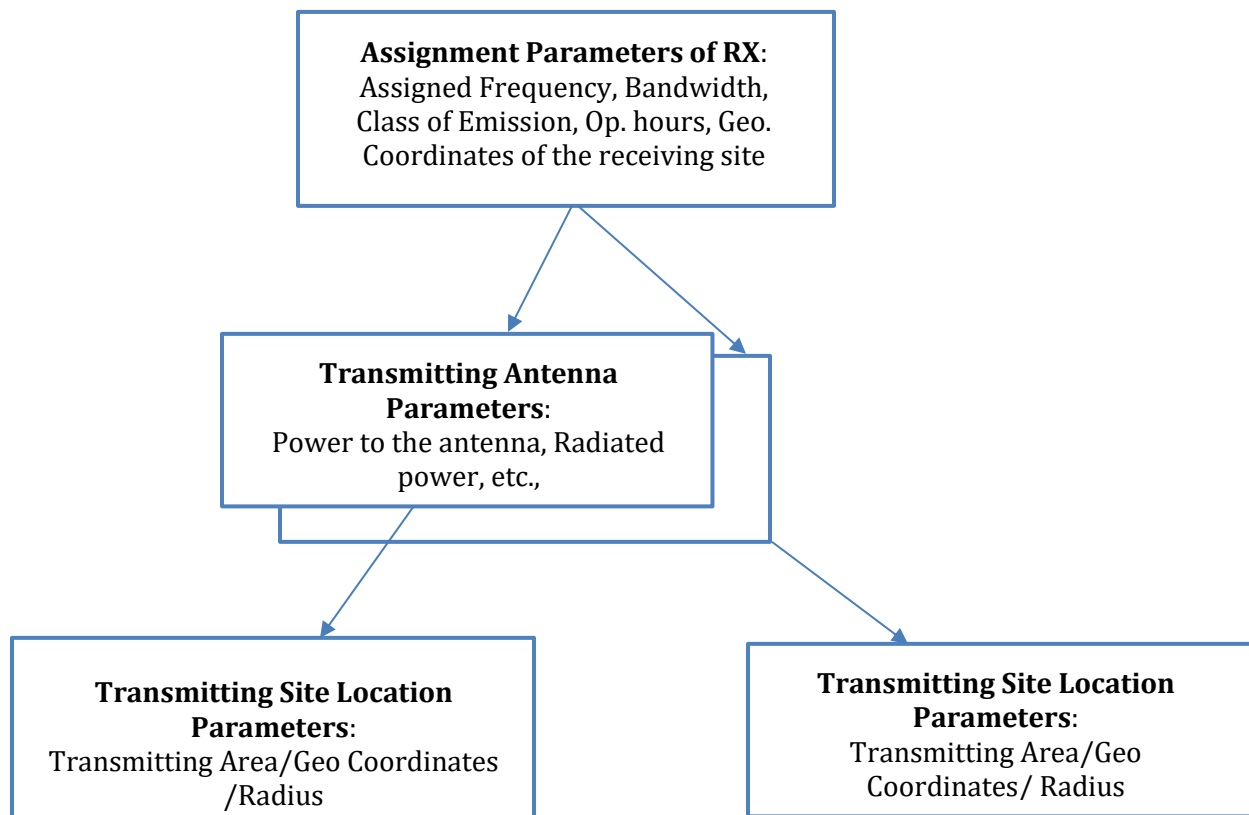
### 3. General structure of FXM notice types

#### 3.1 General structure of Terrestrial Transmitting Stations: T11, T12, T16, T17 notice types



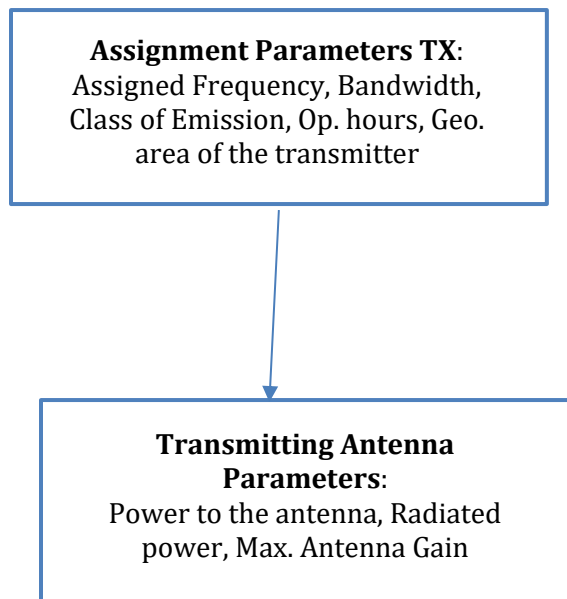
As shown in the above diagram, this notice has two sets of transmitting antenna parameters. The first antenna has two receiving sites and the second antenna has only one receiving site. In fact, there is *no* limit concerning the number of "antennas" for a notice, and *no* limit concerning the number of receiving sites per antenna. It is to note that the precise parameters for the assignment, the antenna, and the receiving site vary according to the notice type. The fields shown above are merely examples.

### 3.2 General structure of Terrestrial Receiving Station: T13 notice type



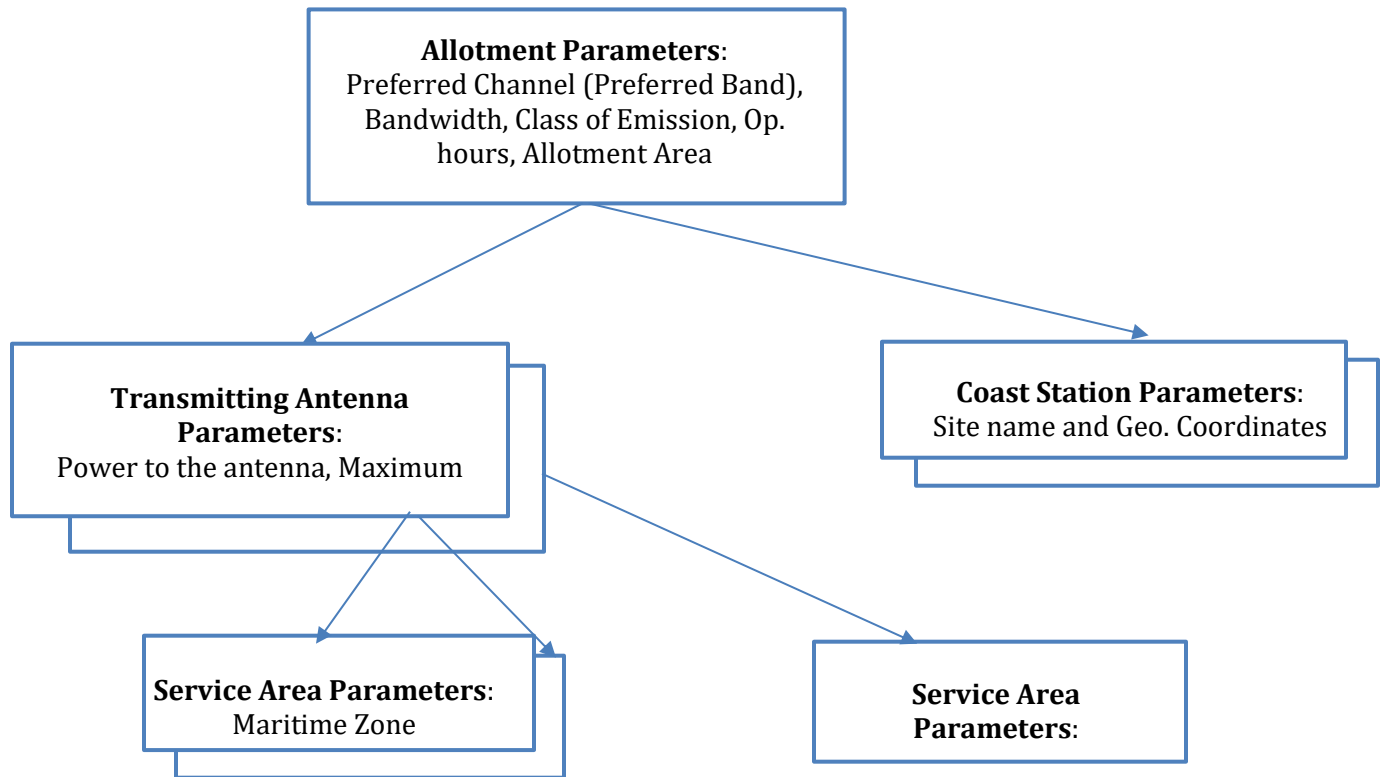
As shown in the above diagram, this notice has the receiving site parameters and two sets of transmitting antenna parameters, with its location. In fact, there is *no* limit concerning the number of transmitting "antennas" for a notice.

### 3.3 General structure of a Typical Terrestrial Station: T14 notice type



It is to be noted, that this structure provides only for a single set of transmitting antenna parameters, in line with the concept of typical station (No. **11.17** of the RR).

### 3.4 General structure for a Frequency Allotment in the Maritime Mobile Services, in the bands governed by RR Appendix 25: T15 notice type



As shown in the above diagram, this notice has two sets of transmitting antenna parameters ("antennas"), one antenna has two service areas and the other has one service area. In fact, there is *no* limit concerning the number of "antennas" for a notice, and *no* limit concerning the number of service areas per antenna. Similarly, as shown in the above diagram, this notice has two intended coast stations (which have to be submitted in the context of request for initial allotments by administrations that have no allotments in the Allotment Plan of Appendix 25); in fact, there is *no* limit concerning the number of intended coast stations.

## 4. Identifying elements for each notice type

The processing of notices requires that each frequency assignment be uniquely identifiable, to apply the required action of a notification. In the case of FXM frequency assignments, it is either identified by:

- the Unique identification code given by the Administration (t\_adm\_ref\_id); or
- the combination of the data items listed here below:

Notice_type(s)	Field description	Field name
T11, T12, T13, T16, T17	<ul style="list-style-type: none"><li>• Assigned Frequency of the Target;</li><li>• Class of Station of the Target;</li><li>• Designation of Emission of the Target;</li><li>• Hours of operation of the Target;</li><li>• Geographical Coordinates of the Target</li></ul>	<ul style="list-style-type: none"><li>• t_trg_freq_assgn</li><li>• t_trg_stn_cls</li><li>• t_trg_emi_cls, t_trg_bdwidth_cde;</li><li>• t_trg_op_hh_fr, t_trg_op_hh_to;</li><li>• t_trg_long; t_trg_lat</li></ul>
T14	<ul style="list-style-type: none"><li>• Assigned Frequency of the Target;</li><li>• Class of Station of the Target;</li><li>• Designation of Emission of the Target;</li><li>• Hours of operation of the Target;</li><li>• Type of Geographical area of the target</li></ul> <p><b>Either with</b></p> <ul style="list-style-type: none"><li>• Geographical Coordinates of the Centre of the Circular Area of the Target;</li></ul> <p><b>or</b></p> <ul style="list-style-type: none"><li>• Geographical Area of the Target or Standard area of the Target</li></ul>	<ul style="list-style-type: none"><li>• t_trg_freq_assgn</li><li>• t_trg_stn_cls</li><li>• t_trg_emi_cls, t_trg_bdwidth_cde;</li><li>• t_trg_op_hh_fr, t_trg_op_hh_to</li><li>• t_trg_geo_type;</li></ul> <p><b>Either with</b></p> <ul style="list-style-type: none"><li>• t_trg_long; t_trg_lat;</li></ul> <p><b>or</b></p> <ul style="list-style-type: none"><li>• t_trg_zone_id</li></ul>
T15	<ul style="list-style-type: none"><li>• Class of Station of the Target;</li><li>• Designation of Emission of the Target;</li><li>• Hours of operation of the Target;</li><li>• Allotment Area of the Target;</li><li>• Channel Number of the Target;</li></ul>	<ul style="list-style-type: none"><li>• t_trg_stn_cls;</li><li>• t_trg_emi_cls, t_trg_bdwidth_cde;</li><li>• t_trg_op_hh_fr, t_trg_op_hh_to;</li><li>• t_trg_zone_id</li><li>• t_trg_chn_no</li></ul>

## 5. Validation

Once an electronic notice file is created, it must be validated before submitting it to the Bureau. It should be noted that TerRaNotices has only a pre-validation option, therefore administrations are strongly recommended to use the online validation tool, provided by the Bureau, before submitting the electronic notice file. The online validation tool is accessible on the ITU website at <http://www.itu.int/ITU-R/terrestrial/OnlineValidation/Login.aspx>, to all users, having an ITU login with TIES services.

## 6. Publication

Once the notices are validated and if they are complete, they will be published in the BR IFIC in the relevant part. A summary of the published notices is available at: <https://www.itu.int/en/ITU-R/terrestrial/brific/Pages/default.aspx>.



## 7. Updates

Date	Item/Change	Reason or Reference
22/10/2020	Item key tables are extracted from the document and they are linked documents	
22/10/2020	Diagrams and identifying elements where corrected	
13/08/2020	t_pwr_ant, t_pwr_dbw for notice types T11 - T14	Specified the conditions when they are mandatory
08/07/2013	In Part 2, provision No. 5.457 is added to include HAPS	
	t_freq_assgn, t_freq_carr and t_trg_freq_assgn for notice types T11 – T14 the lower limit of the frequency range was changed from 0.0090 to 0.0083	To reflect WRC-12 decisions to allow meteorological aids service in 8.3-11.3 kHz (Article 5)
	t_nat_srv the symbol MX is added to T11 for fixed station transmitting meteorological information	
	t_nat_srv the symbol SA is added to T12 for symbol for station using adaptive system.	
	t_hgt_agl for t_nat_srv = HP for T11 is added to be between 20 000 – 50 000	
	t_hgt_agl for t_nat_srv = HP for T12 for class of station = FB and the assign frequency falls within frequency bands covered by Res 221, the acceptable value is between 20 000 and 50 000	
	t_call_sign/t_station_id for T12 and class of station is LR and if the frequency band falls within 3-44 MHz, only one of the items shall be notified	To reflect WRC-12 decision mandating call sign or station ID to radiolocation service in 3-44 MHz. (Res. 612)
	t_in_accord_with_ITU_purposes is added to T12	To reflect WRC-12 decision to mandate aeronautical mobile service in 5 030-5 091 MHz to accord with ITU_purposes. (Appendix 4 Table 1 Item identifier 11F)