FXM Submission guidelines
(Updated on 3.12.2010)

Consolidated information concerning the use of electronic file formats 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)

Introduction

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

1.2 The document is published on the ITU Website http://www.itu.int/ITU-R/go/terrestrial-notice-forms and updated on a regular basis. It is based on Circular letter CR/118 (dated 31 March 1999) and its Addendum 1 (dated 23 April 1999).

1.3 The FXM submission guidelines consist of three parts. *Part 1* includes a general description of the relevant electronic notice types T11 to T17, its structure and the electronic file formats. *Part 2* contains detailed rules in a tabular form on the preparation of notice types T11 to T17. *Part 3* provides examples of correctly prepared electronic notices and sample files.

1.4 It is recalled that as from 1 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, edition 2008 and the relevant Regional Agreements. The submission of electronic notices to the BR should be made through ITU-R WISAT submission system as indicated in Circular letter CR/289 of 24.07.2008. Information on ITU-R WISAT submission system is available at http://www.itu.int/ITU-R/go/wisfat.

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

- Seminars/training: Mr. F. Leite, phone +41 22 730 5940, fax: +41 22 730 5785, email: brmail@itu.int;
- Queries concerning the submission and notification of frequency assignments via ITU-R WISFAT: Mr. A. Mendez, phone +41 22 730 5574, fax +41 22 730 5785, e-mail: brtpr@itu.int.
- Specific queries concerning the FXM portion of TerRaSys: Mr. N. Vassiliev, phone +41 22 730 5530, fax +41 22 730 5785, e-mail: brfmd@itu.int.
- Requests for help with TerRaSys validation software: Mr. B. Abou Chanab, phone: +41 22 730 5275, fax: +41 22 730 5785, e-mail terrasofthelp@itu.int .

PART 1

Electronic notice types applicable to the fixed, mobile and other terrestrial services, except the broadcasting service in the LF/MF and VHF/UHF bands

1. Notice types

1.1 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
T11	TERRESTRIAL TRANSMITTING STATION (TX) IN THE FIXED SERVICE (APPENDIX 4, ANNEX 1)
T12	TERRESTRIAL TRANSMITTING STATION (TX) (Except station in the fixed, or LF/MF/VHF/UHF broadcasting services, or typical station) (APPENDIX 4, ANNEX 1)
T13	TERRESTRIAL RECEIVING LAND STATION (RX) (APPENDIX 4, ANNEX 1)
T14	TERRESTRIAL TYPICAL TRANSMITTING STATION (TP) (APPENDIX 4, ANNEX 1)
T15	FREQUENCY ALLOTMENT IN THE MARITIME MOBILE SERVICE (APPENDIX 25)
T16	TERRESTRIAL TRANSMITTING STATION (TX) (Plan update Regional Agreement Geneva, 1985, Article 4 of the Agreement)
T17	TERRESTRIAL TRANSMITTING STATION (TX) USING ADAPTIVE SYSTEMS (APPENDIX 4, ANNEX 1)

1.2 There also exist notice types G11 – G14, developed by the Bureau for the use only in the context of the Regional Agreement Geneva, 2006. These notice types are described in a separate document "OS-Guide" available at the same ITU Website: http://www.itu.int/ITU-R/go/terrestrial-notice-forms.

2. Regulatory framework for submission of FXM notices

2.1 Submission of a notice to the Radiocommunication Bureau could be made either with a view to updating 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 and on the particular 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.

2.2 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.

2.3 Article 11 also describes the time-frame for submission of notices to stations in terrestrial services. The frequency assignment shall be notified normally after its bringing into use, but it may be notified also before the bringing into use. If the frequency assignment is notified before its bringing into use, 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. 5.537A, 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).

2.4 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 particular case. All mandatory characteristics have to be submitted by the notifying administration; otherwise the notice will be declared incomplete and will be returned to the notifying administration (see No. 11.27).

2.5 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.

2.6 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.

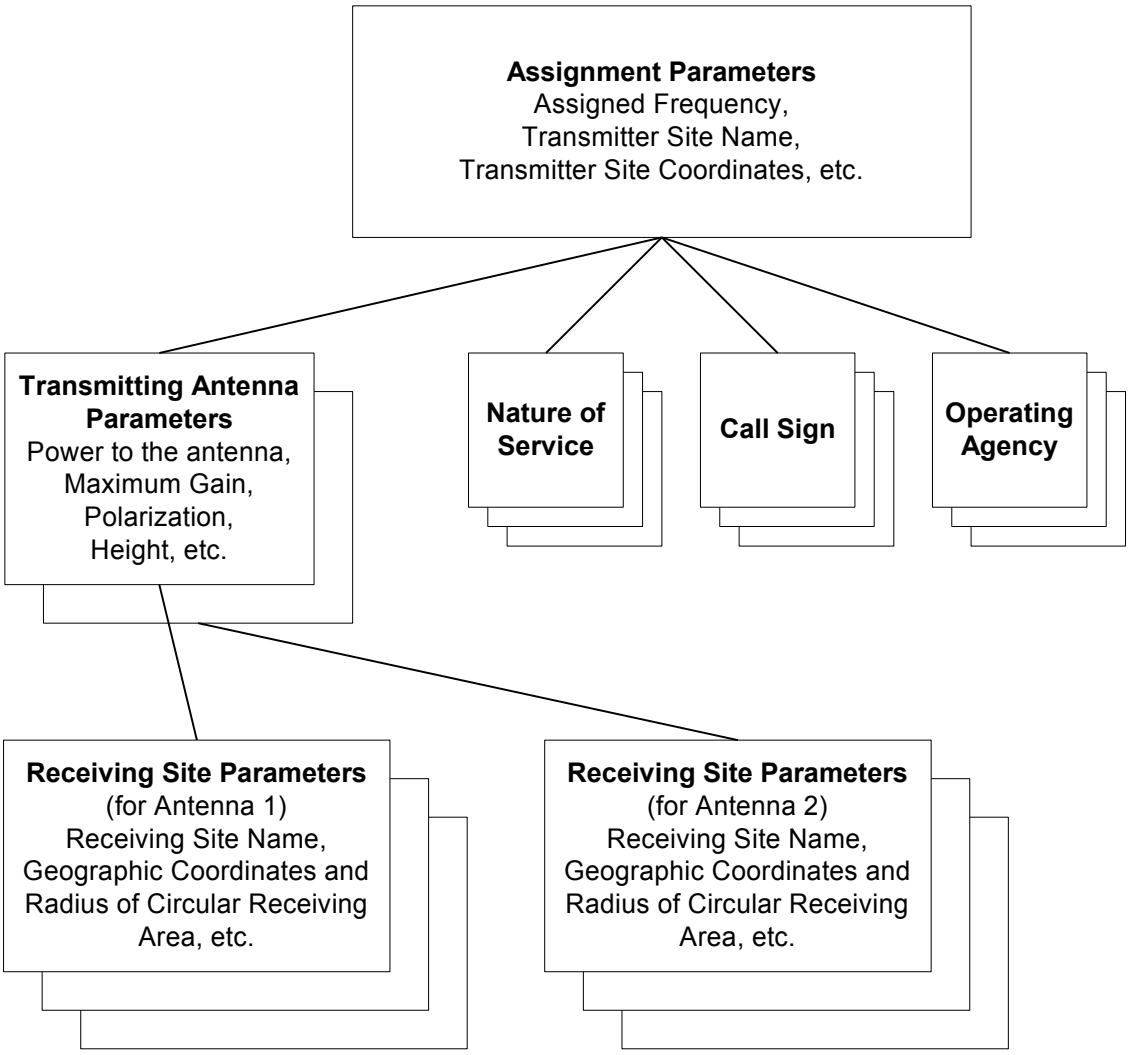
With respect to in Regional Agreement Geneva, 1985 (GE85-EMA), it should be noted that notice T12 is used for recording of the assignment in the MIFR and at the same time it is used for the update of frequency assignment plan for stations of the radionavigation service (radiobeacons) for the European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

2.7 Detailed description of the data fields, which appear in these notice types T11 – T17, is given in Part 2 of this Document.

3. General structure of FXM notices

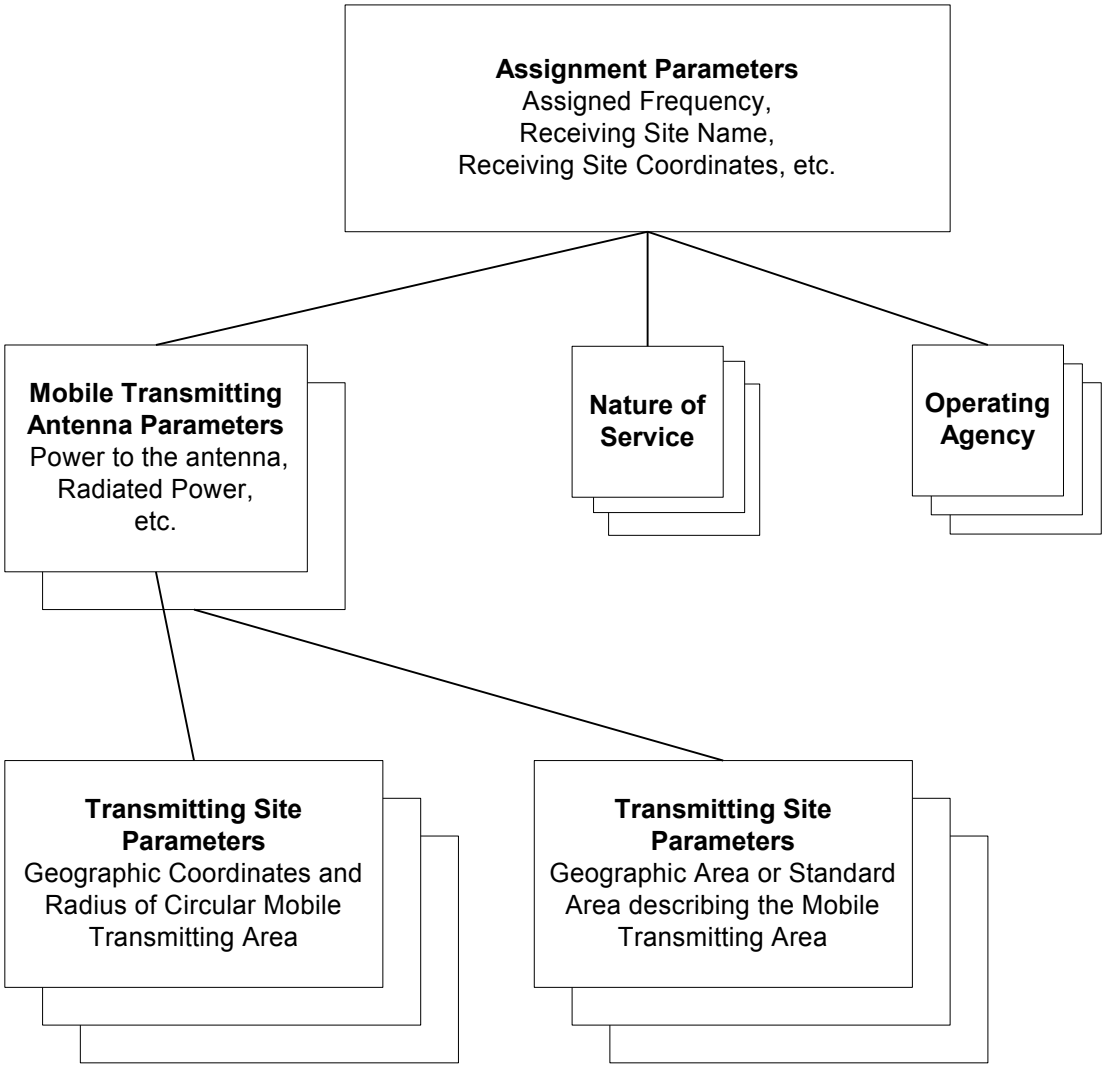
3.1 General structure of the FXM notice types is described below.

3.1.1 For Notice Types T11, T12, T16 and T17 (terrestrial transmitting stations), the general structure is as follows:



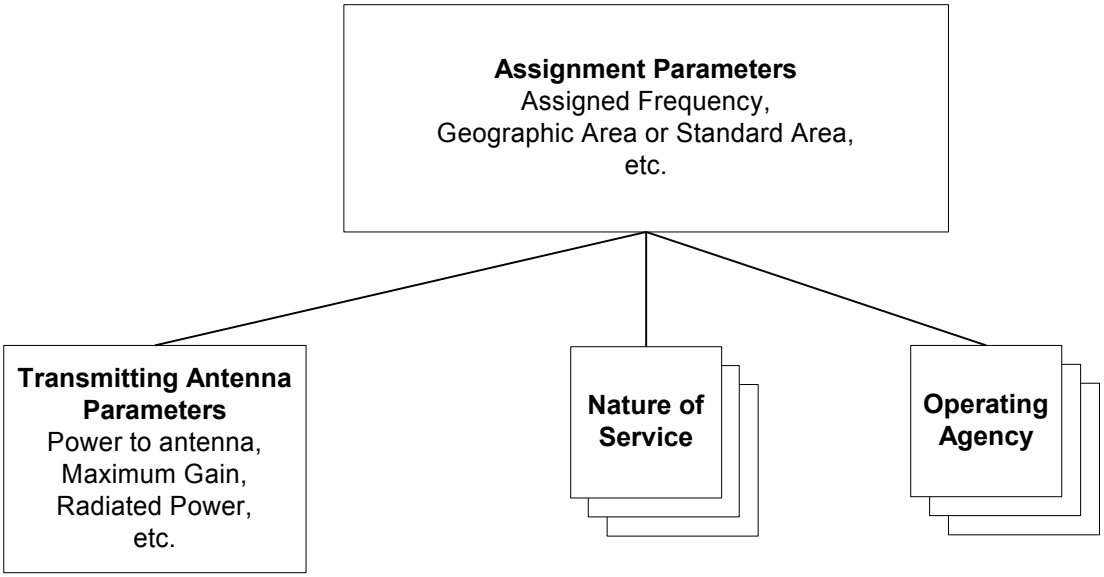
As shown in the above diagram, this notice has two sets of transmitting antenna parameters ("antennas"), each with its own set of three receiving sites. In fact, there is *no* limit concerning the number of "antennas" for one notice, and *no* limit concerning the number of receiving sites per antenna. Note, however, 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.

3.1.2 For Notice Type T13 (terrestrial receiving stations), the general structure is:



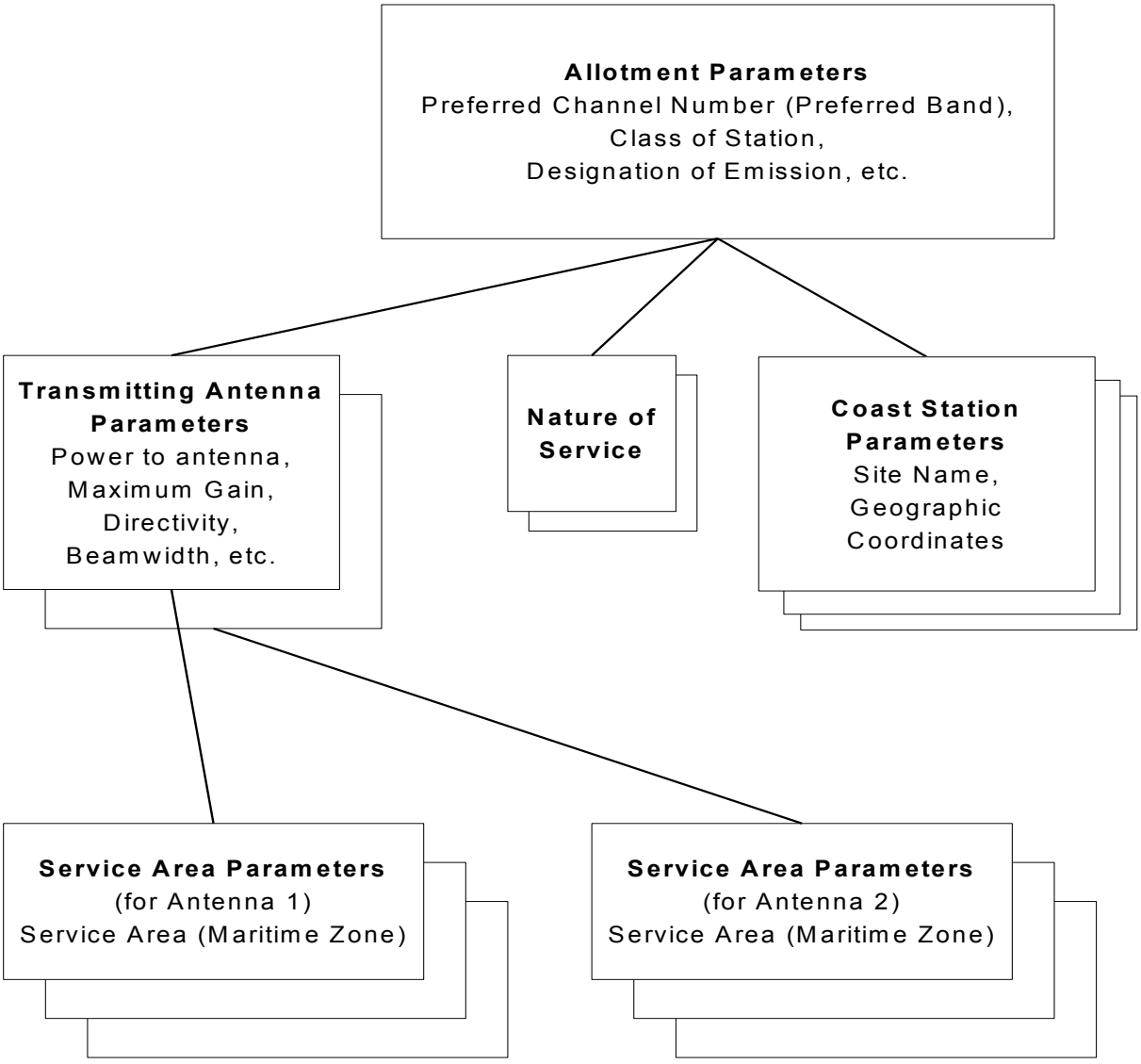
As shown in the above diagram, this notice has two sets of transmitting antenna parameters ("antennas"), each with its own set of three transmitting sites. In fact, there is *no* limit concerning the number of "antennas" for one notice, and *no* limit concerning the number of transmitting sites per antenna.

3.1.3 For Notice Type T14 (typical terrestrial station), the general structure is:



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).

3.1.4 For Notice Type T15 (frequency allotment in the maritime mobile services, in the bands governed by RR Appendix **25**), the general structure is:



As shown in the above diagram, this notice has two sets of transmitting antenna parameters ("antennas"), each with its own set of three service areas. In fact, there is *no* limit concerning the number of "antennas" for one notice, and *no* limit concerning the number of service areas per antenna. Similarly, as shown in the above diagram, this notice has three 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.

3.2 File structure to be used for electronic notices T11 to T17 was described in Annex 3 to Circular letter CR/118 (dated 31 March 1999). This Circular letter can be found at the address http://www.itu.int/md/R00-CR-CIR/en, and it is not reproduced in this Document.

Part 2

Description of the data items to be submitted and validation rules

1.1 The tables in this Part 3 contain the description of the data items to be submitted in T11 to T17 electronic notices. The following symbols are used in the tables:

X	data item mandatory for submission
O	data item optional for submission
+	data item mandatory for submission under the conditions specified
C	mandatory if used as a basis to effect coordination with another administration

1.2 When a notice is submitted for modification or suppression of a recorded assignment or allotment or for a withdrawal of a notice, the following identifying data items have to be submitted, depending on the type of notice:

a) Previously recorded Administration Unique Identifier, **or**

b) the combination of data items listed in the table below:

Description of a data item	Electronic notice	Notice Types
Assigned frequency of the target	t_trg_freq_assign	T11, T12, T13, T14, T16, T17
Channel number of the target (to modify a *recorded* allotment)	t_trg_chn_no or	T15[Note]
Class of station of the target	t_trg_stn_cls	All
Emission class of the target	t_trg_emi_cls	All
Bandwidth of the target	t_trg_bdwth_cde	All
Hours of operation of the target	t_trg_op_hh_fr; t_trg_op_hh_to.	All
• Coordinates of the target • Coordinates of the centre of the circular area	t_trg_long; t_trg_lat	• T11, T12, T13, T16, T17 • T14
• Geographic area, or standard area to which the typical station is applicable. • Allotment area of the target	t_trg_geo_type and t_trg_zone_id	• T14 • T15

Note: for amendment or withdrawal of a T15 *pending* notice (which is not yet recorded in the AP25 plan), the Administration Unique Identifier of the target shall be submitted in all cases. The use of a set of identifying elements is not permitted for modification of a T15 pending notice.

Table 1

T11 – Electronic file format for submission of an assignment to a terrestrial transmitting station in the fixed service

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<HEAD>	X	<HEAD>	Beginning of the HEAD section containing general data elements related to all notices.
t_char_set = ISO-8859-1	O	ISO-8859-1	The character set used in the file (NB: Only the ISO-8859-1 character set is permitted).
t_d_sent	O	YYYY-MM-DD	The date of sending the notice.
t_adm = F	X	ITU symbols for administrations, up to 3 characters	ITU symbol designating the administration responsible for submission.
t_email_addr	O	unlimited	The electronic mail address.
</HEAD>	X	</HEAD>	End of the HEAD section.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section containing data elements related to the first notice.
t_notice_type = T11	X	T11	The type of notice. T11 notice is not receivable in the GE06 planning area and bands (G11 notice shall be used instead).
t_d_adm_ntc = 2010-11-20	O	YYYY-MM-DD	The date that the administration gives to this notice. This may be different than t_d_sent in the HEAD section.
t_fragment = NTFD_RR	X	NTFD_RR or Req_agrt	NTFD_RR if assignment is notified for recording in the MIFR. Req_agrt if assignment is submitted for the application of coordination procedure of No. 9.21.
t_prov = RR11.2	X	RR11.2 or RR9.21	Provision of the Radio Regulations under which this notice is submitted. Allowed values are RR11.2 if the assignment is notified for recording in the MIFR; RR9.21 if assignment is submitted for the application of coordination procedure of No. 9.21.
t_action = ADD	X	ADD, MODIFY, SUPPRESS, WITHDRAW	The action to be taken regarding this notice.
t_adm_ref_id = F/FX/3241	O	20 characters max	Unique identifier of the assignment given by the administration.
t_freq_assgn = 12933	X	Numeric value, max. 8 characters	Assigned frequency (MHz). Mandatory for actions ADD and MODIFY. Allowed range is from 0.009 to 275000. T11 notice is not receivable in the GE06 planning area and bands (G11 notice shall be used instead).

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_freq_carr = 12933	+	Numeric value, max. 8 characters	Reference (carrier) frequency (MHz). Mandatory for actions ADD and MODIFY if the reference frequency is different from the centre of the assigned frequency band (if the first symbol in the class of emission is C, H, J or R). Allowed range is from 0.009 to 275000
t_d_inuse = 2010-09-20	X	YYYY-MM-DD	Date (actual or foreseen, as appropriate) of bringing the frequency assignment into use. Mandatory for actions ADD and MODIFY. The notices shall reach the Bureau not earlier than a certain period of time before that date. This period of time is specified in No. 11.24 – 11.26A of the RR. Assignments can be notified after bringing into use without limitations.
t_call_sign = FAD3	+	7 characters max	Call sign used in accordance with Article 19 of the RR. Mandatory in the bands below 28 MHz, if t_station_id is not provided. In other bands the field is optional. Multiple t_call_sign keys are possible.
t_station_id = RRL0029	+	20 characters max	Station identification. The information transmitted by the radio station to aid identification of the source of its emission. Mandatory in the bands below 28 MHz, if t_call_sign is not provided. In other bands the field is optional.
t_site_name = BANDOL	X	30 characters max	The name of the site where the transmitting antenna is located. Mandatory for actions ADD and MODIFY. For site names it is recommended to use upper-case letters A to Z and digits from 0 to 9 and space.
t_ctry = F	X	ITU symbol for the geographical area, up to 3 characters	ITU symbol designating the geographical area where the transmitting antenna is located. Mandatory for actions ADD and MODIFY.
t_long = +0054513	X	±DDDMMSS -1800000 to +1800000	The longitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY.
t_lat = +430851	X	±DDMMSS -900000 to +900000	The latitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY.
t_is_resub = TRUE	+	TRUE or FALSE	Indicator showing that the assignment is resubmitted after its return in accordance with the provisions of Nos. 11.41 or 11.43 or 11.43D of the RR. Resubmissions can be made only in the bands shared between terrestrial and space services with equal rights and allocated to space services in space-to-Earth direction of transmission. Resubmissions can be made only during 6 months from the date of the return of the original notice. Resubmitted notice must have the reference to the original notice by indication of either the BR identification number or the Unique identifier of the assignment given by the administration in field t_rmk.
t_stn_cls = FX	X	FX	The class of station from Section 6 of Chapter 4 of the Preface. Only symbol FX is allowed.
t_nat_srv = CO	X	2 characters	The two character code for the nature of service. Mandatory for actions ADD and MODIFY. Allowed values are AX, CO, CP, CR, CV, HP, OT, PX, ST. Multiple t_nat_srv keys are possible.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_emi_cls = G7WET	X	Up to 5 characters	The class of emission according to Appendix 1 to the Radio Regulations. The first three characters are mandatory for actions ADD and MODIFY. The last two characters are optional.
t_bdwdth_cde = 28M0	X	4 characters	The four-character code for the necessary bandwidth. Mandatory for actions ADD and MODIFY.
t_op_hh_fr = 0000	X	0000 – 2359	The starting time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_hh_to = 2400	X	0001 – 2400	The ending time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_site_alt = 155	+	-1000 to +8850 metres	The altitude (metres) of the site above mean sea level. Mandatory for actions ADD and MODIFY if the assignment is notified in the bands shared between terrestrial and space services with equal rights.
t_op_agcy = 002	O	Section 3 of Chapter IV of the Preface, 3 characters	The symbol for the operating agency. Multiple t_op_agcy keys are possible.
t_addr_code = A	X	Section 3 of Chapter IV of the Preface, 2 characters	The symbol for the address of the administration responsible for the station.
t_remarks	O	80 characters	Any comment intended to assist the Bureau in processing the notice.
t_freq_dev	C	Numeric value From 0 to 15	The peak to peak frequency deviation (MHz). To be submitted for actions ADD and MODIFY, if used as a basis to effect coordination with another administration.
t_energy_dsp	C	Numeric value From 0 to 100	The sweep frequency of the energy dispersal waveform (kHz). To be submitted in the case of be submitted for actions ADD and MODIFY, if used as a basis to effect coordination with another administration.
t_trg_adm_ref_id = F/FXM/00599	+	20 characters max	The Administration's unique identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if the set of other identifying fields (t_trg_freq_assgn, t_trg_long, t_trg_lat, t_trg_stn_cls, t_trg_emi_cls, t_trg_bdwdth_cde, t_trg_op_hh_fr and t_trg_op_hh_to) is not notified.
t_trg_freq_assgn = 12930	+	Numeric value	The assigned frequency (MHz) of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. Allowed range is from 0.009 to 275000
t_trg_long = +0054513	+	±DDDMMSS -1800000 to +1800000	The longitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_lat = +430851	+	±DDMMSS -900000 to +900000	The latitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_trg_stn_cls = FX	+	FX	The class of station of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_emi_cls = F7EWX	+	5 characters	The class of emission of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_bdwdth_cde = 20M5	+	4 characters	The four-character code for the necessary bandwidth of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_fr = 0000	+	0000 – 2359	The starting time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_to = 2400	+	0001 – 2400	The ending time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
<ANTENNA>	X	<ANTENNA>	Beginning of ANTENNA sub-section containing antenna information. There could be several ANTENNA sub-sections for 1 notice.
t_pwr_xyz = Y	X	X or Y or Z	The type of power according to Nos. RR 1.156 – 1.159. Mandatory for actions ADD and MODIFY.
t_pwr_ant = -5	+	Numeric, with + or – sign and 1 decimal, 5 characters	The power to the antenna (dBW). Mandatory for actions ADD and MODIFY: (a) in the bands below 28 MHz. (b) in the bands listed in Table 21-2 of RR Article 2, (c) in all other cases if the radiated power is not notified.
t_pwr_dbw = 30	+	Numeric, with + or – sign and 1 decimal, 5 characters max	The radiated power (dBW). Mandatory for actions ADD and MODIFY if the power to antenna or the maximum antenna gain are not notified.
t_pwr_eiv = E	+	1 character, E or I or V	The type of radiated power in one of the forms described in Nos. 1.161 – 1.163 of the RR. The possible values are E (e.r.p), I (e.i.r.p) and V (e.m.r.p). Mandatory for actions ADD and MODIFY if the radiated power is notified
t_pwr_dens = -120	C	Numeric, with + or – sign and 1 decimal, 6 characters max	The maximum power density (dB(W/Hz)) averaged over the worst 4 kHz band and calculated for the maximum effected radiated power. Mandatory for actions ADD and MODIFY for notification under Article 5. Value should be between -200 and + 30. Required when it is used as a basis to effect coordination with another administration.
t_ant_dir = D	X	D or ND	Indicates whether the antenna is directional (D) or non-directional (ND). Mandatory for actions ADD and MODIFY.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_azm_max_e = 65	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the azimuth (degrees from True North) of maximum radiation. Mandatory for actions ADD and MODIFY if the antenna is directional and the azimuthal sector for rotatable antenna is not provided. Value should be between 0 and 359.9.
t_bmwdth = 4	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the beamwidth (degrees). Mandatory for actions ADD and MODIFY if the antenna is directional, except the case when the azimuthal sector for rotatable antenna is provided and it is equal to 0 – 360. Value should be between 0 and 360 inclusive.
t_gain_max = 35	+	Numeric, with 1 decimal 5 characters max	The maximum antenna gain (dB). Mandatory for actions ADD and MODIFY if the antenna is directional. For non-directional antenna, this data item is mandatory if the radiated power is not notified.
t_gain_type	+	I or D	The type of antenna gain relative to isotropic antenna "I" in the bands shared between terrestrial and space services with equal rights or relative to half-wave dipole "D" in all other bands. Mandatory if the maximum antenna gain is provided.
t_polar = H	+	2 characters max	The polarization. Allowed symbols are H, V, SR, SL, CR, CL, D, L and M. Mandatory for actions ADD and MODIFY if the assignment is notified in the bands shared between terrestrial and space services with equal rights.
elev	+	Numeric, with 1 decimal 4 characters max,	The elevation angle of maximum directivity. Mandatory for actions ADD and MODIFY if the assignment is notified in the bands shared between terrestrial and space services with equal rights. Value should be between -90 and +90.
t_hgt_agl = 30	+	Integer, with + or – sign, 4 characters max	Height of transmitting antenna above ground level (meters). Mandatory for actions ADD and MODIFY if the assignment is notified in the bands shared between terrestrial and space services with equal rights. Value should be between -100 and +500.
t_dist_max	O	Numeric, 8 characters max	Maximum length of the circuit (km) for non-circular receiving areas. For HF bands only.
<ROTATIONAL>	+	<ROTATIONAL>	Beginning of ROTATIONAL sub-sub-section. This sub-sub-section is provided for actions ADD and MODIFY if the antenna described in an **ANTENNA** sub-section has rotating or swept beam.
t_azm_fr = 20	+	Numeric, with 1 decimal, between 0 and 359.9 5 characters max	The starting azimuth (degrees from True North) for this azimuthal sector.
t_azm_to = 210	+	Numeric, with 1 decimal between 0.1 and 360 5 characters max	The ending azimuth (degrees from True North) for this azimuthal sector.
</ROTATIONAL>	+	</ROTATIONAL>	End of ROTATIONAL sub-sub-section.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<RX_STATION>	X	<RX_STATION>	Beginning of RX_STATION sub-sub-section. There may be several RX_STATION sub-sub-sections in ANTENNA sub-section.
t_geo_type = POINT	X	POINT or MULTIPOINT, 12 characters max	The type of geographic area describing the location of the receiving stations. The possible values are **POINT** when each of the receiving stations has a specified location, and **MULTIPOINT** when a number of receiving stations are located in an area described by a series of minimum 3 points.
t_site_name = CASSIS	+	30 characters max	Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT.** Not provided when **t_geo_type** is equal to **MULTIPOINT.** The name of the location of the receiving station(s). For site names it is recommended to use upper-case letters A to Z and digits from 0 to 9 and space.
t_ctry = F	+	ITU symbols of geographical area up to 3 characters	Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT**. Not provided when **t_geo_type** is equal to **MULTIPOINT.** ITU symbol designating the geographical area where the receiving station is located.
t_long = +0053340	+	±DDDMMSS -1800000 to +1800000	Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT**. Not provided when **t_geo_type** is equal to **MULTIPOINT.** The longitude of the site of the receiving station.
t_lat = +431237	+	±DDMMSS -900000 to +900000	Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT**. Not provided when **t_geo_type** is equal to **MULTIPOINT.** The latitude of the site of the receiving station.
t_noise_temp	C	Integer From 20 to 6000	Receiving noise temperature (K). To be submitted for actions ADD and MODIFY, if used as a basis to effect coordination with another administration.
<POINT>	+	<POINT>	Beginning of POINT sub-sub-sub-section describing the area of the location of receiving fixed stations. This sub-sub-sub-section is provided only when **t_geo_type** is equal to **MULTIPOINT**. **The area should be described by minimum 3 sets of geographical coordinates, so minimum 3 POINT sub-sub-sub-sections shall be present**.
t_long = +0050630	+	±DDDMMSS -1800000 to +1800000	Mandatory when **t_geo_type** is equal to **MULTIPOINT**. Not provided when **t_geo_type** is equal to **POINT.** The longitude of a point, which together with other points provided in this sub-sub-sub-section, describes the area of the location of receiving fixed stations.
t_lat = +430000	+	±DDMMSS -900000 to +900000	Mandatory when **t_geo_type** is equal to **MULTIPOINT**. Not provided when **t_geo_type** is equal to **POINT.** The latitude of a point, which together with other points provided in this sub-sub-sub-section, describes the area of the location of receiving fixed stations.
</POINT>	+	</POINT>	End of POINT sub-sub-sub-section.
</RX_STATION>	X	</RX_STATION>	End of RX_STATION sub-sub-section.
</ANTENNA>	X	</ANTENNA>	End of ANTENNA sub-section.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<COORD >	+	<COORD>	Beginning of COORD sub-section if coordination has been successfully completed with one or more administrations
t_adm = SUI t_adm = I	+	ITU symbol up to 3 characters	ITU symbols designating the administrations with which coordination has been successfully completed. Required for actions ADD and MODIFY, if coordination is necessary and successfully completed.
</COORD>	+	</COORD>	End of COORD sub-section.
</NOTICE>	X	<NOTICE>	End of NOTICE section for the first notice.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section for the second notice.
</NOTICE>	X	</NOTICE>	End of NOTICE section for the second notice.
<TAIL>	X	<TAIL>	Beginning of TAIL section indicating the total number of notices in the notification file.
t_num_notices = 2		Integer	The number of notices contained in the file.
</TAIL>		</TAIL>	End of TAIL section. End of the notification file.

Table 2

T12 – Electronic file format for submission of an assignment to a terrestrial transmitting station (Except station in the fixed, or LF/MF/VHF/UHF broadcasting services, or typical station)

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<HEAD>	X	<HEAD>	Beginning of the HEAD section containing general data elements related to all notices.
t_char_set = ISO-8859-1	O	ISO-8859-1	The character set used in the file (NB: Only the ISO-8859-1 character set is permitted).
t_d_sent	O	YYYY-MM-DD	The date of sending the notice.
t_adm = IRN	X	ITU symbols for administrations, up to 3 characters	ITU symbol designating the administration responsible for submission.
t_email_addr =	O	unlimited	The electronic mail address.
</HEAD>	X	</HEAD>	End of the HEAD section.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section containing data elements related to the first notice.
t_notice_type = T12	X	T12	The type of notice. T12 notice is not receivable in the GE06 planning area and bands (G12 notice shall be used instead).
t_d_adm_ntc = 2010-11-21	O	YYYY-MM-DD	The date that the administration gives to this notice. This may be different than t_d_sent in the HEAD section.
t_fragment = NTFD_RR	X	NTFD_RR or Req_agrt or GE85N	NTFD_RR if assignment is notified for recording in the MIFR. Req_agrt if assignment is submitted for the application of coordination procedure of No. 9.21. GE85N if the notice is submitted for SUPPRESSION of a GE85N Plan assignment.
t_prov = RR11.2	X	RR11.2 or RR9.21 or GE85N	Provision of the Radio Regulations under which this notice is submitted. Allowed values are: RR11.2 if the assignment is notified for recording in the MIFR; RR9.21 if assignment is submitted for the application of coordination procedure of No. 9.21; GE85N if the notice is submitted for SUPPRESSION of a GE85N Plan assignment.
t_action = ADD	X	ADD, MODIFY, SUPPRESS, WITHDRAW	The action to be taken regarding this notice.
t_adm_ref_id = VT881014FB001	O	20 characters max	Unique identifier of the assignment given by the administration.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_freq_assgn = 151.75	X	Numeric value, max. 8 characters	Assigned frequency (MHz). Mandatory for actions ADD and MODIFY. Allowed range is from 0.009 to 275000. T12 notice is not receivable in the GE06 planning area and bands (G12 notice shall be used instead).
t_freq_carr = 151.75	+	Numeric value, max. 8 characters	Reference (carrier) frequency (MHz). Mandatory for actions ADD and MODIFY if the reference frequency is different from the centre of the assigned frequency band (if the first symbol in the class of emission is C, H, J or R). Allowed range is from 0.009 to 275000
t_d_inuse = 2010-12-20	X	YYYY-MM-DD	Date (actual or foreseen, as appropriate) of bringing the frequency assignment into use. Mandatory for actions ADD and MODIFY. The notices shall reach the Bureau not earlier than a certain period of time before that date. This period of time is specified in No. 11.24, 11.25 and 11.26A of the RR. Assignments can be notified after bringing into use without limitations.
t_call_sign	+	7 characters max	Call sign used in accordance with Article 19 of the RR. Mandatory for all classes of station allowed for T12 notice type, except BC, AL, LR, NL and RN, if t_station_id is not provided. Multiple t_call_sign keys are possible.
t_station_id = MS0002	+	20 characters max	Station identification. The information transmitted by the radio station to aid identification of the source of its emission. Mandatory for all classes of station allowed for T12 notice type, except BC, AL, LR, NL and RN, if t_call_sign is not provided. In other bands the field is optional.
t_site_name = ISFAHAN	X	30 characters max	The name of the site where the transmitting antenna is located. Mandatory for actions ADD and MODIFY. For site names it is recommended to use upper-case letters A to Z and digits from 0 to 9 and space.
t_ctry = IRN	X	ITU symbol for the geographical area, up to 3 characters	ITU symbol designating the geographical area where the transmitting antenna is located. Mandatory for actions ADD and MODIFY.
t_long = +0514100	X	±DDDMMSS -1800000 to +1800000	The longitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY.
t_lat = +335250	X	±DDMMSS -900000 to +900000	The latitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY.
t_is_resub = FALSE	+	TRUE or FALSE	Indicator showing that the assignment is resubmitted after its return in accordance with the provisions of Nos. 11.41 or 11.43 or 11.43D of the RR. Resubmissions can be made only in the bands shared between terrestrial and space services with equal rights and allocated to space services in space-to-Earth direction of transmission. Resubmissions can be made only during 6 months from the date of the return of the original notice. Resubmitted notice must have the reference to the original notice by indication of either the BR identification number or the Unique identifier of the assignment given by the administration in field t_rmk.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_stn_cls = FB	X	2 characters	The class of station from Section 6 of Chapter 4 of the Preface. Alowed symbols: AL, BC, FA, FB, FC, FD, FG, FL, FP, LR, NL, OE, RN, SM, SS. BC is allowed only in non-planned bands below 28 MHz and above 1 GHz.
t_nat_srv = CR	X	2 characters, Section 7 of Chapter IV of the Preface	The two character code for the nature of service. Mandatory for actions ADD and MODIFY. Allowed values are CO, CP, CR, CV, FS, HP, OT, RC, RD, RG, RT. Multiple t_nat_srv keys are possible.
t_emi_cls = F3EJN	X	Up to 5 characters	The class of emission according to Appendix 1 to the Radio Regulations. The first three characters are mandatory for actions ADD and MODIFY. The last two characters are optional.
t_bdwdth_cde = 12K5	X	4 characters	The four-character code for the necessary bandwidth. Mandatory for actions ADD and MODIFY.
t_op_hh_fr = 0000	X	0000 – 2359	The starting time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_hh_to = 2400	X	0001 – 2400	The ending time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_site_alt = 355	+	-1000 to +8850 metres	The altitude (metres) of the site above mean sea level. Mandatory for actions ADD and MODIFY if the assignment is notified in the bands shared between terrestrial and space services with equal rights.
t_op_agcy = 001	O	Section 3 of Chapter IV of the Preface, 3 characters	The symbol for the operating agency. Multiple t_op_agcy keys are possible.
t_addr_code = A	X	Section 3 of Chapter IV of the Preface, 2 characters	The symbol for the address of the administration responsible for the station.
t_remarks	O	80 characters	Any comment intended to assist the Bureau in processing the notice.
t_trg_adm_ref_id = F/FXM/00599	+	20 characters max	The Administration's unique identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if the set of other identifying fields (t_trg_freq_assgn, t_trg_long, t_trg_lat, t_trg_stn_cls, t_trg_emi_cls, t_trg_bdwdth_cde, t_trg_op_hh_fr and t_trg_op_hh_to) is not notified.
t_trg_freq_assgn = 151.75	+	Numeric value	The assigned frequency (MHz) of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. Allowed range is from 0.009 to 275000
t_trg_long = +0514100	+	±DDDMMSS -1800000 to +1800000	The longitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_lat = +335250	+	±DDMMSS -900000 to +900000	The latitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_trg_stn_cls = FB	+	AL, BC, FA, FB, FC, FD, FG, FL, FP, LR, NL, OE, RN, SM, SS	The class of station of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_emi_cls = F3EJN	+	5 characters	The class of emission of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_bdwdth_cde = 12K5	+	4 characters	The four-character code for the necessary bandwidth of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_fr = 0000	+	0000 – 2359	The starting time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_to = 2359	+	0001 – 2400	The ending time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
<ANTENNA>	X	<ANTENNA>	Beginning of ANTENNA sub-section containing antenna information. There could be several ANTENNA sub-sections for 1 notice.
t_pwr_xyz = Y	X	X or Y or Z	The type of power according to Nos. RR 1.156 – 1.159. Mandatory for actions ADD and MODIFY.
t_pwr_ant = 8.5	+	Numeric, with + or – sign and 1 decimal, 5 characters	The power to the antenna (dBW). Mandatory for actions ADD and MODIFY: (a) in the bands below 28 MHz, (b) for the mobile service in the bands listed in Table 21-2 of RR Article 21, (c) in all other cases if the radiated power is not notified.
t_pwr_dbw = 13.5	+	Numeric, with + or – sign and 1 decimal, 5 characters max	The radiated power (dBW). Mandatory for actions ADD and MODIFY if the power to antenna or the maximum antenna gain are not notified.
t_pwr_eiv = E	+	1 character, E or I or V	The type of radiated power in one of the forms described in Nos. 1.161 – 1.163 of the RR. The possible values are E (e.r.p), I (e.i.r.p) and V (e.m.r.p). Mandatory for actions ADD and MODIFY if the radiated power is notified
t_ant_dir = ND	X	D or ND	Indicates whether the antenna is directional (D) or non-directional (ND). Mandatory for actions ADD and MODIFY.
t_azm_max_e	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the azimuth (degrees from True North) of maximum radiation. Mandatory for actions ADD and MODIFY if the antenna is directional and the azimuthal sector for rotatable antenna is not provided. Value should be between 0 and 359.9.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_bmwdth	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the beamwidth (degrees). Mandatory for actions ADD and MODIFY if the antenna is directional, except the case when the azimuthal sector for rotatable antenna is provided and it is equal to 0 – 360. Value should be between 0 and 360 inclusive.
t_gain_max = 6	+	Numeric, with 1 decimal 5 characters max	The maximum antenna gain (dB). Mandatory for actions ADD and MODIFY if the antenna is directional. For non-directional antenna, this data item is mandatory if the radiated power is not notified.
t_gain_type	+	I or D or V	The type of antenna gain relative to: (a) isotropic antenna (I) in the bands shared between terrestrial and space services with equal rights; (b) short vertical antenna (V) in the bands governed by Regional agreements GE85M and GE85N; half-wave dipole (D) in all other bands. Mandatory if the maximum antenna gain is provided.
t_hgt_agl = 30	+	Integer, with + or – sign, 4 characters max	Height of transmitting antenna above ground level (meters). Mandatory for actions ADD and MODIFY if the assignment is notified in the bands shared between terrestrial and space services with equal rights. Value should be between -100 and +500.
elev	+	Numeric, with 1 decimal 4 characters max	The elevation angle of maximum directivity. Mandatory for actions ADD and MODIFY if the assignment is notified in the bands shared between terrestrial and space services with equal rights. Value should be between -90 and +90.
t_dist_max	O	Numeric, 8 characters max	Maximum length of the circuit (km) for non-circular receiving areas. For HF bands only.
<ROTATIONAL>	+	<ROTATIONAL>	Beginning of ROTATIONAL sub-sub-section. This sub-sub-section is provided for actions ADD and MODIFY if the antenna described in an **ANTENNA** sub-section has rotating or swept beam.
t_azm_fr = 0	+	Numeric, with 1 decimal, between 0 and 359.9 5 characters max	The starting azimuth (degrees from True North) for this azimuthal sector.
t_azm_to = 360	+	Numeric, with 1 decimal between 0.1 and 360 5 characters max	The ending azimuth (degrees from True North) for this azimuthal sector.
</ROTATIONAL>	+	</ROTATIONAL>	End of ROTATIONAL sub-sub-section.
<RX_STATION>	X	<RX_STATION>	Beginning of RX_STATION sub-sub-section. There may be several RX_STATION sub-sub-sections in ANTENNA sub-section.
t_geo_type = CIRCLE	X	CIRCLE or MULTIPOINT or ZONE, 12 characters max	The type of geographic area describing the location of the receiving stations. The possible values are **CIRCLE** when the area is specified as a circle, **MULTIPOINT** when the area is described by a series of minimum 3 points, **ZONE** when the receiving area is specified as a standard area or ITU geographic area.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_long = +0053340	+	±DDDMMSS -1800000 to +1800000	The longitude of the center of the circular receiving area. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Not provided when **t_geo_type** is equal to **MULTIPOINT** or **ZONE.**
t_lat = +431237	+	±DDMMSS -900000 to +900000	The lattitude of the center of the circular receiving area. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Not provided when **t_geo_type** is equal to **MULTIPOINT** or **ZONE.**
radius	+	Numeric, with 2 decimals, max 8 characters	Nominal radius of the circle receiving area (km). Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Allowed values are from 0.01 to 20 000.
zone_id = MAR06	+	Up to 20 characters	The geographic area or standard area of location of receiving stations. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **ZONE**. Not provided when **t_geo_type** is equal to **MULTIPOINT** or **CIRCLE.**
<POINT>	+	<POINT>	Beginning of POINT sub-sub-sub-section describing the area of the location of receiving fixed stations. This sub-sub-sub-section is provided only when **t_geo_type** is equal to **MULTIPOINT**. **The area should be described by minimum 3 sets of geographical coordinates, so minimum 3 POINT sub-sub-sub-sections shall be present**.
t_long = +0050630	+	±DDDMMSS -1800000 to +1800000	The longitude of a point, which together with other points provided in this sub-sub-sub-section, describes the area of the location of receiving stations. Mandatory when **t_geo_type** is equal to **MULTIPOINT**. Not provided when **t_geo_type** is equal to **CIRCLE** or **ZONE.**
t_lat = +430000	+	±DDMMSS -900000 to +900000	The latitude of a point, which together with other points provided in this sub-sub-sub-section, describes the area of the location of receiving stations. Mandatory when **t_geo_type** is equal to **MULTIPOINT**. Not provided when **t_geo_type** is equal to **POINT.** Not provided when **t_geo_type** is equal to **CIRCLE** or **ZONE.**
</POINT>	+	</POINT>	End of POINT sub-sub-sub-section.
</RX_STATION>	X	</RX_STATION>	End of RX_STATION sub-sub-section.
</ANTENNA>	X	</ANTENNA>	End of ANTENNA sub-section.
<COORD >	+	<COORD>	Beginning of COORD sub-section if coordination has been successfully completed with one or more administrations
t_adm = AZE t_adm = TUR	+	ITU symbol up to 3 characters	ITU symbols designating the administrations with which coordination has been successfully completed. Required for actions ADD and MODIFY, if coordination is necessary and successfully completed.
</COORD>	+	</COORD>	End of COORD sub-section.
</NOTICE>	X	<NOTICE>	End of NOTICE section for the first notice.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section for the second notice.
</NOTICE>	X	</NOTICE>	End of NOTICE section for the second notice.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<TAIL>	X	<TAIL>	Beginning of TAIL section indicating the total number of notices in the notification file.
t_num_notices = 200		Integer	The number of notices contained in the file.
</TAIL>		</TAIL>	End of TAIL section. End of the notification file.

Table 3

T13 – Electronic file format for submission of an assignment to a terrestrial receiving land station

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
<HEAD>	X	<HEAD>	Beginning of the HEAD section containing general data elements related to all notices.
t_char_set = ISO-8859-1	O	ISO-8859-1	The character set used in the file (NB: Only the ISO-8859-1 character set is permitted).
t_d_sent	O	YYYY-MM-DD	The date of sending the notice.
t_adm = SUI	X	ITU symbols for administrations, up to 3 characters	ITU symbol designating the administration responsible for submission.
t_email_addr = mail@ofcom.ch	O	unlimited	The electronic mail address.
</HEAD>	X	</HEAD>	End of the HEAD section.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section containing data elements related to the first notice.
t_notice_type = T13	X	T13	The type of notice. T13 notice is not receivable in the GE06 planning area and bands (G13 notice shall be used instead).
t_d_adm_ntc = 2010-11-22	O	YYYY-MM-DD	The date that the administration gives to this notice. This may be different than t_d_sent in the HEAD section.
t_fragment = NTFD_RR	X	NTFD_RR or Req_agrt	NTFD_RR if assignment is notified for recording in the MIFR. Req_agrt if assignment is submitted for the application of coordination procedure of No. 9.21.
t_prov = RR11.9	X	RR11.9 or RR9.21	Provision of the Radio Regulations under which this notice is submitted. Allowed values are: RR11.9 if the assignment is notified for recording in the MIFR; RR9.21 if assignment is submitted for the application of coordination procedure of No. 9.21.
t_action = ADD	X	ADD, MODIFY, SUPPRESS, WITHDRAW	The action to be taken regarding this notice.
t_adm_ref_id = SUI/354	O	20 characters max	Unique identifier of the assignment given by the administration.
t_freq_assgn = 932	X	Numeric value, max. 8 characters	Assigned frequency (MHz). Mandatory for actions ADD and MODIFY. Allowed range is from 0.009 to 275000. T13 notice is not receivable in the GE06 planning area and bands (G13 notice shall be used instead).

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
t_freq_carr	+	Numeric value, max. 8 characters	Reference (carrier) frequency (MHz). Mandatory for actions ADD and MODIFY if the reference frequency is different from the centre of the assigned frequency band (if the first symbol in the class of emission is C, H, J or R). Allowed range is from 0.009 to 275000.
t_d_inuse = 2010-12-22	X	YYYY-MM-DD	Date (actual or foreseen, as appropriate) of bringing the frequency assignment into use. Mandatory for actions ADD and MODIFY. The notices shall reach the Bureau not earlier than a certain period of time before that date. This period of time is specified in No. 11.24, 11.25 and 11.26A of the RR. Assignments can be notified after bringing into use without limitations.
t_site_name = GRUYERES	X	30 characters max	The name of the site where the receiving antenna is located. Mandatory for actions ADD and MODIFY. For site names it is recommended to use upper-case letters A to Z and digits from 0 to 9 and space.
t_ctry = SUI	X	ITU symbol for the geographical area, up to 3 characters	ITU symbol designating the geographical area where the receiving antenna is located. Mandatory for actions ADD and MODIFY.
t_long = +0070600	X	±DDDMMSS -1800000 to +1800000	The longitude of the receiving antenna site. Mandatory for actions ADD and MODIFY.
t_lat = +463500	X	±DDMMSS -900000 to +900000	The latitude of the receiving antenna site. Mandatory for actions ADD and MODIFY.
t_is_resub = FALSE	+	TRUE or FALSE	Indicator showing that the assignment is resubmitted after its return in accordance with the provisions of Nos. 11.41 or 11.43 or 11.43D of the RR. Resubmissions can be made only in the bands shared between terrestrial and space services with equal rights and allocated to space services in space-to-Earth direction of transmission. Resubmissions can be made only during 6 months from the date of the return of the original notice. Resubmitted notice must have the reference to the original notice by indication of either the BR identification number or the Unique identifier of the assignment given by the administration in field t_rmk.
t_stn_cls = ML	X	2 characters	The class of station from Section 6 of Chapter 4 of the Preface. Mandatory for actions ADD and MODIFY. Allowed symbols : AM, MA, ML, MO, MR, MS, NR, OD, RM, SA
t_nat_srv = CO	X	2 characters	The two character code for the nature of service from Section 7 of Chapter IV of the Preface. Mandatory for actions ADD and MODIFY. Allowed values are CO, CP, CR, CV, FS, HP, OT, RC, RD, RG, RT. Multiple t_nat_srv keys are possible.
t_emi_cls = F7EWX	X	Up to 5 characters	The class of emission according to Appendix 1 to the Radio Regulations. The first three characters are mandatory for actions ADD and MODIFY. The last two characters are optional.

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
t_bdwdth_cde = 200K	X	4 characters	The four-character code for the necessary bandwidth. Mandatory for actions ADD and MODIFY.
t_op_hh_fr = 0000	X	0000 – 2359	The starting time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_hh_to = 2400	X	0001 – 2400	The ending time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_agcy = 001	O	3 characters	The symbol for the operating agency from Section 3 of Chapter IV of the Preface. Multiple t_op_agcy keys are possible. Optional.
t_addr_code = A	X	2 characters	The symbol for the address of the administration responsible for the station from Section 3 of Chapter IV of the Preface. Mandatory for actions ADD and MODIFY.
t_remarks	O	80 characters	Any comment intended to assist the Bureau in processing the notice.
t_trg_adm_ref_id = SUI/ML/998	+	20 characters max	The Administration's unique identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if the set of other identifying fields (t_trg_freq_assgn, t_trg_long, t_trg_lat, t_trg_stn_cls, t_trg_emi_cls, t_trg_bdwdth_cde, t_trg_op_hh_fr and t_trg_op_hh_to) is not notified.
t_trg_freq_assgn = 940	+	Numeric value	The assigned frequency (MHz) of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. Allowed range is from 0.009 to 275000
t_trg_long = +0070600	+	±DDDMMSS -1800000 to +1800000	The longitude of the receiving site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_lat = +463500	+	±DDMMSS -900000 to +900000	The latitude of the receiving site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_stn_cls = ML	+	2 characters	The class of station of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. Allowed symbols: AM, MA, ML, MO, MR, MS, NR, OD, RM, SA
t_trg_emi_cls = F3EJN	+	5 characters	The class of emission of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_bdwdth_cde = 200K	+	4 characters	The four-character code for the necessary bandwidth of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
t_trg_op_hh_fr = 0000	+	0000 – 2359	The starting time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_to = 2359	+	0001 – 2400	The ending time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
<ANTENNA>	X	<ANTENNA>	Beginning of ANTENNA sub-section containing antenna information. There could be several ANTENNA sub-sections for 1 notice.
t_pwr_xyz = Y	X	X or Y or Z	The type of power according to Nos. RR 1.156 – 1.159. Mandatory for actions ADD and MODIFY.
t_pwr_ant = 3	+	Numeric, with + or – sign and 1 decimal, 5 characters	The power to the antenna (dBW) of transmitting mobile stations. Mandatory for actions ADD and MODIFY: (a) in the bands below 28 MHz. (b) for the mobile service in the bands listed in Table 21-2 of RR Article 2, (c) in all other cases if the radiated power is not notified.
t_pwr_dbw = 6	+	Numeric, with + or – sign and 1 decimal, 5 characters max	The radiated power (dBW) of transmitting mobile stations. Mandatory for actions ADD and MODIFY if the power to antenna is not notified.
t_pwr_eiv = E	+	1 character, E or I	The type of radiated power in one of the forms described in Nos. 1.161 – 1.162 of the RR. The possible values are E (e.r.p) or I (e.i.r.p). Mandatory for actions ADD and MODIFY if the radiated power is notified.
<TX_STATION>	X	<TX_STATION>	Beginning of TX_STATION sub-sub-section. There may be several TX_STATION sub-sub-sections in ANTENNA sub-section.
t_geo_type = CIRCLE	X	CIRCLE or ZONE, 12 characters max	The type of geographic area describing the location of the transmitting stations. The possible values are **CIRCLE** when the area is specified as a circle and **ZONE** when the receiving area is specified as a standard area or ITU geographic area.
t_long = +0070600	+	±DDDMMSS -1800000 to +1800000	The longitude of the center of the circular transmitting area. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Not provided when **t_geo_type** is equal to **ZONE.**
t_lat = +461237	+	±DDMMSS -900000 to +900000	The lattitude of the center of the circular transmitting area. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Not provided when **t_geo_type** is equal to **ZONE.**
radius	+	Numeric, with 2 decimals, max 8 characters	Nominal radius of the circular transmitting area (km). Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Allowed values are from 0.01 to 20 000.

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
zone_id = MAR04	+	Up to 20 characters	The geographic area or standard area of location of transmitting stations. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **ZONE**. Not provided when **t_geo_type** is equal to **CIRCLE.**
</TX_STATION>	X	</TX_STATION>	End of TX_STATION sub-sub-section.
</ANTENNA>	X	</ANTENNA>	End of ANTENNA sub-section.
<COORD >	+	<COORD>	Beginning of COORD sub-section if coordination has been successfully completed with one or more administrations
t_adm = F t_adm = AUS	+	ITU symbol up to 3 characters	ITU symbols designating the administrations with which coordination has been successfully completed. Required for actions ADD and MODIFY, if coordination is necessary and successfully completed.
</COORD>	+	</COORD>	End of COORD sub-section.
</NOTICE>	X	<NOTICE>	End of NOTICE section for the first notice.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section for the second notice.
</NOTICE>	X	</NOTICE>	End of NOTICE section for the second notice.
<TAIL>	X	<TAIL>	Beginning of TAIL section indicating the total number of notices in the notification file.
t_num_notices = 9		Integer	The number of notices contained in the file.
</TAIL>		</TAIL>	End of TAIL section. End of the notification file.

Table 4

T14 – Electronic file format for submission of an assignment to terrestrial typical transmitting station

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
<HEAD>	X	<HEAD>	Beginning of the HEAD section containing general data elements related to all notices.
t_char_set = ISO-8859-1	O	ISO-8859-1	The character set used in the file (NB: Only the ISO-8859-1 character set is permitted).
t_d_sent	O	YYYY-MM-DD	The date of sending the notice.
t_adm = CAN	X	ITU symbols for administrations, up to 3 characters	ITU symbol designating the administration responsible for submission.
t_email_addr =	O	unlimited	The electronic mail address.
</HEAD>	X	</HEAD>	End of the HEAD section.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section containing data elements related to the first notice.
t_notice_type = T14	X	T14	The type of notice. T14 notice shall not be notified in cases, described in Nos. 11.18 – 11.21B of the RR. T14 notice is not receivable in the GE06 planning area and bands (G14 notice shall be used instead).
t_d_adm_ntc = 2010-11-18	O	YYYY-MM-DD	The date that the administration gives to this notice. This may be different than t_d_sent in the HEAD section.
t_fragment = NTFD_RR	X	NTFD_RR	Only Fragment NTFD_RR, for recording the assignment in the MIFR, is allowed.
t_prov = RR11.17	X	RR11.17	Provision of the Radio Regulations under which this notice is submitted. Allowed value is RR11.17.
t_action	X	ADD, MODIFY, SUPPRESS, WITHDRAW	The action to be taken regarding this notice.
t_adm_ref_id = 26033863001	O	20 characters max	Unique identifier of the assignment given by the administration.
t_freq_assgn = 5.0544	X	Numeric value, max. 8 characters	Assigned frequency (MHz). Mandatory for actions ADD and MODIFY. Allowed range is from 0.009 to 275000. T12 notice is not receivable in the GE06 planning area and bands (G14 notice shall be used instead).
t_freq_carr	+	Numeric value, max. 8 characters	Reference (carrier) frequency (MHz). Mandatory for actions ADD and MODIFY if the reference frequency is different from the centre of the assigned frequency band (if the first symbol in the class of emission is C, H, J or R). Allowed range is from 0.009 to 275000

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
t_d_inuse =	X	YYYY-MM-DD	Date (actual or foreseen, as appropriate) of bringing the frequency assignment into use. Mandatory for actions ADD and MODIFY. The notices shall reach the Bureau not earlier than a certain period of time before that date. This period of time is specified in No. 11.24, 11.25 of the RR (3 months and 3 years). Assignments can be notified after bringing into use without limitations.
t_stn_cls = FX	X	2 characters	The class of station from Section 6 of Chapter 4 of the Preface. Allowed symbols: AL, FA, FB, FC, FD, FG, FL, FP, FX, LR, NL, OE, RN, SM and SS. For classes of station AL, FA, FB, FC, FD, FG, FL, FX and NL, T14 notice is only permitted outside the bands governed by worldwide and regional frequency plans.
t_nat_srv = CR	X	2 characters, Section 7 of Chapter IV of the Preface	The two character code for the nature of service. Mandatory for actions ADD and MODIFY. Allowed values are AX, CO, CP, CR, CV, OT, PX, RC, RD, RG, RT, ST. Multiple t_nat_srv keys are possible.
t_emi_cls = J3EJN	X	Up to 5 characters	The class of emission according to Appendix 1 to the Radio Regulations. The first three characters are mandatory for actions ADD and MODIFY. The last two characters are optional.
t_bdwdth_cde = 2K80	X	4 characters	The four-character code for the necessary bandwidth. Mandatory for actions ADD and MODIFY.
t_op_hh_fr = 0000	X	0000 – 2359	The starting time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_hh_to = 2400	X	0001 – 2400	The ending time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_geo_type = CIRCLE	X	CIRCLE or ZONE, 12 characters max	The type of geographic area describing the location of typical stations. The possible values are **CIRCLE** when the area is specified as a circle and **ZONE** when the receiving area is specified as a standard area or ITU geographic area.
t_long = +0050630	+	±DDDMMSS -1800000 to +1800000	The longitude of the center of the circular area, where typical stations are located. Mandatory when **t_geo_type** is equal to **CIRCLE**. Not provided when **t_geo_type** is equal to **ZONE.**
t_lat = +430000	+	±DDMMSS -900000 to +900000	The latitude of the center of the circular area, where typical stations are located. Mandatory when **t_geo_type** is equal to **CIRCLE**. Not provided when **t_geo_type** is equal to **ZONE.**
radius	+	Numeric, with 2 decimals, max 8 characters	Nominal radius of the circle area, where typical stations are located (km). Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Allowed values are from 0.01 to 20 000.
zone_id	+	Up to 20 characters	The geographic area or standard area of location of typical stations. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **ZONE**. Not provided when **t_geo_type** is equal to **CIRCLE.**
t_op_agcy = 001	O	Section 3 of Chapter IV of the Preface, 3 characters	The symbol for the operating agency. Multiple t_op_agcy keys are possible.

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
t_addr_code = A	X	Section 3 of Chapter IV of the Preface, 2 characters	The symbol for the address of the administration responsible for the station.
t_remarks	O	80 characters	Any comment intended to assist the Bureau in processing the notice.
t_trg_adm_ref_id	+	20 characters max	The Administration's unique identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if the set of other identifying fields (t_trg_freq_assgn, t_trg_long, t_trg_lat, t_trg_stn_cls, t_trg_zone_id, t_trg_emi_cls, t_trg_bdwdth_cde, t_trg_op_hh_fr and t_trg_op_hh_to) is not notified.
t_trg_freq_assgn	+	Numeric value	The assigned frequency (MHz) of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. Allowed range is from 0.009 to 275000
t_trg_long	+	±DDDMMSS -1800000 to +1800000	The longitude of the center of the circular area, where typical stations are located. Shall be provided for the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id and t_trg_zone_id are not notified.
t_trg_lat	+	±DDMMSS -900000 to +900000	The lattitude of the center of the circular area, where typical stations are located. Shall be provided for the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id and t_trg_zone_id are not notified.
t_trg_zone_id	+	Up to 20 characters	The geographic area or standard area of location of typical stations,. Shall be provided for the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id and the geographical coordinates of the target are not notified.
t_trg_stn_cls	+	AL, FA, FB, FC, FD, FG, FL, FP, FX, LR, NL, OE, RN, SM, SS	The class of station of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_emi_cls	+	5 characters	The class of emission of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_bdwdth_cde	+	4 characters	The four-character code for the necessary bandwidth of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
t_trg_op_hh_fr = 0000	+	0000 – 2359	The starting time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_to = 2359	+	0001 – 2400	The ending time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
<ANTENNA>	X	<ANTENNA>	Beginning of ANTENNA sub-section containing antenna information. There could be several ANTENNA sub-sections for 1 notice.
t_pwr_xyz = X	X	X or Y or Z	The type of power according to Nos. RR 1.156 – 1.159. Mandatory for actions ADD and MODIFY.
t_pwr_ant = 9.4	+	Numeric, with + or – sign and 1 decimal, 5 characters	The power to the antenna (dBW). Mandatory for actions ADD and MODIFY in the bands below 28 MHz and if the radiated power is not notified.
t_pwr_dbw = 9.4	+	Numeric, with + or – sign and 1 decimal, 5 characters max	The radiated power (dBW). Mandatory for actions ADD and MODIFY if the power to antenna or the maximum antenna gain are not notified.
t_pwr_eiv = E	+	1 character, E or I	The type of radiated power in one of the forms described in Nos. 1.161 – 1.162 of the RR. The possible values are E (e.r.p), I (e.i.r.p). Mandatory for actions ADD and MODIFY if the radiated power is notified
t_gain_max = 0	+	Numeric, with 1 decimal 5 characters max	The maximum antenna gain (dB). Mandatory for actions ADD and MODIFY if the antenna is directional. For non-directional antenna, this data item is mandatory if the radiated power is not notified.
t_gain_type	+	I or D	The type of antenna gain relative to isotropic antenna (I) in the bands shared between terrestrial and space services with equal rights and related to half-wave dipole (D) in all other bands. Mandatory if the maximum antenna gain is provided.
</ANTENNA>	X	</ANTENNA>	End of ANTENNA sub-section.
<COORD >	+	<COORD>	Beginning of COORD sub-section if coordination has been successfully completed with one or more administrations
t_adm = USA	+	ITU symbol up to 3 characters	ITU symbols designating the administrations with which coordination has been successfully completed. Required for actions ADD and MODIFY, if coordination is necessary and successfully completed.
</COORD>	+	</COORD>	End of COORD sub-section.
</NOTICE>	X	<NOTICE>	End of NOTICE section for the first notice.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section for the second notice.

Section markers (in bold) and data items (values given as example only)	X/O/+/C/-	Permissible value(s)	Comments
</NOTICE>	X	</NOTICE>	End of NOTICE section for the second notice.
<TAIL>	X	<TAIL>	Beginning of TAIL section indicating the total number of notices in the notification file.
t_num_notices = 2		Integer	The number of notices contained in the file.
</TAIL>		</TAIL>	End of TAIL section. End of the notification file.

Table 5

T15 – Electronic file format for submission of a frequency allotment in the maritime mobile service

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<HEAD>	X	<HEAD>	Beginning of the HEAD section containing general data elements related to all notices.
t_char_set = ISO-8859-1	O	ISO-8859-1	The character set used in the file (NB: Only the ISO-8859-1 character set is permitted).
t_d_sent	O	YYYY-MM-DD	The date of sending the notice.
t_adm = VTN	X	ITU symbols for administrations, up to 3 characters	ITU symbol designating the administration responsible for submission.
t_email_addr =	O	unlimited	The electronic mail address.
</HEAD>	X	</HEAD>	End of the HEAD section.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section containing data elements related to the first notice.
t_notice_type = T15	X	T15	The type of notice.
t_d_adm_ntc = 2010-10-21	O	YYYY-MM-DD	The date that the administration gives to this notice. This may be different than t_d_sent in the HEAD section.
t_fragment = AP25	X	AP25	The part of the BR database, where assignment or allotment is recorded. Only value "AP25" is allowed.
t_prov = AP25/1.1.2	X	AP25/1.1.1 or AP25/1.1.2 or AP25/1.25	Provision of the Appendix 25 to the Radio Regulations under which this notice is submitted. Allowed values are: AP25/1.1.1 if the administration does not have any allotments in the AP25 Plan and requests for an allotment; AP25/1.1.2 if the administration requests for an additional allotment; AP25/1.25 if the administration replaces existing allotment by another one in the same frequency band.
t_action = ADD	X	ADD, MODIFY, SUPPRESS, WITHDRAW	The action to be taken regarding this notice.
t_adm_ref_id	M	20 characters max	Unique identifier of the assignment given by the administration.
t_chn_pref	+	Numeric value, max. 4 characters	The proposed channel number. Required for actions ADD and MODIFY if t_band_pref is not notified. Allowed channel numbers are listed in the AP25 Plan.
t_chn_alt	O	Numeric value, max. 4 characters	Alternative channel number. If present, it shall be in the same frequency band as the proposed channel number. There can be only one alternative channel number in the notice.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_band_pref	+	Numeric value, max. 2 characters	The preferred band. Required for actions ADD and MODIFY if t_chn_pref is not notified. Allowed values are: 04, 06, 08, 12, 16, 18, 22, 25.
t_zone_id	X	20 characters max	The allotment area. Allowed values are the ITU symbols designating the geographical area of the allotment and AP25 maritime zones listed in Section 5 of Chapter IV of the Preface. Mandatory for actions ADD and MODIFY.
t_d_inuse = 2010-12-20	X	YYYY-MM-DD	Date of bringing the coast station rendering the service into use. Mandatory for actions ADD and MODIFY. The notices shall reach the Bureau not earlier than two years in case of AP25/1.1.1 or not earlier than 6 months in case of AP25/1.1.2 before the date. Allotment shall be notified only before bringing into use of the planned coast station.
t_stn_cls = FC	X	FC	The class of station. Allowed symbol is FC
t_nat_srv = CR	X	2 characters, Section 7 of Chapter IV of the Preface	The two character code for the nature of service. Mandatory for actions ADD and MODIFY. Allowed values are CO, CP, CR, CV, FS, OT. Multiple t_nat_srv keys are possible.
t_emi_cls = J3E--	X	Up to 5 characters	The class of emission according to Appendix 1 to the Radio Regulations. The first three characters are mandatory for actions ADD and MODIFY and shall be either J3E or J2D. The last two characters are optional.
t_bdwdth_cde = 2K80	X	2K80	The four-character code for the necessary bandwidth. The only allowed value is 2K80. Mandatory for actions ADD and MODIFY.
t_op_hh_fr = 0000	X	0000 – 2359	The starting time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_hh_to = 2400	X	0001 – 2400	The ending time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_traffic	X	Numeric value, max. 3 characters	The estimated daily volume of traffic (min). Mandatory for actions ADD and MODIFY. Allowed values are from 001 to 999.
t_remarks	O	80 characters	Any comment intended to assist the Bureau in processing the notice.
t_trg_adm_ref_id	+	20 characters max	The Administration's unique identifier of the allotment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS if the set of other identifying fields (t_trg_chn_no, t_trg_stn_cls, t_trg_emi_cls, t_trg_bdwdth_cde, t_trg_op_hh_fr and t_trg_op_hh_to, t_trg_zone_id) is not notified. Always mandatory for action WITHDRAW.
t_trg_chn_no = 603	+	Numeric value	The channel number of the channel to be replaced (action MODIFY in case of AP25/1.25) or suppressed (action SUPPRESS in cases of AP25/1.1.1 and AP25/1.1.2). Mandatory for actions MODIFY and SUPPRESS if t_trg_adm_ref_id is not notified. Shall not be submitted for the notice under treatment to be updated or withdrawn.
t_trg_stn_cls = FC	+	FC	The class of station of the allotment to be modified or suppressed. Mandatory for actions MODIFY, SUPPRESS if t_trg_adm_ref_id is not notified.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_trg_emi_cls	+	5 characters	The class of emission of the allotment to be modified or suppressed. Mandatory for actions MODIFY and SUPPRESS if t_trg_adm_ref_id is not notified. Shall not be submitted for the notice under treatment to be updated or withdrawn.
t_trg_bdwdth_cde	+	4 characters	The four-character code for the necessary bandwidth of the allotment to be modified or suppressed. Mandatory for actions MODIFY and SUPPRESS if t_trg_adm_ref_id is not notified. Shall not be submitted for the notice under treatment to be updated or withdrawn.
t_trg_op_hh_fr = 0000	+	0000 – 2359	The starting time of the hours of operation of the allotment to be modified or suppressed. Mandatory for actions MODIFY and SUPPRESS if t_trg_adm_ref_id is not notified. Shall not be submitted for the notice under treatment to be updated or withdrawn.
t_trg_op_hh_to = 2359	+	0001 – 2400	The ending time of the hours of operation of the allotment to be modified or suppressed. Mandatory for actions MODIFY and SUPPRESS if t_trg_adm_ref_id is not notified. Shall not be submitted for the notice under treatment to be updated or withdrawn.
t_trg_zone_id	X	20 characters max	The allotment area of the allotment to be modified or suppressed. Mandatory for actions MODIFY and SUPPRESS if t_trg_adm_ref_id is not notified. Shall not be submitted for the notice under treatment to be updated or withdrawn.
<COAST STATION>	+	<COAST STATION>	Beginning of <COAST STATION> sub-section containing information about the coast station rendering the service. Mandatory if the provision is AP25/1.1.1. Optional, if the provision is AP25/1.1.2. There could be several COAST STATION sub-sections for 1 notice.
t_site_name = VTN RADIO	+	30 characters max	The name of the site where the intended coast station is located. Mandatory for actions ADD and MODIFY if the provision is AP25/1.1.1. Shall not be notified, if the provision is AP25/1.1.2 or AP25/1.25.
t_long = +1091000	+	±DDDMMSS -1800000 to +1800000	The longitude of the intended coast station location. Mandatory for actions ADD and MODIFY if the provision is AP25/1.1.1. Shall not be notified, if the provision is AP25/1.1.2 or AP25/1.25.
t_lat = +121600	+	±DDMMSS -900000 to +900000	The latitude of the intended coast station location. Mandatory for actions ADD and MODIFY if the provision is AP25/1.1.1. Shall not be notified, if the provision is AP25/1.1.2 or AP25/1.25.
</COAST STATION>	+	</COAST STATION>	End of <COAST STATION> sub-section containing information about the coast station rendering the service
<PEAK HOURS>	X	<PEAK HOURS>	Beginning of <PEAK HOURS> sub-section containing information about estimated peak hours of traffic. There could be several PEAK HOURS sub-sections for 1 notice.
t_peak_hh_fr	X	0000 – 2359	The starting time of the estimated peak hours of traffic. Mandatory for actions MODIFY and SUPPRESS.
t_peak_hh_to	X	0001 – 2400	The ending time of the estimated peak hours of traffic. Mandatory for actions MODIFY and SUPPRESS.
</PEAK HOURS>	X	</PEAK HOURS>	End of <PEAK HOURS> sub-section containing information about estimated peak hours of traffic.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<ANTENNA>	X	<ANTENNA>	Beginning of ANTENNA sub-section containing antenna information. There could be several ANTENNA sub-sections for 1 notice.
t_pwr_xyz =X	X	X	The type of power. The only allowed symbol is X. Mandatory for actions ADD and MODIFY.
t_pwr_ant = 30	X	Numeric, with + or – sign and 1 decimal, 5 characters	The power to the antenna (dBW). Mandatory for actions ADD and MODIFY.
t_ant_dir = ND	X	D or ND	Indicates whether the antenna is directional (D) or non-directional (ND). Mandatory for actions ADD and MODIFY.
t_azm_max_e	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the azimuth (degrees from True North) of maximum radiation. Mandatory for actions ADD and MODIFY if the antenna is directional and the azimuthal sector for rotatable antenna is not provided. Value should be between 0 and 359.9.
t_bmwdth	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the beamwidth (degrees). Mandatory for actions ADD and MODIFY if the antenna is directional, except the case when the azimuthal sector for rotatable antenna is provided and it is equal to 0 – 360. Value should be between 0 and 360 inclusive.
t_gain_max = 6	+	Numeric, with 1 decimal 5 characters max	The maximum antenna gain (dB). Mandatory for actions ADD and MODIFY if the antenna is directional.
t_gain_type	+	D	The type of antenna gain relative to half-wave dipole (D). Mandatory if the maximum antenna gain is provided.
t_dist_max	O	Numeric, 8 characters max	Maximum length of the circuit (km) for non-circular receiving areas.
<ROTATIONAL>	+	<ROTATIONAL>	Beginning of ROTATIONAL sub-sub-section. This sub-sub-section is provided for actions ADD and MODIFY if the antenna described in an **ANTENNA** sub-section has rotating or swept beam.
t_azm_fr = 0	+	Numeric, with 1 decimal, between 0 and 359.9 5 characters max	The starting azimuth (degrees from True North) for this azimuthal sector.
t_azm_to = 360	+	Numeric, with 1 decimal between 0.1 and 360 5 characters max	The ending azimuth (degrees from True North) for this azimuthal sector.
</ROTATIONAL>	+	</ROTATIONAL>	End of ROTATIONAL sub-sub-section.
<RX_STATION>	X	<RX_STATION>	Beginning of RX_STATION sub-sub-section. There may be several RX_STATION sub-sub-sections in ANTENNA sub-section.
t_geo_type = ZONE	X	ZONE	The type of geographic area describing the location of the receiving stations. The only allowed value is **ZONE**.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
zone_id = MAR07	+	5 characters	Standard maritime zone described in Section 5 of Chapter IV of the Preface. Mandatory for actions ADD and MODIFY. The allowed values are symbols “MAR” followed by a number in the range from 01 to 22.
</RX_STATION>	X	</RX_STATION>	End of RX_STATION sub-sub-section.
</ANTENNA>	X	</ANTENNA>	End of ANTENNA sub-section.
<COORD >	+	<COORD>	Beginning of COORD sub-section if coordination has been successfully completed with one or more administrations
t_adm = GRE	+	ITU symbol up to 3 characters	ITU symbols designating the administrations with which coordination has been successfully completed. Required for actions ADD and MODIFY, if coordination is necessary and successfully completed.
</COORD>	+	</COORD>	End of COORD sub-section.
</NOTICE>	X	<NOTICE>	End of NOTICE section for the first notice.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section for the second notice.
</NOTICE>	X	</NOTICE>	End of NOTICE section for the second notice.
<TAIL>	X	<TAIL>	Beginning of TAIL section indicating the total number of notices in the notification file.
t_num_notices = 3		Integer	The number of notices contained in the file.
</TAIL>		</TAIL>	End of TAIL section. End of the notification file.

Table 6

T16 – Electronic file format for submission of an assignment to a terrestrial transmitting station for the GE85M Plans update (Regional Agreement for the planning of the MF maritime mobile and aeronautical radionavigation services in Region 1)

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<HEAD>	X	<HEAD>	Beginning of the HEAD section containing general data elements related to all notices.
t_char_set = ISO-8859-1	O	ISO-8859-1	The character set used in the file (NB: Only the ISO-8859-1 character set is permitted).
t_d_sent	O	YYYY-MM-DD	The date of sending the notice.
t_adm = POR	X	ITU symbols for administrations, up to 3 characters	ITU symbol designating the administration responsible for submission.
t_email_addr =	O	unlimited	The electronic mail address.
</HEAD>	X	</HEAD>	End of the HEAD section.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section containing data elements related to the first notice.
t_notice_type = T16	X	T16	The type of notice.
t_d_adm_ntc = 2010-11-21	O	YYYY-MM-DD	The date that the administration gives to this notice. This may be different than t_d_sent in the HEAD section.
t_fragment = GE85M	X	GE85M	The part of the BR database, where assignment is recorded. The allowed value is GE85M.
t_prov = GE85(R1-MAR)	X	GE85(R1-MAR) or GE85(R1-AER)	The designation of frequency assignment plan contained in the Regional Agreement GE85M: symbol GE85(R1-MAR) is used to designate the Plan for the maritime mobile service; GE85(R1-AER) –the Plan for the aeronautical radionavigation service.
t_action = ADD	X	ADD, MODIFY, SUPPRESS, WITHDRAW	The action to be taken regarding this notice.
t_adm_ref_id	O	20 characters max	Unique identifier of the assignment given by the administration.
t_freq_assgn = 1.6634	X	Numeric value, max. 8 characters	Assigned frequency (MHz). Mandatory for actions ADD and MODIFY. Allowed range is from 0.415 to 2.16.
t_freq_carr = 1.662	+	Numeric value, max. 8 characters	Reference (carrier) frequency (MHz). Mandatory for actions ADD and MODIFY if the reference frequency is different from the centre of the assigned frequency band (if the first symbol in the class of emission is C, H, J or R). Allowed range is from 0.415 to 2.16.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_chn_no	O	Numeric, from 1 to 295	The channel number of the proposed plan assignment. Optional for actions ADD and MODIFY, if the provision is GE85(R1-MAR). The allowed values are from 1 to 39 inclusive and from 241 to 295 inclusive, see Annex 3 to the GE85M Agreement.
t_site_name = VILLAMORA	X	30 characters max	The name of the site where the transmitting antenna is located. Mandatory for actions ADD and MODIFY. For site names it is recommended to use upper-case letters A to Z and digits from 0 to 9 and space.
t_ctry = POR	X	ITU symbol for the geographical area, up to 3 characters	ITU symbol designating the geographical area where the transmitting antenna is located. Mandatory for actions ADD and MODIFY.
t_long = -045250	X	±DDDMMSS	The longitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY. Coordinates shall be in Region 1.
t_lat = +0384100	X	±DDMMSS	The latitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY. Coordinates shall be in Region 1.
t_stn_cls = FC	X	AL or FC	The class of station. Mandatory for actions ADD and MODIFY.
t_nat_srv = CR	X	2 characters, Section 7 of Chapter IV of the Preface	The two character code for the nature of service. Mandatory for actions ADD and MODIFY. Allowed values are CO, CP, CR, CV, FS, OT, RC, RD, RG, RT. Multiple t_nat_srv keys are possible.
t_emi_cls = J3E--	X	Up to 5 characters	The class of emission according to Appendix 1 to the Radio Regulations. The first three characters are mandatory for actions ADD and MODIFY. The last two characters are optional. Allowed values are: A1A, A2A, F1B, J3E.
t_bdwdth_cde = 2K80	X	4 characters	The four-character code for the necessary bandwidth. Mandatory for actions ADD and MODIFY.
t_op_hh_fr = 0000	X	0000 – 2359	The starting time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_hh_to = 2400	X	0001 – 2400	The ending time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_remarks	O	80 characters	Any comment intended to assist the Bureau in processing the notice.
t_trg_adm_ref_id = F/FXM/00599	+	20 characters max	The Administration's unique identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if the set of other identifying fields (t_trg_freq_assgn, t_trg_long, t_trg_lat, t_trg_stn_cls, t_trg_emi_cls, t_trg_bdwdth_cde, t_trg_op_hh_fr and t_trg_op_hh_to) is not notified.
t_trg_freq_assgn = 1.6634	+	Numeric value	The assigned frequency (MHz) of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. Allowed range is from 0.415 to 2.16.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_trg_long = -045250	+	±DDDMMSS	The longitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_lat = +0384100	+	±DDMMSS	The latitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_stn_cls = FC	+	AL or FC	The class of station of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_emi_cls = J3E--	+	5 characters	The class of emission of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_bdwdth_cde = 2K80	+	4 characters	The four-character code for the necessary bandwidth of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_fr = 0000	+	0000 – 2359	The starting time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_to = 2359	+	0001 – 2400	The ending time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
<ANTENNA>	X	<ANTENNA>	Beginning of ANTENNA sub-section containing antenna information. There could be several ANTENNA sub-sections for 1 notice.
<RX_STATION>	X	<RX_STATION>	Beginning of RX_STATION sub-sub-section.
t_geo_type = CIRCLE	X	CIRCLE	The type of geographic area describing the location of the receiving stations. Mandatory for actions ADD and MODIFY. The possible value is **CIRCLE**.
t_long = -0043340	+	±DDDMMSS	The longitude of the center of the circular receiving area. Mandatory for actions ADD and MODIFY.
t_lat = +0384100	+	±DDMMSS	The latitude of the center of the circular receiving area. Mandatory for actions ADD and MODIFY**.**

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
radius	+	Numeric, with 2 decimals, max 8 characters	Nominal radius of the circle receiving area (km). Mandatory for actions ADD and MODIFY. Allowed values are from 10 to 500.
</RX_STATION>	X	</RX_STATION>	End of RX_STATION sub-sub-section.
</ANTENNA>	X	</ANTENNA>	End of ANTENNA sub-section.
<COORD >	+	<COORD>	Beginning of COORD sub-section if coordination has been successfully completed with one or more administrations
t_adm = E	+	ITU symbol up to 3 characters	ITU symbols designating the administrations with which coordination has been successfully completed. Required for actions ADD and MODIFY, if coordination is necessary and successfully completed.
</COORD>	+	</COORD>	End of COORD sub-section.
</NOTICE>	X	<NOTICE>	End of NOTICE section for the first notice.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section for the second notice.
</NOTICE>	X	</NOTICE>	End of NOTICE section for the second notice.
<TAIL>	X	<TAIL>	Beginning of TAIL section indicating the total number of notices in the notification file.
t_num_notices = 12		Integer	The number of notices contained in the file.
</TAIL>		</TAIL>	End of TAIL section. End of the notification file.

Table 7

T17 – Electronic file format for submission of an assignment to a terrestrial transmitting station using adaptive systems

(Note: this notice type is still under implementation in TerRaSys; for this reason T17 notices are not receivable at the moment)

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
<HEAD>	X	<HEAD>	Beginning of the HEAD section containing general data elements related to all notices.
t_char_set = ISO-8859-1	O	ISO-8859-1	The character set used in the file (NB: Only the ISO-8859-1 character set is permitted).
t_d_sent	O	YYYY-MM-DD	The date of sending the notice.
t_adm = G	X	ITU symbols for administrations, up to 3 characters	ITU symbol designating the administration responsible for submission.
t_email_addr	O	unlimited	The electronic mail address.
</HEAD>	X	</HEAD>	End of the HEAD section.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section containing data elements related to the first notice.
t_notice_type = T17	X	T17	The type of notice.
t_d_adm_ntc = 2010-05-20	O	YYYY-MM-DD	The date that the administration gives to this notice. This may be different than t_d_sent in the HEAD section.
t_fragment = NTFD_RR	X	NTFD_RR	The part of the BR database where the assignment is recorded. The allowed value is NTFD_RR.
t_prov = RR11.2	X	RR11.2	Provision of the Radio Regulations under which this notice is submitted. Allowed value is RR11.2.
t_action = ADD	X	ADD, MODIFY, SUPPRESS, WITHDRAW	The action to be taken regarding this notice.
t_adm_ref_id = G/FX/341	O	20 characters max	Unique identifier of the assignment given by the administration.
t_freq_assgn = 14.4	X	Numeric value, max. 8 characters	Assigned frequency (MHz). Mandatory for actions ADD and MODIFY. Allowed range is from 0.3 to 30. Assigned frequency shall be outside the bands of the AP25, AP26 and AP27 allotment Plans, as well as outside the bands governed by Regional Agreements GE85M and RJ88.
t_freq_carr	+	Numeric value, max. 8 characters	Reference (carrier) frequency (MHz). Mandatory for actions ADD and MODIFY if the reference frequency is different from the centre of the assigned frequency band (if the first symbol in the class of emission is C, H, J or R). Allowed range is from 0.3 to 30. Reference frequency shall be outside the bands of the AP25, AP26 and AP27 allotment Plans, as well as outside the bands governed by Regional Agreements GE85M and RJ88.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_freq_rng_u	X	Up to 8 characters	The usable frequency range (MHz). Mandatory if under the Assigned Frequency only the centre assigned frequency of the frequency band to be used for the adaptive system is notified. The usable frequency range corresponds to the difference between the maximum and minimum assignable frequencies of a distinct frequency band.
t_d_inuse = 2009-09-20	X	YYYY-MM-DD	Date (actual or foreseen, as appropriate) of bringing the frequency assignment into use. Mandatory for actions ADD and MODIFY. The notices shall reach the Bureau not earlier than 3 months before that date. Assignments can be notified after bringing into use without any time limitations.
t_call_sign	+	7 characters max	Call sign used in accordance with Article 19 of the RR. Mandatory in the bands below 28 MHz, if t_station_id is not provided. In other bands the field is optional. Multiple t_call_sign keys are possible.
t_station_id	+	20 characters max	Station identification. The information transmitted by the radio station to aid identification of the source of its emission. Mandatory in the bands below 28 MHz, if t_call_sign is not provided. In other bands the field is optional.
t_site_name = CARDIFF	X	30 characters max	The name of the site where the transmitting antenna is located. Mandatory for actions ADD and MODIFY. For site names it is recommended to use upper-case letters A to Z and digits from 0 to 9 and space.
t_ctry = G	X	ITU symbol for the geographical area, up to 3 characters	ITU symbol designating the geographical area where the transmitting antenna is located. Mandatory for actions ADD and MODIFY.
t_long = -0034513	X	±DDDMMSS -1800000 to +1800000	The longitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY.
t_lat = +520851	X	±DDMMSS -900000 to +900000	The latitude of the transmitting antenna site. Mandatory for actions ADD and MODIFY.
t_stn_cls = FX	X	2 characters	The class of station from Section 6 of Chapter 4 of the Preface. The allowed symbols are FX, FA, FB, FC, FG, FD, FL, FP.
t_nat_srv = AS	X	2 characters	The two character code for the nature of service. Mandatory for actions ADD and MODIFY. Multiple t_nat_srv keys are possible. At least one of the nature of service symbols shall be AS. Other allowed values are AX, CO, CP, CR, CV, MX, OT, PX.
t_emi_cls = G7W--	X	Up to 5 characters	The class of emission according to Appendix 1 to the Radio Regulations. The first three characters are mandatory for actions ADD and MODIFY. The last two characters are optional.
t_bdwdth_cde = 32K0	X	4 characters	The four-character code for the necessary bandwidth. Mandatory for actions ADD and MODIFY.
t_op_hh_fr = 0000	X	0000 – 2359	The starting time for the hours of operation. Mandatory for actions ADD and MODIFY.
t_op_hh_to = 2400	X	0001 – 2400	The ending time for the hours of operation. Mandatory for actions ADD and MODIFY.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_op_agcy = 001	O	Section 3 of Chapter IV of the Preface, 3 characters	The symbol for the operating agency. Multiple t_op_agcy keys are possible.
t_addr_code = A	X	Section 3 of Chapter IV of the Preface, 2 characters	The symbol for the address of the administration responsible for the station.
t_remarks	O	80 characters	Any comment intended to assist the Bureau in processing the notice.
t_trg_adm_ref_id	+	20 characters max	The Administration's unique identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if the set of other identifying fields (t_trg_freq_assgn, t_trg_long, t_trg_lat, t_trg_stn_cls, t_trg_emi_cls, t_trg_bdwdth_cde, t_trg_op_hh_fr and t_trg_op_hh_to) is not notified.
t_trg_freq_assgn	+	Numeric value	The assigned frequency (MHz) of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. Allowed range is from 0.3 to 30
t_trg_long	+	±DDDMMSS -1800000 to +1800000	The longitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_lat	+	±DDMMSS -900000 to +900000	The latitude of the transmitter site of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_stn_cls	+	2 characters	The class of station of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified. The allowed symbols are FX, FA, FB, FC, FG, FD, FL, FP.
t_trg_emi_cls	+	5 characters	The class of emission of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_bdwdth_cde	+	4 characters	The four-character code for the necessary bandwidth of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
t_trg_op_hh_fr	+	0000 – 2359	The starting time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_trg_op_hh_to	+	0001 – 2400	The ending time of the hours of operation of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. Mandatory for actions MODIFY, SUPPRESS and WITHDRAW if t_trg_adm_ref_id is not notified.
<ANTENNA>	X	<ANTENNA>	Beginning of ANTENNA sub-section containing antenna information. There could be several ANTENNA sub-sections for 1 notice.
t_pwr_xyz = Y	X	X or Y or Z	The type of power according to Nos. RR 1.156 – 1.159. Mandatory for actions ADD and MODIFY.
t_pwr_ant = 15	+	Numeric, with + or – sign and 1 decimal, 5 characters	The power to the antenna (dBW). Mandatory for actions ADD and MODIFY if the radiated power is not notified.
t_pwr_dbw = 14	+	Numeric, with + or – sign and 1 decimal, 5 characters max	The radiated power (dBW). Mandatory for actions ADD and MODIFY if the power to antenna or the maximum antenna gain are not notified.
t_pwr_eiv = E	+	1 character, E	The type of radiated power. The possible value is E (e.r.p). Mandatory for actions ADD and MODIFY if the radiated power is notified
t_pwr_range = 10	O	Numeric, with 1 decimal, 8 characters max	Range of power control (dB) above the nominal power indicated in t_pwr_ant. Optional for actions ADD and MODIFY. Value should be between 0 and 20 dB.
t_ant_dir = D	X	D or ND	Indicates whether the antenna is directional (D) or non-directional (ND). Mandatory for actions ADD and MODIFY.
t_azm_max_e = 120	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the azimuth (degrees from True North) of maximum radiation. Mandatory for actions ADD and MODIFY if the antenna is directional and the azimuthal sector for rotatable antenna is not provided. Value should be between 0 and 359.9.
t_bmwdth	+	Numeric, with 1 decimal 5 characters max	For directional antennas, the beamwidth (degrees). Mandatory for actions ADD and MODIFY if the antenna is directional, except the case when the azimuthal sector for rotatable antenna is provided and it is equal to 0 – 360. Value should be between 0 and 360 inclusive.
t_gain_max = -1	+	Numeric, with 1 decimal 5 characters max	The maximum antenna gain (dB). Mandatory for actions ADD and MODIFY if the antenna is directional. For non-directional antenna, this data item is mandatory if the radiated power is not notified.
t_gain_type	+	D	The type of antenna gain relative to half-wave dipole "D". Mandatory if the maximum antenna gain is provided.
t_dist_max	O	Numeric, 8 characters max	Maximum length of the circuit (km) for non-circular receiving areas. Optional for actions ADD and MODIFY.
<ROTATIONAL>	+	<ROTATIONAL>	Beginning of ROTATIONAL sub-sub-section. This sub-sub-section is provided for actions ADD and MODIFY if the antenna described in an **ANTENNA** sub-section has rotating or swept beam.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
t_azm_fr = 20	+	Numeric, with 1 decimal, between 0 and 359.9 5 characters max	The starting azimuth (degrees from True North) for this azimuthal sector.
t_azm_to = 210	+	Numeric, with 1 decimal between 0.1 and 360 5 characters max	The ending azimuth (degrees from True North) for this azimuthal sector.
</ROTATIONAL>	+	</ROTATIONAL>	End of ROTATIONAL sub-sub-section.
<RX_STATION>	X	<RX_STATION>	Beginning of RX_STATION sub-sub-section. There may be several RX_STATION sub-sub-sections in ANTENNA sub-section.
t_geo_type = POINT	X	POINT or MULTIPOINT or ZONE or CIRCLE, 12 characters max	The type of geographic area describing the location of the receiving stations. The possible values are **POINT** when each of the receiving stations has a specified location (only for FX stations), **MULTIPOINT** when a number of receiving stations are located in an area described by a series of minimum 3 points, **ZONE** when the receiving stations are located in a standard zone or an ITU geographical area and **CIRCLE** when the area is specified as a circle.
t_site_name = NOTINGHAM	+	30 characters max	Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT.** Provided only for receiving stations in the fixed service (station class =FX)**.** The name of the location of the receiving station(s). For site names it is recommended to use upper-case letters A to Z and digits from 0 to 9 and space.
t_ctry = G	+	ITU symbols of geographical area up to 3 characters	Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT**. Provided only for receiving stations in the fixed service (station class =FX). ITU symbol designating the geographical area where the receiving station is located.
t_long = -0024513	+	±DDDMMSS -1800000 to +1800000	The longitude of the location of a receiving fixed station (for **t_geo_type** is equal to **POINT**) or the longitude of the center of the circular receiving area (for **t_geo_type** is equal to **CIRCLE**) Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT** or **CIRCLE**. Not provided when **t_geo_type** is equal to **MULTIPOINT** or **ZONE.** The longitude of the site of the receiving station.
t_lat = +531237	+	±DDMMSS -900000 to +900000	The lattitude of the location of a receiving fixed station (for **t_geo_type** is equal to **POINT**) or the lattitude of the center of the circular receiving area (for **t_geo_type** is equal to **CIRCLE**) Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **POINT** or **CIRCLE**. Not provided when **t_geo_type** is equal to **MULTIPOINT** or **ZONE.** The longitude of the site of the receiving station.
radius	+	Numeric, with 2 decimals, max 8 characters	Nominal radius of the circle receiving area (km). Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **CIRCLE**. Allowed values are from 0.01 to 20 000.

Section markers (in bold) and data items (values given as example only)	X/O/+/C	Permissible value(s)	Comments
zone_id = G	+	Up to 20 characters	The geographic area or standard area of location of receiving stations. Mandatory for actions ADD and MODIFY when **t_geo_type** is equal to **ZONE**. Not provided when **t_geo_type** is equal to **POINT** or **MULTIPOINT** or **CIRCLE.** Shall not be provided for FX and FD classes of stations. For FC and FP classes of station in the bands between 3 – 28 MHz t_zone_id shall be provided as maritime zone of type "MARxx". Shall not be provided for FC and FP classes of station in the bands outside 3 – 28 MHz.
<POINT>	+	<POINT>	Beginning of POINT sub-sub-sub-section describing the area of the location of receiving fixed stations. This sub-sub-sub-section is provided only when **t_geo_type** is equal to **MULTIPOINT**. **The area should be described by minimum 3 sets of geographical coordinates, so minimum 3 POINT sub-sub-sub-sections shall be present**.
t_long = +0020630	+	±DDDMMSS -1800000 to +1800000	Mandatory when **t_geo_type** is equal to **MULTIPOINT**. Not provided when **t_geo_type** is equal to **POINT.** The longitude of a point, which together with other points provided in this sub-sub-sub-section, describes the area of the location of receiving fixed stations.
t_lat = +530000	+	±DDMMSS -900000 to +900000	Mandatory when **t_geo_type** is equal to **MULTIPOINT**. Not provided when **t_geo_type** is equal to **POINT.** The latitude of a point, which together with other points provided in this sub-sub-sub-section, describes the area of the location of receiving fixed stations.
</POINT>	+	</POINT>	End of POINT sub-sub-sub-section.
</RX_STATION>	X	</RX_STATION>	End of RX_STATION sub-sub-section.
</ANTENNA>	X	</ANTENNA>	End of ANTENNA sub-section.
<COORD >	+	<COORD>	Beginning of COORD sub-section if coordination has been successfully completed with one or more administrations
t_adm = F	+	ITU symbol up to 3 characters	ITU symbols designating the administrations with which coordination has been successfully completed. Required for actions ADD and MODIFY, if coordination is necessary and successfully completed.
</COORD>	+	</COORD>	End of COORD sub-section.
</NOTICE>	X	<NOTICE>	End of NOTICE section for the first notice.
<NOTICE>	X	<NOTICE>	Beginning of NOTICE section for the second notice.
</NOTICE>	X	</NOTICE>	End of NOTICE section for the second notice.
<TAIL>	X	<TAIL>	Beginning of TAIL section indicating the total number of notices in the notification file.
t_num_notices = 2		Integer	The number of notices contained in the file.
</TAIL>		</TAIL>	End of TAIL section. End of the notification file.

PART 3

Samples of electronic notices and files

1. Sample of T11 notice

<HEAD>
t_char_set=ISO-8859-1
t_email_addr=anfr@anfr.fr
t_d_sent=2008-03-03
t_adm=F
</HEAD>
<NOTICE>
t_notice_type=T11
t_fragment=NTFD_RR
t_d_adm_ntc=2008-03-03
t_action=ADD
t_adm_ref_id=628001
t_freq_assgn=3624.0
t_long=+0014415
t_lat=+473629
t_stn_cls=FX
t_emi_cls=F9WWT
t_bdwdth_cde=30M0
t_op_hh_fr=00:00
t_op_hh_to=24:00
t_prov=RR11.2
t_d_inuse=2003-09-15
t_is_resub=false
t_addr_code=A
t_ctry=F
t_site_name=VILLENY3
t_site_alt=126
t_nat_srv=CP
t_op_agcy=010
<ANTENNA>
t_pwr_xyz=Y
t_pwr_ant=6.0
t_pwr_dbw=42.5
t_pwr_eiv=I
t_ant_dir=D
t_azm_max_e=35.1
t_bmwdth=0.8
t_gain_type=I
t_gain_max=36.5
t_ant_ref=17
t_elev=0.0
t_polar=H
t_hgt_agl=55
t_dist_max=49
<RX_STATION>

t_geo_type=POINT
t_noise_temp=961.0
t_site_name=TRAINOU1
t_ctry=F
t_long=+0020645
t_lat=+475754
</RX_STATION>
</ANTENNA>
<ANTENNA>
t_pwr_xyz=Y
t_pwr_ant=6.0
t_pwr_dbw=41.0
t_pwr_eiv=I
t_ant_dir=D
t_azm_max_e=240.2
t_bmwdth=3.6
t_gain_type=I
t_gain_max=39.0
t_ant_ref=17
t_elev=0.0
t_polar=H
t_hgt_agl=55
t_dist_max=54
<RX_STATION>
t_geo_type=POINT
t_site_name=CHISSAY EN TOURAINE2
t_ctry=F
t_long=+0010715
t_lat=+472202
</RX_STATION>
</ANTENNA>
</NOTICE>
<TAIL>
t_num_notices = 1
</TAIL>

2. Sample of T12and T13 electronic notices (combined into one file)

<HEAD>
t_d_sent=2010-01-05
t_adm= IRN
t_email_addr=zomorodi@cra.ir
</HEAD>
<NOTICE>
t_notice_type=T12
t_fragment=NTFD_RR
t_action=ADD
t_prov=RR11.2
t_is_resub=FALSE
t_d_adm_ntc=2010-01-05
t_adm_ref_id=VT881014FB001

t_freq_assgn=151.75
t_stn_cls=FB
t_nat_srv=CP
t_bdwdth_cde=12K5
t_emi_cls=F3EJN
t_op_hh_fr=00:00
t_op_hh_to=23:59
t_d_inuse =2006-04-21
t_call_sign=9CQ261
t_site_name=ISFAHAN
t_ctry=IRN
t_long=+0514100
t_lat=+335250
t_site_alt=+1000
t_addr_code=A
t_op_agcy=001
<ANTENNA>
t_pwr_xyz=Y
t_pwr_ant=8.5
t_pwr_dbw=13.5
t_pwr_eiv=E
t_ant_dir=ND
t_gain_max=6
t_gain_type=D
t_elev=0
t_hgt_agl=30
<RX_STATION>
t_geo_type=MULTIPOINT
<POINT>
t_lat=+332500
t_long=+0515610
</POINT>
<POINT>
t_lat=+334215
t_long=+0521620
</POINT>
<POINT>
t_lat=+340345
t_long=+0510435
</POINT>
<POINT>
t_lat=+340952
t_long=+0514650
</POINT>
<POINT>
t_lat=+343000
t_long=+0505230
</POINT>
<POINT>
t_lat=+343730
t_long=+0511640

</POINT>
</RX_STATION>
</ANTENNA>
</NOTICE>
<NOTICE>
t_notice_type=T13
t_fragment=NTFD_RR
t_action=ADD
t_prov=RR11.9
t_is_resub=FALSE
t_d_adm_ntc=2010-01-05
t_adm_ref_id=VT881014ML001
t_freq_assgn=151.75
t_stn_cls=ML
t_nat_srv=CP
t_bdwdth_cde=12K5
t_emi_cls=F3EJN
t_op_hh_fr=00:00
t_op_hh_to=23:59
t_d_inuse =2006-04-21
t_site_name=ISFAHAN
t_ctry=IRN
t_long=+0514100
t_lat=+335250
t_addr_code=A
t_op_agcy=001
<ANTENNA>
t_pwr_xyz=Y
t_pwr_ant=10.5
t_pwr_dbw=13.0
t_pwr_eiv=E
<TX_STATION>
t_geo_type=CIRCLE
t_long=+0513211
t_lat=+335800
t_radius=10
</TX_STATION>
</ANTENNA>
</NOTICE>
<TAIL>
t_num_notices=2
</TAIL>

3. Sample of T14 electronic notice

<HEAD>
t_adm=CAN
t_d_sent=2010-10-14
</HEAD>
<NOTICE>
t_notice_type=T14

t_fragment=NTFD_RR
t_action=ADD
t_adm_ref_id=26033863001
t_freq_assgn=5.054400
t_long=-0654234
t_lat=+660841
t_emi_cls=J3EJN
t_freq_carr=5.053000
t_d_inuse=2009-04-29
t_bdwdth_cde=2K80
t_radius=250.000
t_d_adm_ntc=2010-10-20
t_addr_code=B
t_prov=RR11.17
t_op_hh_to=24:00
t_op_hh_fr=00:00
t_geo_type=CIRCLE
t_stn_cls=FX
t_nat_srv=CV
t_op_agcy=014
<ANTENNA>
t_pwr_xyz=X
t_gain_type=D
t_gain_max=0
t_pwr_eiv=E
t_pwr_dbw=9.4
t_pwr_ant=9.4
</ANTENNA>
</NOTICE>
<TAIL>
t_num_notices=1
</TAIL>

4. Sample of T15 electronic notice

<HEAD>
t_adm=SUI
t_d_sent=2010-04-06
t_email_addr=urs.thomi@bakom.admin.ch
</HEAD>
<NOTICE>
t_notice_type=T15
t_fragment=AP25
t_prov=AP25/1.25
t_action=MODIFY
t_trg_emi_cls=J3E--
t_trg_op_hh_fr=19:00
t_trg_op_hh_to=02:00
t_trg_stn_cls=FC
t_trg_zone_id=SUI

t_trg_chn_no=422
t_trg_bdwdth_cde=2K80
t_emi_cls=J2D--
t_op_hh_fr=00:00
t_op_hh_to=24:00
t_stn_cls=FC
t_zone_id=SUI
t_chn_pref=422
t_bdwdth_cde=2K80
t_d_inuse=2010-08-01
t_d_adm_ntc=2010-04-06
t_traffic=240
t_nat_srv=CP
<COAST_STATION>
t_long=+0061504
t_lat=+462425
t_site_name=PRANGINS
</COAST_STATION>
<PEAK_HOURS>
t_peak_hh_fr=19:00
t_peak_hh_to=02:00
</PEAK_HOURS>
<ANTENNA>
t_pwr_xyz=X
t_ant_dir=D
t_gain_type=D
t_gain_max=8
t_dist_max=4000
t_bmwdth=30
t_pwr_ant=37
<ROTATIONAL>
t_azm_to=360
t_azm_fr=0
</ROTATIONAL>
<RX_STATION>
t_zone_id=MAR15
t_geo_type=ZONE
</RX_STATION>
<RX_STATION>
t_zone_id=MAR16
t_geo_type=ZONE
</RX_STATION>
</ANTENNA>
</NOTICE>
<TAIL>
t_num_notices=1
</TAIL>

5. Sample of T16 electronic notice

<HEAD>
t_char_set=ISO-8859-1
t_d_sent=2010-07-17
t_adm=HNG
</HEAD>
<NOTICE>
t_notice_type=T16
t_d_adm_ntc=2008-07-17
t_fragment=GE85M
t_trg_freq_assgn=0.43000000
t_trg_long=+0194100
t_trg_lat=+464100
t_trg_stn_cls=AL
t_trg_emi_cls=A2A
t_trg_bdwdth_cde=2K14
t_trg_op_hh_fr=00:00
t_trg_op_hh_to=24:00
t_freq_assgn=0.43000000
t_prov=GE85(R1-AER)
t_adm_ref_id=08HNG10868-20
t_ctry=HNG
t_site_name=BUGAC
t_nat_srv=RC
t_action=MODIFY
t_stn_cls=AL
t_emi_cls=A2AAN
t_bdwdth_cde=2K14
t_long=+0194100
t_lat=+464100
t_op_hh_fr=00:00
t_op_hh_to=24:00
<ANTENNA>
<RX_STATION>
t_geo_type=CIRCLE
t_long=+0194100
t_lat=+464100
t_radius=111
</RX_STATION>
</ANTENNA>
</NOTICE>
<TAIL>
t_num_notices=1
</TAIL>