T12 – Electronic file format and item keys for the notification of a terrestrial transmitting station
(Except station in the fixed, LF/MF/VHF/UHF broadcasting services or typical station)

Symbols used in the table

X	Item key is mandatory
+	Item key is mandatory under specified conditions
O	Item key is optional
	Indicates that the Item key is not applicable

Item Ref (AP4)	Section tag/ Item key	Add/ Modify	Suppress/ Withdraw	Data Format/ Acceptable value(s)	Description of the item key	Comments
	<HEAD>	X	X		Beginning of the HEAD section	**<HEAD>** section shall be unique in the file. This section indicates the beginning of the electronic notice file
	t_char_set	O	O	ISO-8859-1	Character Set used in the file	
	t_d_sent	O	O	YYYY-MM-DD	The date of sending the notice.	
B	t_adm	X	X	Preface to the BR IFIC, Chapter IV, Section 1	Notifying Administration	
	t_email_addr	O	O	30 characters	Electronic mail address of the notifier	
	</HEAD>	X	X		End of the HEAD section	Section must end with **</HEAD>** and there shall be only one
	<NOTICE>	X	X		Beginning of NOTICE section	No limit in the number of **<NOTICE>** sections within the file. Each **<NOTICE>** section contains all the required item keys for notification
	t_notice_type	X	X	T12	Notice Type	
	t_d_adm_ntc	O	O	YYYY-MM-DD	Date of Notice	The date given by the administration to this notice, which may be different to t_d_sent.
	t_fragment	X	X	NTFD_RR, Req_agrt, GE85N	Fragment	The part of the database to be updated **NTFD_RR** – For Recording in MIFR (Art.11); **Req_agrt**: – For coordination procedure of No. **9.21**. **GE85N** – For SUPPRESSION of a GE85N Plan assignment.
D	t_prov	X		RR11.2, RR9.21, GE85N	Provision Code of the RR under which the notice has been submitted	**RR11.2**: For recording in the MIFR. **RR9.21**: Prior coordination before notifying under RR11.2 (Art. 9 of RR) **GE85N**: For SUPPRESSION of a GE85N Plan assignment
	t_action	X	X	ADD, MODIFY, SUPPRESS, WITHDRAW	Action to be taken regarding this notice	
ID1	t_adm_ref_id	O		20 characters	Unique Identification Code given by the Administration to the Assignment	It is used to uniquely identify the frequency assignment and **the uniqueness shall be managed by the administration**
1A	t_freq_assgn	X		0.0083 –275 000 MHz	Assigned Frequency, as defined in Art. 1 of the RR	T12 notice is not receivable within the GE06 planning area and bands. **Identifying element of the notice**
1B	t_freq_carr	X		0.0083 –275 000 MHz	Reference (carrier) frequency	If **Reference Frequency** is different from the centre of the **Assigned Frequency** and if the first symbol in the class of emission is C, H, J or R
2C	t_d_inuse	X		YYYY-MM-DD	Date (actual or foreseen, as appropriate) of Bringing the frequency assignment (new or modified) into Use.	The notices shall reach the Bureau as specified in Nos. **11.24** – **11.26A** of the RR. Assignments can be notified after bringing into use without limitations
3A1	t_call_sign	+		7 characters max	Call Sign used in accordance with Art.**19** of the RR - **Multiple key**	Mandatory for all valid classes of station for T12, except BC, AL, NL and RN, and t_station_id is not provided. For station class LR mandatory within frequency band 3-44 MHz and if t_station_id is not provided.

Item Ref (AP4)	Section tag/ Item key	Add/ Modify	Suppress/ Withdraw	Data Format/ Acceptable value(s)	Description of the item key	Comments
3A2	t_station_id	+		20 characters	Station identification. The information transmitted by the radio station to aid identification of the source of its emission	Mandatory for all valid classes of station for T12, except BC, AL, NL and RN, and t_call_sign is not provided. For station class LR mandatory within frequency band 3-44 MHz and if t_call_sign is not provided
4A	t_site_name	X		30 characters	Name of the Locality where the transmitting station is situated	It may contain any printable characters
4B	t_ctry	X		Preface to the BR IFIC, Chapter IV, Section 2	Geographical Area in which the transmitting station is located	It shall be under the jurisdiction of the notifying administration
4C	t_long	X		±DDDMMSS -1800000 to +1800000	Longitude of the Transmitting Site	**Identifying element of the notice**
4C	t_lat	X		±DDMMSS -900000 to +900000	Latitude of the Transmitting Site	**Identifying element of the notice**
E	t_is_resub	+		TRUE, FALSE	Resubmission Indicator	For notices returned in accordance with Nos. **11.41**,**11.43** or **11.43D** of the RR. Only applies for those bands shared between terrestrial and space services and allocated to space services in space-to-Earth direction and only within 6 months from the date of return of the original notice. The new notice must refer to the original notice by indicating the BR ID and the BR IFIC number in which the original notice was published in Part 3 in the Remark's field (t_remarks)
6A	t_stn_cls	X		AL, BC, FA, FB, FC, FD, FG, FL, FP, LR, NL, OE, RN, SM, SS, BC	Class of Station	BC is accepted only in non-planned bands below 28 MHz Preface to the BR IFIC, Chapter IV, Section 6 **Identifying element of the notice**
6B	t_nat_srv	X		AS, CO, CP, CR, CV, FS, HP, OT, RC, RD, RG, RT, IM	Nature of Service – **Multiple key**	Preface to the BR IFIC, Chapter IV, Section 7 IM can only be notified within the bands identified for the use of IMT
7A	t_emi_cls	X		Preface to the BR IFIC, Chapter IV, Section 14	Class of Emission	The last two characters are optional. **Identifying element of the notice**
7AB	t_bdwdth_cde	X		Preface to the BR IFIC, Chapter IV, Section 14	Necessary Bandwidth Code	**Identifying element of the notice**
10B	t_op_hh_fr	X		HHMM 0000 to 2359	Regular Hours of Operation of the frequency assignment, in UTC	Start time of the regular hours (UTC) of operation of the frequency assignment **Identifying element of the notice**
10B	t_op_hh_to	X		HHMM 0001 to 2400	Regular Hours of Operation of the frequency assignment, in UTC	Stop time of the regular hours (UTC) of operation of the frequency assignment **Identifying element of the notice**
9EA	t_site_alt	+		-1000 to +8850 metres	Altitude of the Site above mean Sea level	Mandatory, if notified in bands shared between terrestrial and space services
12A	t_op_agcy	O		3 digits	Symbol for the Operating Agency - **Multiple key**	Preface to the BR IFIC, Chapter IV, Section 3
12B	t_addr_code	X		1 character	Symbol for the Address of the administration responsible for the station and to which communication should be sent on urgent matters regarding interference, quality of emissions and questions referring to the technical operation of the circuit	Preface to the BR IFIC, Chapter IV, Section 3
11F	t_in_accord_with_ ITU_purposes	+		TRUE, FALSE	Recognition of Accordance with ITU Purposes).	Mandatory, if the Class of Station is FD and the notified frequency band is situated wholly or partially within the frequency band 5030 - 5091 MHz.
O-ID1	t_trg_adm_ref_id	+	+	20 characters max	Unique Identification Code of the Assignment to be modified/removed	Mandatory, for MODIFY, SUPPRESS and WITHDRAW,if 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 are not provided
O-1A	t_trg_freq_assgn	+	+	0.0083 –275 000 MHz	Assigned Frequency of the Assignment to be modified/removed	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided
O-4C	t_trg_long	+	+	±DDDMMSS -1800000 to +1800000	Longitude of the Transmitter site of the assignment to be modified/removed.	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided
O-4C	t_trg_lat	+	+	±DDMMSS -900000 to +900000	Latitude of the Transmitter site of the assignment to be modified/removed	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided

Item Ref (AP4)	Section tag/ Item key	Add/ Modify	Suppress/ Withdraw	Data Format/ Acceptable value(s)	Description of the item key	Comments
O-6A	t_trg_stn_cls	+	+	AL, BC, FA, FB, FC, FD, FG, FL, FP, LR, NL, OE, RN, SM, SS, BC	Class of Station of the assignment to be modified/removed	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided
O-7A	t_trg_emi_cls	+	+	Preface to the BR IFIC, Chapter IV, Section 14	Class of Emission of the assignment to be modified/removed.	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided
O-7AB	t_trg_bdwdth_cde	+	+	Preface to the BR IFIC, Chapter IV, Section 14	Necessary bandwidth code of the assignment to be modified/removed	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided
O-10B	t_trg_op_hh_fr	+	+	0000 – 2359	Regular Hours of Operating of the assignment to be modified/removed	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided
O-10B	t_trg_op_hh_to	+	+	0001 – 2400	Regular Hours of Operating of the assignment to be modified/removed	Mandatory for MODIFY, SUPPRESS and WITHDRAW, if t_trg_adm_ref_id is not provided
13C	t_remarks	O	O		Any comment designed to assist the Bureau in processing the notice- **Multiple key**	There is no limit on the number of characters per line.
	<ANTENNA>	X			Beginning of **ANTENNA** sub-section containing, antenna information	There could be several **<ANTENNA>** sub-sections within the **<NOTICE>** section
8	t_pwr_xyz	X		Preface to the BR IFIC, Chapter IV, Section 8	Type of Power	The type of power according to Nos. RR 1.156 – 1.159
8AA	t_pwr_ant	+		-70 – 70 dBW	Power to the Antenna	Mandatory in case of bands: • below 28 MHz for all services except the radio navigation service • listed in Table **21-2** of the RR Article **21** for mobile services • listed in Nos. **5.451, 5.514** and **5.542** of the RR • above 28 MHz for the aeronautical mobile and the meteorological aids services
8B	t_pwr_dbw	+		-30 – 99 dBW	Radiated power	Mandatory in case of bands: • below 28 MHz for the radio navigation service • above 28 MHz for all services except the aeronautical mobile and the meteorological aids services and • above 28 MHz for the aeronautical mobile and the meteorological aids services if t_gain_max is not notified
	t_pwr_eiv	+		E, I, V	Type of Radiated Power, as in Nos. **1.161** – **1.163** of the RR	E (e.r.p), I (e.i.r.p) and V (e.m.r.p). Mandatory, if the radiated power is notified
9	t_ant_dir	X		D, ND	Indicator of the Antenna Directivity	Directionnel (D) or non-directionnel (ND)
9A	t_azm_max_e	+		0 – 359.999 degrees	Azimuth (degrees from True North) of maximum radiation.	Mandatory, if the antenna is directional and the azimuthal sector for rotatable antenna is not provided.
9C	t_bmwdth	+		0 – 359.999 degrees	Beamwidth	Mandatory, if the antenna is directional, except if the azimuthal sector for rotatable antenna is provided and it is equal to 0 – 360, then its optional
9G	t_gain_max	+		-10 – 70 dB	Maximum antenna gain	Mandatory, if the antenna is directional. For non-directional, this data item is mandatory depending on the t_pwr_ant, t_pwr_dbw, t_ant_dir and t_freq_assgn
	t_gain_type	+		I, D, V	Type of antenna gain	Mandatory if antenna gain is provided. **I**: relative to isotropic antenna and applies only to shared bands. **D**: relative to half-wave dipole in all other bands; V in the bands governed by Regional agreements **GE85M** and **GE85N**
9B	t_elev	+		-90 – 90 degrees	Elevation angle of maximum directivity.	Mandatory, if notified in bands shared with space services
9E	t_hgt_agl	+		- 100 – 800 meters	Height of transmitting antenna above ground level	Mandatory, if notified in bands shared with space services. If the **Class of Station** is **FB** and nature of service is HP and assign frequency falls within the frequency bands covered by **Res 221**, the value should be between 20000 and 50000
9J	t_ant_ref	O		12 characters	Reference antenna	
5G	t_dist_max	+		0 – 20 000 km	Maximum length of the circuit (km) for non-circular receiving areas.	Notified only for HF bands

Item Ref (AP4)	Section tag/ Item key	Add/ Modify	Suppress/ Withdraw	Data Format/ Acceptable value(s)	Description of the item key	Comments
	<ROTATIONAL>	+			Beginning of **ROTATIONAL** sub-sub-section. Only for rotating or swept beams	Mandatory, if Antenna Directivity is directional and the Azimuth of the Maximum Radiation is not provided. There may be several **<ROTAIONAL>** sub-sub sections within an **<ANTENNA>** sub-section
9AB1	t_azm_fr	+		0 – 359.999 degrees	The starting azimuth (degrees from True North) for this azimuthal sector	
9AB2	t_azm_to	+		0 – 359.999 degrees	The ending azimuth (degrees from True North) for this azimuthal sector	
	</ROTATIONAL>	+			End of **ROTATIONAL** sub-sub-section	Sub-Sub-Section must end with **</ ROTAIONAL>**
	<RX_STATION>	X			Beginning of **RX_STATION** sub-sub-section, containing the location of RX station	At least one **<RX_STATION>** sub-sub-sections within an **<ANTENNA >**
	t_geo_type	X		CIRCLE, MULTIPOINT, ZONE	Type of Geographic Area describing the location of the receiving stations	**CIRCLE:** area is specified as a circle **MULTIPOINT**: within a given area is delimited by at least 3 points **ZONE:** area is specified as a standard area or ITU geographic area
5C	t_long	+		±DDDMMSS -1800000 to +1800000	Longitude of the center of the circle of the receiving area	Mandatory, only if **t_geo_type** is equal to **CIRCLE** and shall not be notified for others
5C	t_lat	+		±DDMMSS -900000 to +900000	Latitude of the center of the circle of the receiving area	Mandatory, only if **t_geo_type** is equal to **CIRCLE** and shall not be notified for others
5F	t_radius	+		0.01 – 20 000 km	Nominal radius of the circle receiving area	Mandatory, only if **t_geo_type** is equal to **CIRCLE** and shall not be notified for others
5D	t_zone_id	+		20 characters	The geographic area or standard area of location of receiving stations	Mandatory, only if **t_geo_type** is equal to **ZONE** and shall not be notified for others
	<POINT>	+			Beginning of **POINT** sub-sub-sub-section, describing each point of the area	<POINT> sub-sub-sub-section is only provided if **t_geo_type** is **MULTIPOINT**. There shall be **minimum 3 POINT** sub-sub-sub-sections within **<RX_STATION>**
5CA	t_long	+		±DDDMMSS -1800000 to +1800000	Longitude of a point	Mandatory, only if **t_geo_type** is equal to **MULTIPOINT** and shall not be notified for others
5CA	t_lat	+		±DDMMSS -900000 to +900000	Latitude of a point	Mandatory, only if **t_geo_type** is equal to **MULTIPOINT** and shall not be notified for others
	</POINT>	+			End of **POINT** sub-sub-sub-section, indicates the end of the point	Sub-Sub-Sub-Section must end with **</POINT>**
	</RX_STATION>	X			End of **RX_STATION** sub-sub-section.	Sub-Sub-Section must end with **</RX_STATION>**
	</ANTENNA>	X			End of **ANTENNA** sub-section.	Sub-Section must end with **</ANTENNA >**
	<COORD >	+			Beginning of **COORD** sub-section	**<COORD>** sub-section shall be unique within the **<NOTICE>** section
	t_adm	+		Preface to the BR IFIC, Chapter IV, Section 1	Symbol of each administration with which coordination has been successfully effected	Repeat as appropriate
	</COORD>	+			End of **COORD** sub- section.	Sub-section must end with **</COORD>**
	</NOTICE>	X	X		End of **NOTICE** section.	Section must end with **</NOTICE>**. This indicates the end of all the required item keys for the notification
	<TAIL>	X	X		Beginning of **TAIL** section	**<TAIL>** section shall be unique in the file. This section indicates the end of the electronic notice file
	t_num_notices	X	X	integer	Total number of notices in the file	There is no limit in the number of notices per file
	</TAIL>	X	X		Section must end with **</TAIL>**	End of **</TAIL>** section