# T02 – Electronic notice file format and item keys for the notification of a VHF/UHF television broadcasting assignment

**Symbols used in the table**

| | |
|---|---|
| X | Item key is mandatory |
| + | Item key is mandatory under specified conditions |
| O | Item key is optional |
| C | Mandatory if used as a basis to effect coordination with another administration |
| | Indicates that the Item key is not applicable |

| Item No in AP4 | Section tag/ Item key | MIFR | GE89 | ST61 | 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 | O | ISO-8859-1 | Character Set used in the file | |
| B | t_adm | X | X | X | Preface to the BR IFIC, Chapter IV, Section 1 | Notifying administration | |
| | t_email_addr | O | O | O | 30 characters | Electronic mail address of the notifier | |
| | **</HEAD>** | X | X | X | | End of the HEAD section | Section must end with **</HEAD>** |
| | **<NOTICE>** | X | 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 | X | T02 | Notice type | T02 is for analogue or digital television stations |
| | t_fragment | X | X | X | NTFD_RR, GE89, ST61 | Fragment | The part of the database to be updated NTFD_RR – For Recording in the MIFR (Art.11); GE89 or ST61 – For Updating the Plan |
| D | t_prov | X | | | RR11.2/ RR9.21 | 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) |
| | t_action | X | X | X | ADD, MODIFY | Action to be taken regarding this notice | |
| ID1 | t_adm_ref_id | O | O | 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 | X | X | 30 – 960 MHz | Assigned frequency, as defined in Art. 1 of the RR | Notified in MHz- **Identifying element of the notice** |
| 4C | t_long | X | X | X | ±DDDMMSS -1800000 to +1800000 | Longitude of the Transmitting Site | **Identifying element of the notice** |
| 4C | t_lat | X | X | X | ±DDMMSS -900000 to +900000 | Latitude of the Transmitting Site | **Identifying element of the notice** |
| O-ID1 | t_trg_adm_ref_id | + | + | + | 20 characters | Unique Identification Code of the Assignment to be modified | Applies to action MODIFY. It can only be notified, if notified previously and **t_trg_freq_assgn, t_trg_long and t_trg_lat are not provided. Identifying element of the recorded assignment** |
| O-1A | t_trg_freq_assgn | + | + | + | 30 – 960 MHz | Assigned Frequency of the Assignment to be modified | Applies to action MODIFY. **Mandatory if t_trg_adm_ref_id is not provided. Identifying element of the recorded assignment** |
| O-4C | t_trg_long | + | + | + | ±DDDMMSS -1800000 to +1800000 | Longitude of the Transmitter site of the assignment to be modified | Applies to action MODIFY. **Mandatory if t_trg_adm_ref_id is not provided. Identifying element of the recorded assignment** |
| O-4C | t_trg_lat | + | + | + | ±DDMMSS -900000 to +900000 | Latitude of the Transmitter site of the assignment to be modified | Applies to action MODIFY. **Mandatory if t_trg_adm_ref_id is not provided. Identifying element of the recorded assignment** |
| 3A1 | t_call_sign | O | O | O | 7 characters | Call Sign used in accordance with Art. 19 of the RR | It shall be in accordance with Art. 19 of the RR and AP42 to the RR |
| 3A2 | t_station_id | O | O | O | 10 characters | Station identification | It may contain any printable characters |

| Item No in AP4 | Section tag/ Item key | MIFR | GE89 | ST61 | Data Format/ Acceptable value(s) | Description of the item key | Comments |
|---|---|---|---|---|---|---|---|
| 1E | t_oset_v_12 | + | + | + | − 36 to + 36 | Vision Carrier Frequency Offset, in multiples of 1/12 of the line frequency of the television system concerned, expressed by a number (positive or negative) | If t_oset_v_khz, **is not provided**. Mandatory for GE89; for ST61- only for high power stations; NTFD_RR - if notified within either GE89 or ST61 (high power stations), if not optional. Not applicable for digital television |
| 1E1 | t_oset_v_khz | + | + | + | − 50.000 to + 50.000 | Vision Carrier Frequency Offset, in kHz, expressed by a number (positive or negative) | If t_oset_v_12, **is not provided.** . Mandatory for GE89; for ST61- only for high power stations; NTFD_RR - if notified within either GE89 or ST61 (high power stations), if not optional. Not applicable for digital television |
| 1EA | t_oset_s_12 | + | + | + | − 36 to + 36 | Sound Carrier Frequency Offset, in multiples of 1/12 of the line frequency of the television system concerned, expressed by a number (positive or negative) | If Sound Carrier Frequency Offset is different from Vision Carrier Frequency Offset. Only, if t_oset_s_khz, **is not provided** Mandatory for GE89; for ST61- only for high power stations; NTFD_RR - if notified within either GE89 or ST61 (high power stations), if not optional. Not applicable for digital television |
| 1E1A | t_oset_s_khz | + | + | + | − 50.000 to + 50.000 | Sound Carrier Frequency Offset, in kHz, expressed by a number (positive or negative) | If Sound Carrier Frequency Offset is different from Vision Carrier Frequency Offset. Only, if t_oset_s_12, **is not provided**. Mandatory for GE89; for ST61- only for high power stations; NTFD_RR - if notified within either GE89 or ST61 (high power stations), if not optional. Not applicable for digital television |
| 1EO | t_offset | X | | | − 195 to + 195 | Frequency offset, in kHz. The offset of the centre frequency of the emission from the Assigned Frequency | If not provided, the default value shall be applied 0.000kHz. Not applicable for analogue television |
| 2C | t_d_inuse | X | | | YYYY-MM-DD | Date (actual or foreseen, as appropriate) of Bringing the frequency assignment (new or modified) into Use | Maximum 3 months in advance |
| 4A | t_site_name | X | X | X | 30 characters | Name of the locality where the transmitting station is situated | |
| 4B | t_ctry | X | X | 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 |
| 7A1 | t_freq_stabl | + | X | X | RELAXED, NORMAL, PRECISION | Code describing the Frequency Stability | For fragment NTFD_RR mandatory if within either GE89 or ST61. The value RELAXED is acceptable if the power of the stations does not exceed 17 dBW (50W) within the frequency band 29.7 to 100MHz and 20dBW (100W) within the frequency band 100 – 960MHz (see note 24 of the Appendix 2 to the RR). Not applicable for digital television |
| 7C1 | t_tran_sys | X | X | X | Preface to the BR IFIC, Chapter IV, Section 8 | Code identifying the Television System | |
| 7C2 | t_color | + | X | X | NTSC, PAL, SECAM | Code corresponding to the Colour System | For fragment NTFD_RR mandatory if notified within either GE89 or ST61. Not applicable for digital television |
| 7A | t_emi_cls | + | | | Preface to the BR IFIC, Chapter IV, Section 9 | Class of Emission | Not applicable for digital television |
| 7AB | t_bdwdth | + | | | Preface to the BR IFIC, Chapter IV, Section 9 | Necessary Bandwidth | Not applicable for digital television |
| 8BH | t_erp_h_dbw | + | + | + | ≤ 67.0 | Maximum Effective Radiated Power, in dBW, of the horizontally polarized component | Mandatory, if the Polarization is Horizontal or Mixed |
| 8BV | t_erp_v_dbw | + | + | + | ≤ 67.0 | Maximum Effective Radiated Power, in dBW, of the vertically polarized component | Mandatory, If the Polarization is Vertical or Mixed |
| 8D | t_pwr_ratio | + | X | X | 7 to 16 dB | Vision-to-Sound Carrier Power Ratio, in dB | For Fragment NTFD_RR mandatory if notified within either GE89 or ST61 Not applicable for digital television |
| 9 | t_ant_dir | X | X | X | D, ND | Indicator of the Antenna Directivity | Directionnel (D) or non-directionnel (ND) |
| 9D | t_polar | X | X | X | H, V, M | Code indicating the Type of Polarization | H – horizontal, or V – vertical, or M – mixed) |
| 9E | t_hgt_agl | + | X | X | Integer, between 1 and 800 m | Height of the Antenna above Ground Level, in meters | For Fragment NTFD_RR mandatory if notified within either GE89 or ST61, if not optional |
| 9EA | t_site_alt | + | X | X | Integer, between − 1000 and 8850 m | Altitude of the Site above mean Sea Level | For Fragment NTFD_RR mandatory if notified within either GE89 or ST61, if not optional |

| Item No in AP4 | Section tag/ Item key | MIFR | GE89 | ST61 | Data Format/ Acceptable value(s) | Description of the item key | Comments |
|---|---|---|---|---|---|---|---|
| 9EB | t_eff_hgtmax | X | X | X | Integer, between -3000 and 3000. | Maximum effective height of the antenna, in metres, above the mean level of the ground between 3 and 15 km from the transmitting antenna | It shall be equal to, or greater than, the maximum of the values in the effective antenna height diagram |
| 12A | t_op_agcy | O | | | 3 digits | Symbol for the Operating Agency | 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 |
| 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 |
| 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 |
| 13C | t_remarks | O | O | O | Characters | Any comment designed to assist the Bureau in processing the notice | There is no limit on the number of characters per line. There could be more than one key |
| | <ANT_HGT> | + | X | X | | Beginning of ANT_HGT sub-section containing effective antenna heights | <ANT_HGT> sub-section shall be unique within the <NOTICE> section |
| 9EC | t_eff_hgt@azmzzz | X | X | X | Integer, between − 3000 and 3000 m | Effective height of the antenna, in metres, above the mean level of the ground between 3 and 15 km from the transmitting antenna, at 36 different azimuths in 10° intervals (i.e. 0°, 10°, ..., 350°), measured in the horizontal plane from True North in a clockwise direction | Maximum value of the height should not exceed t_eff_hgtmax. For fragment NTFD_RR mandatory, if notified within either GE89 or ST61, if not optional. |
| | </ANT_HGT> | + | X | X | | End of ANT_HGT sub-section | Sub-section must end with </ANT_HGT> |
| | <ANT_DIAGR_H> | + | + | + | | Beginning of ANT_DIAGR_H sub-section containing attenuation of the horizontal polarized component | Mandatory, if Polarization is either Horizontal or Mixed and Antenna Directivity is directional. <ANT_DIAGR_H> shall be unique within the <NOTICE> section |
| 9NH | t_attn@azmzzz | + | + | + | 0.0 to 40.0 dB | Value of attenuation of the horizontally polarized component, at 36 different azimuths in 10°intervals (i.e. 0°, 10°, ..., 350°), measured in the horizontal plane from True North in a clockwise direction, with respect to the maximum effective radiated power of this component, in dB | At least one value of the attenuation diagram shall be equal to 0 |
| | </ANT_DIAGR_H> | + | + | + | | End of ANT_DIAGR_H sub-section | Sub-section must end with |
| | <ANT_DIAGR_V> | + | + | + | | Beginning of ANT_DIAGR_V sub-section containing attenuation of the vertical polarized component | Mandatory, if Polarization is Vertical or Mixed and Antenna Directivity is directional. <ANT_DIAGR_V> sub-section shall be unique within the <NOTICE> section |
| 9NV | t_attn@azmzzz | + | + | + | 0.0 to 40.0 dB | Value of attenuation of the vertically polarized component, at 36 different azimuths in 10° intervals (i.e. 0°, 10°, ..., 350°), measured in the horizontal plane from True North in a clockwise direction, with respect to the maximum effective radiated power of this component, in dB | At least one value of the attenuation diagram shall be equal to 0 |
| | </ANT_DIAGR_V> | + | + | + | | End of ANT_DIAGR_V sub-section | Sub-section must end with |
| | <COORD> | O | C | C | | Beginning of COORD sub-section | <COORD> sub-section shall be unique within the <NOTICE> section |
| 11 | t_adm | + | + | + | Preface to the BR IFIC, Chapter IV, Section 1 | Symbol of each administration with which coordination has been successfully effected Required if coordination is necessary and has been obtained pursuant to the relevant provisions of the Radio Regulations | Repeat as appropriate |
| | </COORD> | O | C | C | | End of COORD sub- section | Sub-section must end with </COORD> |
| | </NOTICE> | X | 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 | 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 | X | Integer | Total number of notices within the file | There is no limit in the number of notices per file |
| | </TAIL> | X | X | X | | End of TAIL section. | Section must end with </TAIL> |