INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
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Circular Letter
CR/120

31 March 1999

To Administrations of Member States of the ITU

Subject: Forms of notice and formats for electronic notification of VHF/UHF television and VHF sound broadcasting assignments

Reference: BR Circular-letter CR/99 of 7 August 1998

To the Director General

Dear Sir,

1 In the above-referenced Circular-letter CR/99, I informed you of the new forms to be used for notification of VHF sound broadcasting and VHF/UHF television broadcasting as of 1st April 1999. In this letter, I also announced that a further Circular-letter would provide final details, including the address for notifying by electronic mail and, if available, codes for digital broadcasting systems.

2 In the meantime, the Bureau received further comments from administrations that lead to improvement of fields explanations and slight modification of one field in the notification forms of Circular-letter CR/99.This is further explained in Annex 3 below.

3 The Bureau's electronic mail address is **brmail@itu.int**, and all electronic notification files shall be sent at this address. If the file is long, it may be compressed as a .zip file and annexed to the mail. Administrations are requested to indicate as object of the mail "Terrestrial electronic notification" and clearly state the name of the administration sending the message, electronic return address, name and function of the sender.

4 For the time being, only a few administrations sent notices for digital television, all in 8 MHz channels, and these were recorded as television system T1. As soon as other systems are notified, they will be given new system codes. To avoid any confusion, the Bureau will not assign to digital television systems a code that already exists for analogue television.

PLACE DES NATIONS
CH-1211 GENEVA 20
SWITZERLAND

TELEPHONE +41 22 730 51 11
TELEFAXGR3: +41 22 733 72 56
GR4:

TELEX 421 000 UIT CH
TELEGRAM ITU GENEVE
+41 22 730 65 00

INTERNET:ITUMAIL@ITU.CH
X.400 S=ITUMAIL; P=ITU
A=ARCOM; C=CH

5. Similarly, up to now, no request for notification of any digital sound broadcasting system has been received. An additional form for these cases will be produced when necessary.

The Bureau is ready to provide any additional information that your administration may request on this subject.

Yours faithfully,

Robert W. Jones
Director, Radiocommunication Bureau

Annexes: 3

Distribution:
– Administrations of Member States of the ITU.
– Members of the Radio Regulations Board.

Date of notification
Day Month Year

FORM OF NOTICE
VHF
SOUND BROADCASTING STATION

T01

REGIONAL AGREEMENT
GENEVA, 1984 ☐ or
Article 4 Plan update

REGIONAL AGREEMENT
STOCKHOLM, 1961 ☐ or
Article 4 Plan update

Article S11
NOTIFICATION ☐
Master register update

For BR use only

Notification intended for
Addition ☐ Modification ☐
Administration Unique Identifier

B
Notifying adm.

3A1/Call sign

3A2/Station identification

FOR MODIFICATIONS: IDENTIFICATION OF THE ASSIGNMENT TO BE MODIFIED

Administration Unique Identifier of the assignment to be modified

Assigned frequency of the assignment to be modified, MHz

Geographical coordinates of the assignment to be modified
Longitude deg. min. sec. E/W
Latitude deg. min. sec. N/S

SITE CHARACTERISTICS

4A/Transmitting antenna site name

4B/Geographic area

4C/Coordinates: Longitude deg. min. sec. E/W
Latitude deg. min. sec. N/S

9EA/Altitude of site above sea level, m (+/-)

EMISSION CHARACTERISTICS

1A/Assigned frequency MHz

7A1/Necessary bandwidth kHz

9D Polarisation H/V/M

Effective radiated power, dBW
8BH/Horizontal (+/-)
8BV/Vertical (+/-)

7D/Transmission system

ANTENNA CHARACTERISTICS

9/Directivy of antenna D/ND

9E/Height of antenna above ground level, m

9EB/Maximum effective antenna height, m (+/-)

ARTICLE S11 ONLY

12A Operating agency

12B Address code

10B/Regular hours of operation
From (UTC) To (UTC)
Hour minute Hour minute

2C/Date of bringing into use
Day Month Year

11/COORDINATION SUCCESSFULLY COMPLETED WITH THE FOLLOWING ADMINISTRATIONS

Additional remarks

Date of notification
Day Month Year

FORM OF NOTICE
VHF/UHF
TELEVISION BROADCASTING STATION

T02

REGIONAL AGREEMENT		REGIONAL AGREEMENT		Article S11
GENEVA, 1989 ☐ Article 4 Plan update	or	STOCKHOLM, 1961 ☐ Article 4 Plan update	or	NOTIFICATION ☐ Master Register update

For BR use only

Notification intended for

Addition ☐ Modification ☐

Administration Unique Identifier

B
Notifying
adm.

3A1/Call sign

3A2/Station identification

FOR MODIFICATIONS: IDENTIFICATION OF THE ASSIGNMENT TO BE MODIFIED

Administration Unique Identifier of the assignment to be modified

Assigned frequency of the assignment to be modified, MHz

Geographical coordinates of the assignment to be modified

Longitude: deg. min. sec. E/W

Latitude: deg. min. sec. N/S

SITE CHARACTERISTICS

4A/Transmitting antenna site name

4B/Geographic area

4C/Coordinates: Longitude deg. min. sec. E/W

Latitude deg. min. sec. N/S

9EA/Altitude of site above sea level, m (+/-)

EMISSION CHARACTERISTICS

1A/Assigned frequency MHz

7A1/Frequency stability R/N/P

9D Polarisation H/V/M

Effective radiated power, dBW

8BH/Horizontal (+/-)

8BV/Vertical (+/-)

8D/Vision/Sound Power ratio, dB

7C1/Television system

7C2/Colour system N/P/S

1E/Offset

(+/-) 1/12LF

or

(+/-) kHz

ANTENNA CHARACTERISTICS

9/Directivy of antenna D/ND

9E/Height of antenna above ground level, m

9EB/Maximum effective antenna height, m (+/-)

ARTICLE S11 ONLY

12A Operating agency

12B Address code

10B/Regular hours of operation

From (UTC) Hour minute

To (UTC) Hour minute

2C/Date of bringing into use

Day Month Year

11/COORDINATION SUCCESSFULLY COMPLETED WITH THE FOLLOWING ADMINISTRATIONS

Additional remarks

Annex to form T01 or T02

Administration Unique Identifier

9EC/Effective antenna height at different azimuths, m (*do not fill in if all values are equal to the maximum effective antenna height*)

(+/-) 0°	(+/-) 180°
(+/-) 10°	(+/-) 190°
(+/-) 20°	(+/-) 200°
(+/-) 30°	(+/-) 210°
(+/-) 40°	(+/-) 220°
(+/-) 50°	(+/-) 230°
(+/-) 60°	(+/-) 240°
(+/-) 70°	(+/-) 250°
(+/-) 80°	(+/-) 260°
(+/-) 90°	(+/-) 270°
(+/-) 100°	(+/-) 280°
(+/-) 110°	(+/-) 290°
(+/-) 120°	(+/-) 300°
(+/-) 130°	(+/-) 310°
(+/-) 140°	(+/-) 320°
(+/-) 150°	(+/-) 330°
(+/-) 160°	(+/-) 340°
(+/-) 170°	(+/-) 350°

9NH/Attenuation at different azimuths of the horizontally polarized component with respect to maximum e.r.p. of the horizontally polarized component, dB
(*do not fill in if the antenna is non-directional*)

0°	180°
10°	190°
20°	200°
30°	210°
40°	220°
50°	230°
60°	240°
70°	250°
80°	260°
90°	270°
100°	280°
110°	290°
120°	300°
130°	310°
140°	320°
150°	330°
160°	340°
170°	350°

9NV/Attenuation at different azimuths of the vertically polarized component with respect to maximum e.r.p. of the vertically polarized component, dB
(*do not fill in if the antenna is non-directional*)

0°	180°
10°	190°
20°	200°
30°	210°
40°	220°
50°	230°
60°	240°
70°	250°
80°	260°
90°	270°
100°	280°
110°	290°
120°	300°
130°	310°
140°	320°
150°	330°
160°	340°
170°	350°

Form for notification of a modification to the Administration Unique Identifier

TB1

Action requested : **ADMINID**

Date of notice (dd-mm-yyyy) :

Notifying administration : ---

For BR use only		***Identification of the assignment to be updated :*** ***Fill either Adm. Unique Identif. or frequency and coordinates***				
	Fragment (Plan name or NTFD_RR)	Administration Unique Identifier of the target	Assigned frequency , MHz	Geographical coordinates dddºmm'ss"E/W ddºmm'ss''N/S	New Administration Unique Identifier	Remarks

Form for notification under Article S11 of an assignment with all technical characteristics as in the Plan

TB2

Action requested : **CONFORM**

Date of notice (dd-mm-yyyy) : Notifying administration : ---

For BR use only	Plan name	Administration Unique Identifier	Assigned frequency (MHz)	Geographical coordinates dddºmm'ss"E/W ddºmm'ss''N/S	2C/Date of bringing into use dd-mm-yyyy	12B/ Address code	12A/ Operating Agency Code	10B/Hours of operation hh:mm - hh:mm	Remarks

Note : when filling this form, the first line corresponds to the Plan assignment to be copied to the Master Register, and the second to the corresponding assignment in the Master Register. Therefore:

in the first line, the following fields shall be filled in :

- the Plan name
- either the Administration Unique Identifier or the assigned frequency and the geographical coordinates of the Plan assignment

in the second line, the following fields shall be filled in :

- if the notice modifies an assignment in the Master Register, either the Administration Unique Identifier or the assigned frequency and the geographical coordinates of this assignment
- the date of bringing into use
- the address code and the operating agency code (optional)
- the hours of operation (if different from 00:00-24:00)
- the remarks (optional)

TB3

Form for requesting publication of a modification in Part B of the corresponding Special Section

Action requested : **PARTB**

Date of notice (dd-mm-yyyy) : Notifying administration : ---

For BR use only		***Identification of the notice to be updated :*** ***Fill either Adm. Unique Identif. or frequency and coordinates***				
	Plan Name	Administration Unique Identifier of the target	Assigned frequency, MHz	Geographical coordinates dddºmm'ss"E/W ddºmm'ss"N/S	11/Coordinated with (please indicate ALL coordinations)	Remarks

TB4

Form for updating the coordination information of a notice under treatment

Action requested : **COORDINATION**

Date of notice (dd-mm-yyyy) :

Notifying administration : ---

	Identification of the notice to be updated : ***Fill either Adm. Unique Identif. or frequency and coordinates***				
Plan Name	Administration Unique Identifier of the target	Assigned frequency, MHz	Geographical coordinates ddd°mm'ss"E/W dd°mm'ss"N/S	11/Coordinated with (please indicate ALL coordinations)	Remarks

Form for suppressing an assignment or for withdrawing a notice under treatment

TB5

Action requested : **SUPPRESS or WITHDRAW**

Date of notice (dd-mm-yyyy): Notifying administration: ---

For BR use only		***Identification of the assignment to be suppressed or of the notice to be withdrawn:*** ***Fill either Adm. Unique Identif. or frequency and coordinates***				
	Fragment	Administration Unique Identifier of the target	Assigned frequency, MHz	Geographical coordinates dddºmm'ss"E/W ddºmm'ss"N/S	Cross this box if you want to **SUPPRESS**	Cross this box if you want to **WITHDRAW**

ANNEX 2

File Structure to be Used For VHF/UHF broadcasting Electronic Notices

1 General structure

The file is a sequential, record-oriented file, which follows the general outline of an **SGML** (Standard Generalized Markup Language) file, using a tagging scheme. However, to simplify the approach for ***TerRaSys*** electronic notices, neither the SGML Document Type Definitions, nor tags for each data element are used.

The file consists of three or more sections. The first section is the **HEAD** section. The last section is the **TAIL** section. Between the **HEAD** and **TAIL** sections, there is one section for each notice. These sections are named **NOTICE**. Each section contains one or more keys, with a value (specified as a text string) associated with the key. Each section may also have sub-sections; at this time, only the **NOTICE** section may contain sub-sections.

There is a defined beginning - the start-tag - and a defined end - the end-tag - of each section. The start-tag has the format <section_name>, and the end-tag has the format </section_name>, as in SGML.

As indicated, a section may or may not have sub-sections. The sub-sections are also defined using start-tags and end-tags, using the formats <sub-section_name> and </sub-section_name>.

This concept is recursive, so that there may also be sub-sub-sections, etc.

The keys within a section or sub-section follow the start-tag, and continue until the corresponding end-tag. Start-tags and end-tags are mandatory.

Sub-sections are grouped at the end of the section.

Within a section or sub-section, each value is preceded by a key, like in the example below:

t_action = ADD

Within each section or sub-section, each key shall be unique, except for specific keys (in the case of T01 and T02 notices, these keys are t_remarks in the <NOTICE> section and t_adm in the <COORDINATION> sub-section).

The general schema - for a single file with several notices - is:

```
<HEAD>
key1=string
key2=string
.....
</HEAD>
<NOTICE>
key1=string
key2=string
.....
```

```
</NOTICE>
<NOTICE>
key1=string
key2=string
.....
</NOTICE>
<NOTICE>
key1=string
key2=string
.....
</NOTICE>
.....
<TAIL>
key1=string
</TAIL>
```

The lines in the files are variable length. Each line in the file is terminated with a CR/LF (carriage return/linefeed) combination, a CR (carriage return), or an LF (linefeed).

The ISO 8859-1 (Latin-1) coded character set is to be used throughout the file. Only printable characters (plus carriage return and linefeed) may be used.

The **HEAD** section must be the first section in the file. The **TAIL** section must be the last section in the file. The **NOTICE** sections may be in any order within the file between the **HEAD** and **TAIL** sections. The name of the section may be in uppercase, lowercase, or mixed case. White space (e.g. blanks) must not appear before a start-tag or end-tag, nor within a start-tag or end-tag.

The keys for a section or sub-section may be in any order within that section or sub-section; they are referenced by name - within this section or sub-section - rather than by position. The name of the key may be in uppercase, lowercase, or mixed case. White space (e.g. blanks) must *not* appear before or within a key name.

Each key is composed of alphanumeric text and must be unique within its section. Each key is followed by the symbol = and then by the value associated with this key There can be zero or more spaces between the key and the equal sign, and zero or more spaces after the equal sign and before the value corresponding to the key. The first non-space character after the equal sign will be the first character of the value corresponding to the key; in other words, the first character of a field can never be a space. However, white space is permitted within the value associated with the key. (For example, the Transmitting Antenna Site Name may consist of several words, separated by blank spaces.)

Each string associated with a key is an undelimited text string; there are no quotation marks or other delimiters.

Administrations are requested to strictly conform to this format in order to avoid unnecessary errors.

2 Structure of numeric and other data

Each string must be less than or equal to the length allowed on the corresponding paper notice form.

If the string contains numeric data (e.g. power), then:

- no white space (e.g. blanks) may appear within the string;
- the decimal separator - if used - is the FULL STOP character (not a comma, for example);

- there must be no thousands separators in the string; that is, the value ten thousand, for example, would be submitted as **10000** and *not* as 10,000 nor as 10.000. In fact, 10.000 would be interpreted as ten, not ten thousand;
- the sign, if any, must be at the beginning of the string. With the exception of the geographic coordinates, the plus sign is optional if the value is greater than or equal to zero.

Each key and its corresponding value must be on a separate line, and must terminate with CR/LF, CR, or LF, as described above.

Sections and sub-sections which do not match any of the ***TerRaSys*** sections will be entirely ignored by ***TerRaSys***. Therefore, administrations wishing to send the same file to the Bureau and to others can add additional sections and/or sub-sections for other purposes without fear of disruption of the ***TerRaSys*** electronic notice process.

Currently, the names of the sections and sub-sections are in English only.

The keys in each section correspond to the name of a data element being notified. The string associated with the key is the value of the data element. To avoid any conflicts with the Radiocommunication Data Dictionary (RDD) being developed by ITU-R Study Group 1, all data element names are prefixed with **t_**. After the RDD is adopted, the Bureau may review the names to correspond to those in the RDD. Nonetheless, both the current names and the RDD names would be acceptable for a sufficiently long transition period.

Certain keys have default values. It is *not* necessary to enter the key (and associated value) if the default is to be used.

Keys which do *not* begin with **t_** will be ignored by ***TerRaSys***. Therefore, administrations wishing to send the same file to the Bureau and to other users can use additional keys for other purposes without disrupting the ***TerRaSys*** electronic notice process. All unknown keys beginning with **t_** within a ***TerRaSys*** section will be flagged as errors to be referred to the administration submitting the notice; as typographical errors will be suspected.

Dates and times in the ***TerRaSys*** electronic notices are to be specified as follows:

- Dates must follow the ISO 8601 standard. That is, they must be in the format **yyyy-mm-dd**, where:

  yyyy is the full year, including the century
  mm is the month, from 1 through 12
  dd is the day, from 1 through 31

  For example, 29 February 1996 would be represented as 1996-02-29.
- Times must follow the ISO 8601 standard. That is, they must be in the format **hh:mm**, where:

  hh is the number of complete hours which have passed since midnight (00 to 24).

  mm is the number of complete minutes that have passed since the start of the hour (00 to 59).

As described in ISO 8601, 00:00 represents midnight at the beginning of the day and 24:00 represents midnight at the end of the day.

- Geographic coordinates contain the longitude and latitude of the transmitting or receiving sites. The original proposal in CR/36 was to follow the ISO 6709 standard, which has latitude followed by longitude. However, in view of the WRC decisions resulting in Appendix S4 specifying that the longitude come before the latitude, the longitude and latitude are to be specified separately (rather than reversing the order in the ISO 6709 format, which would lead to confusion).

Depending on the service, the seconds of the longitude and latitude may or may not be required. For Television and VHF Sound Broadcasting, seconds are recommended.

The longitude must be submitted in one of the two following formats, depending on whether seconds are submitted:

±DDDMMSS
or
±DDDMM

where:

East Longitude is represented by a mandatory plus sign; West Longitude is represented by a minus sign.

DDD refers to the degrees portion of the longitude, with one or two leading zeros if this is less than 100.

MM refers to the minutes portion of the longitude, with a leading zero if this is less than 10.

SS refers to the seconds portion of the longitude, with a leading zero if this is less than 10.

Examples are:

-0750015
-07500

The latitude must be submitted in one of the two following formats, depending on whether seconds are submitted:

±DDMMSS
or
±DDMM

where:

North Latitude is represented by a mandatory plus sign; South Latitude is represented by a minus sign.

DD refers to the degrees portion of the latitude, with a leading zero if this is less than 10.

MM refers to the minutes portion of the latitude, with a leading zero if this is less than 10.

SS refers to the seconds portion of the latitude, with a leading zero if this is less than 10.

Examples are:

+401213
+4012

3 Characteristics of electronic notices for VHF/UHF sound and television

3.1 The section named **HEAD** may contain the following keys:

t_char_set	The character set used in the file. See paragraph 1 of Annex 3.
t_d_sent	The date that this file is sent, in **yyyy-mm-dd** format. See paragraph 2 of Annex 3.
t_adm	The three-character code for the name of the administration submitting the notice. See paragraph 4 of Annex 3.
t_email_addr	The electronic mail address to be used for communications regarding this file, and the notices in this file. See paragraph 3

of Annex 3.

3.2 The section named **TAIL** contains a single key as follows:

t_num_notices	The number of notices contained in the file. See paragraph 44 of Annex 3.

3.3 The section named **NOTICE** contains the following keys:

t_notice_type	The type of notice; corresponds to the paper notice for additions and modifications. See paragraph 5 of Annex 3.
t_d_adm_ntc	The date that the administration gives to this notice. This may be different than **t_d_sent**. See paragraph 6 of Annex 3.
t_fragment	The part of the database to be updated. See paragraph 7 of Annex 3.
t_plan	The name of the Plan. See paragraph 8 of Annex 3.
t_action	The action to be taken regarding this notice. See paragraph 9 of Annex 3.
t_adm_ref_id	Administration's unique identifier, assigned by the administration. See paragraph 10 of Annex 3.
t_call_sign	The call sign. See paragraph 13 of Annex 3.
t_station_id	The information transmitted by the radio station to aid identification of the source of its emission. See paragraph 13 of Annex 3.
t_freq_assgn	The assigned frequency (MHz). See paragraph 14 of Annex 3.
t_bdwdth	The necessary bandwidth. See paragraph 17 of Annex 3.
t_freq_stabl	The frequency stability. See paragraph 18 of Annex 3.
t_oset_v_khz	The vision frequency offset, in kHz. See paragraph 19 of Annex 3.
t_oset_v_12	The vision frequency offset, in units of 1/12 of the line frequency of the TV system. See paragraph 19 of Annex 3.
t_oset_s_khz	The sound frequency offset, in kHz. See paragraph 20 of Annex 3.
t_oset_s_12	The sound frequency offset, in units of 1/12 of the line frequency of the TV system. See paragraph 20 of Annex 3.
t_ctry	The three-character code for the name of the geographic area where the transmitting antenna is located. See paragraph 21 of Annex 3.
t_site_name	The name of the site where the transmitting antenna is located. See paragraph 22 of Annex 3.
t_long	The longitude of the transmitting antenna site, using the format for the longitude described earlier. See paragraph 23 of Annex 3.
t_lat	The latitude of the transmitting antenna site, using the format for the latitude described earlier. See paragraph 23 of Annex 3.
t_polar	The polarization (H, V or M). See paragraph 26 of Annex 3.

t_erp_h_dbw	The maximum horizontally polarized Effective Radiated Power (dBW). For standard television, this is the maximum radiated power of the horizontal component for the vision carrier. See paragraph 27 of Annex 3.
t_erp_v_dbw	The maximum vertically polarized Effective Radiated Power (dBW). For standard television, this is the maximum radiated power of the vertical component for the vision carrier. See paragraph 28 of Annex 3.
t_tran_sys	The transmission system for VHF sound broadcasting notices or television system for television notices. See paragraph 30 of Annex 3.
t_color	The color system for analog television notices. See paragraph 31 of Annex 3.
t_pwr_ratio	The power ratio (dB) between the vision effective radiated power and sound effective radiated power for analog television notices. See paragraph 32 of Annex 3.
t_hgt_agl	The height (metres) above ground level of the centre of radiation. See paragraph 33 of Annex 3.
t_site_alt	The height (metres) above sea level of the ground level at the antenna site. See paragraph 34 of Annex 3.
t_eff_hgtmax	The maximum effective height (metres). See paragraph 35 of Annex 3.
t_op_agcy	The three-character code for the operating agency. See paragraph 37 of Annex 3.
t_addr_code	The two-character address code for the responsible administration. See paragraph 36 of Annex 3.
t_op_hh_fr	The starting time for the hours of operation. See paragraph 39 of Annex 3.
t_op_hh_to	The ending time for the hours of operation. See paragraph 39 of Annex 3.
t_d_inuse	The date at which the administration intends to bring this assignment into use. See paragraph 38 of Annex 3.
t_remarks	Any comment designed to assist the Bureau in processing the notice. There is no limit on the number of characters per line nor is there a limit on the number of **t_remarks** keys which may be included in a given **NOTICE.** See paragraph 40 of Annex 3.
t_trg_adm_ref_id	The Administration Unique Identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. See paragraph 3.4 below and paragraph 11 of Annex 3.
t_trg_freq_assgn	The assigned frequency (MHz) of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn. See paragraph 3.4 below and paragraph 15 of Annex 3.

t_trg_long	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. See paragraph 3.4 below and paragraph 24 of Annex 3.
t_trg_lat	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. See paragraph 3.4 below and paragraph 24 of Annex 3.
t_plan_adm_ref_id	The Administration Unique Identifier of the assignment in the Plan to be copied to the Master Register. See paragraph 3.4 below and paragraph 12 of Annex 3.
t_plan_freq_assgn	The assigned frequency (MHz) of the assignment in the Plan to be copied to the Master Register. See paragraph 3.4 below and paragraph 16 of Annex 3.
t_plan_long	The longitude of the transmitter site of the assignment in the Plan to be copied to the Master Register. See paragraph 3.4 below and paragraph 25 of Annex 3.
t_plan_lat	The latitude of the transmitter site of the assignment in the Plan to be copied to the Master Register. See paragraph 3.4 below and paragraph 25 of Annex 3.

3.4 Additional fields in the NOTICE section to uniquely define the existing assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn.

In the case of a notice for modifying or suppressing an assignment or for updating or withdrawing a notice under treatment, it is necessary to identify the target assignment or notice. There are two alternative methods of submitting such identifiers:

- Supply the Administration's Unique Identifier of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn (the target), t_trg_adm_ref_id. Note that the combination of the identifier and the Fragment must be unique within a given administration.
- Supply the Assigned frequency and Geographic Coordinates of the assignment to be modified or suppressed, or of the notice under treatment to be updated or withdrawn, t_trg_freq_assgn t_trg_long and t_trg_lat. ***TerRaSys*** will first use the Administration's unique identifier of the target, t_trg_adm_ref_id - if submitted - to identify the assignment being modified.

  If the Administration's unique identifier of the target is not submitted, ***TerRaSys*** will use the combination of frequency and geographic coordinates of the target, t_trg_freq_assgn, t_trg_long and t_trg_lat to identify the assignment being modified. In any case, the frequency and geographical coordinates, t_freq_assgn, t_long and t_lat, shall be notified.

3.5 The sub-section named **COORDINATION**, if it exists, contains one key for each administration with which coordination has been successfully completed. The key is named **t_adm**, and the value is the code of the administration with which coordination has been achieved. If there is more than one such administration, each administration should be listed with a separate **t_adm** key on a separate line. Note that - unlike the paper notice - there is no limit on the number of administrations which can be entered here.

t_adm	The code of the administration with which coordination has been successfully achieved. See paragraph 41 of Annex 3.

3.6 The **ANT_HGT** sub-section is used for both television and VHF sound broadcasting. This section has the following keys:

t_eff_hgt@azmzzz	The effective height (metres) at the azimuth **zzz** (degrees). There should be a key for each azimuth from 0 through 350 degrees, in increments of 10 degrees The azimuth zzz may be written with or without leading zeros (for example: **t_eff_hgt@azm010** is equivalent to **t_eff_hgt@azm10**). See paragraph 42 of Annex 3.

3.7 The **ANT_DIAGR_H** and the **ANT_DIAGR_V** sub-sections for both television and VHF sound broadcasting are included only when there is a directional antenna. The **ANT_DIAGR_H** section is used for attenuations of the horizontally polarized signal, while the **ANT_DIAGR_V** section is used for attenuations of the vertically polarized signal. Both of these sections have the following keys:

t_attn@azmzzz	The attenuation (dB) at the azimuth **zzz** (degrees). There should be a key for each azimuth from 0 through 350 degrees, in increments of 10 degrees The azimuth zzz may be written with or without leading zeros (for example: **t_attn@azm010** is equivalent to **t_attn@azm10**). See paragraph 43 of Annex 3.

4 Special cases of electronic notices for VHF/UHF sound and television

The following actions are performed through simplified electronic notices. They also ensure a simplified treatment in the BR.

4.1 Special case of ***TerRaSys*** electronic notices for updating the Master Register under Article S11 by copying an assignment in the Plan.

The **CONFORM** action is to be used when an administration is notifying under Article S11 an assignment which conforms to one of the Plans. This could be either a new Article S11 assignment or a modification of an existing Article S11 assignment. Use of the **CONFORM** action is intended to ensure that Article S11 and Plan assignments are identical, if that is the intention. The particularities of a notice which institutes the **CONFORM** action are:

There is a separate **NOTICE** section for each such action. There is possibly a **COORDINATION** sub-section.

The allowed keys are:

- **t_action** (always equal to **CONFORM)**;
- **t_plan** the name of the Plan (fragment) where the assignment to be notified is recorded;
- **t_d_adm_ntc** (optional);

- an identification of the Plan assignment to be copied, either by the Administration Unique Identifier, **t_plan_adm_ref_id**, of the Plan assignment, or by the combination of the assigned frequency, **t_plan_freq_assgn** and geographic coordinates, **t_plan_long and t_plan_lat**, of the Plan assignment;
- If the **CONFORM** action is to modify an existing Article S11 assignment, an identification of the assignment to be modified either by the Administration Unique Identifier, **t_trg_adm_ref_id**, of the Article S11 assignment to be modified, or by the combination of frequency, **t_trg_freq_assgn** and geographic coordinates, **t_trg_long and t_trg_lat**, of the Article S11 assignment to be modified;
- **t_adm_ref_id** note that this Administration Unique Identifier may the same as the Plan Administration Unique Identifier, or the Administration Unique Identifier of the target Article S11 assignment. However, for a given administration, the combination of Administration Unique Identifier and Fragment must be unique;
- **t_op_agcy** (operating agency), optional;
- **t_addr_code** (responsible administration), optional;
- **t_d_inuse** (date of bringing into use), mandatory;
- **t_op_hh_fr** and **t_op_hh_to** (operation hours), optional;
- **t_remarks** optional.

If necessary, a **COORDINATION** sub-section may be included. Note that coordination information from the assignment in the Plan will *not* be copied; the coordination considerations for Article S11 are different than those for the Plans.

Specifying of other fields is prohibited because the purpose of the **CONFORM** action is to copy *without modification* the parameters from the Plan. The **ADD** or **MODIFY** action should be used if an administration desires Article S11 parameters which are different than Plan parameters.

4.2 Special case of ***TerRaSys*** electronic notices for updating the coordination data of a notice under treatment.

The **COORDINATION** action is to be used when an administration is updating the list of administrations with which coordination has been achieved. As with the MODIFY action, the COORDINATION action is a replacement of existing information. The particularities of a notice which institutes the COORDINATION action are:

There is a separate **NOTICE** section for each such action.

The allowed keys are:

- **t_action** (equal to **COORDINATION**);
- **t_notice_type (T01 for VHF sound broadcasting assignment, or T02 for television)**
- **t_fragment**;
- **t_d_adm_ntc** (optional);
- an identification of the notice under treatment to be updated by specifying either the Administration Unique Identifier, **t_ trg_adm_ref_id**, of the notice under treatment, or the combination of the assigned frequency, **t_ trg_freq_assgn** and geographic coordinates, **t_ trg_long and t_trg_lat**, of the notice under treatment;
- **t_remarks** (optional);

- a mandatory **COORDINATION** sub-section, within which:
- a **t_adm** key for each administration with which coordination has been completed. As with the **MODIFY** action, all previously notified values must be replaced. Therefore, administrations which have previously been notified in this section must be notified again. If, for example, three administrations were listed in **COORDINATION** in the original notice, and subsequently coordination has been achieved with two additional administrations, the **COORDINATION** action would require a **COORDINATION** section with five administrations.

Specifying of other fields is prohibited because the purpose of the **COORDINATION** action is to update the list of administrations with which coordination has been achieved. The **MODIFY** action should be used if an administration desires to update other parameters.

4.3 Special case of ***TerRaSys*** electronic notices for updating the Administration Unique Identifier.

The **ADMINID** action is to be used when an administration is providing its Unique Identifier for the first time, or when it is updating this Identifier. This simplified notice is provided to be used when an administration is reorganizing its own data base, and generating new or replacement Unique Identifiers. The particularities of a notice which institutes the **ADMINID** action are:

There is a separate **NOTICE** section for each such action. No **NOTICE** sub-sections should be submitted.

The allowed keys are:

- **t_action** (equal to **ADMINID**);
- **t_notice_type (T01 for VHF sound broadcasting assignment, or T02 for television)**
- **t_fragment**;
- **t_d_adm_ntc** (optional);
- an identification of the assignment to be updated by specifying either the Administration Unique Identifier, **t_trg_adm_ref_id**, of the assignment, or the combination of the frequency, **t_trg_freq_assgn** and geographic coordinates, **t_trg_long and t_trg_lat**, of the assignment;
- **t_adm_ref_id** the new Administration Unique Identifier (mandatory);
- **t_remarks** (optional).

Specifying of other fields is prohibited because the purpose of the **ADMINID** action is to update the Administration's Unique Identifier. The **MODIFY** action should be used if an administration desires to update other parameters.

4.4 Special case of ***TerRaSys*** electronic notices for requesting publication in Part B of a Special Section.

The **PARTB** action is to be used when an administration, after completion of the Plan modification procedure, informs the Bureau that the coordination procedure has been successfully completed and consequently requests publication of the assignment in Part B of the Special Section. The details of a notice which institutes the PARTB action are:

There is a separate **NOTICE** section for each such action.

The allowed keys are:

- **t_action** (equal to **PARTB**);
- **t_plan**;
- **t_d_adm_ntc** (optional);

- an identification of the notice under treatment to be updated by specifying either the Administration Unique Identifier, **t_ trg_adm_ref_id**, of the notice, or the combination of the frequency, **t_ trg_freq_assgn** and geographic coordinates, **t_ trg_long and t_trg_lat**, of the notice;
- **t_remarks** (optional).

If necessary, a **COORDINATION** sub-section may be included.

Specifying of other fields is prohibited because the purpose of the PARTB action is to update the Plan with the same characteristics as those published in Part A of the Special Section. The MODIFY action should be used if an administration desires to update other parameters.

4.5 Special cases of ***TerRaSys*** electronic notices for requesting the suppression of an assignment or the withdrawal of a notice under treatment.

The **SUPPRESS** action is to be used when an administration requests the suppression of an assignment from a Plan or from the Master Register.

The **WITHDRAW** action is to be used when an administration requests the withdrawal of a notice under treatment.

The details of a notice which institutes the **SUPPRESS** action or the **WITHDRAW** action are:

There is a separate **NOTICE** section for each such action.

The allowed keys are:

- **t_action** (equal to **SUPPRESS** or **WITHDRAW**);
- **t_notice_type (T01 for VHF sound broadcasting assignment, or T02 for television)**
- **t_fragment**;
- **t_d_adm_ntc** (optional);
- an identification of the assignment to be suppressed or of the notice to be withdrawn by specifying either the Administration Unique Identifier, **t_trg_adm_ref_id**, of the assignment or notice, or the combination of the frequency, **t_trg_freq_assgn** and geographic coordinates, **t_trg_long and t_trg_lat**;
- **t_remarks** (optional),

Specifying of other fields is prohibited.

A sample file containing one television broadcasting notice and one VHF sound broadcasting notice might have this structure:

<HEAD>
(keys and data for heading)
</HEAD>

First Notice

<NOTICE>
(general keys and data for television assignment)
<ANT_HGT>
(antenna height data for television assignment)
</ANT_HGT>
<ANT_DIAGR_H>
(antenna attentuation data — horizontal polarization — for television assignment)
</ANT_DIAGR_H>
<COORD>
(coordination data for television assignment)
</COORD>
<ANT_DIAGR_V>
(antenna attenuation data — vertical polarization — for television assignment)
</ANT_DIAGR_V>
</NOTICE>

Second Notice

<NOTICE>
(general keys and data for VHF sound broadcasting assignment)
<COORD>
(coordination data for VHF sound broadcasting assignment)
</COORD>
<ANT_DIAGR_H>
(antenna attentuation data — horizontal polarization — for VHF sound broadcasting assignment)
</ANT_DIAGR_H>
<ANT_HGT>
(antenna height data for VHF sound broadcasting assignment)
</ANT_HGT>
<ANT_DIAGR_V>
(antenna attenuation data — vertical polarization — for VHF sound broadcasting assignment)
</ANT_DIAGR_V>
</NOTICE>

<TAIL>
t_num_notices=2
</TAIL>

Table of Fields to be Notified

<SECTION> <Sub-Section> t_field=	**Identifiers[2]**	**----- Mandatory / Ignored / Required / Optional[1] -------**								**TV or VHF Sound**
		Add	**Modify**	**Suppress**	**Conform**	**Coordination**	**Adminid**	**PartB**	**Withdraw**	
<HEAD>		**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	
t_char_set=		**O**	**O**	**O**	**O**	**O**	**O**	**O**	**O**	
t_email_addr=		**O**	**O**	**O**	**O**	**O**	**O**	**O**	**O**	
t_d_sent=		**O**	**O**	**O**	**O**	**O**	**O**	**O**	**O**	
t_adm=		**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	
<NOTICE>		**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	
t_notice_type=		**M**	**M**	**M***	**I**	**M***	**M***	**I**	**M***	
t_d_adm_ntc=		**O**	**O**	**O**	**O**	**O**	**O**	**O**	**O**	
t_fragment=	**Yes**	**M**	**M**	**M**	**I**	**M**	**M**	**I**	**M**	
t_plan	**Yes**	**I**	**I**	**I**	**M**	**I**	**I**	**M**	**I**	
t_action=		**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	
t_adm_ref_id=		**O**	**O**	**I**	**O**	**I**	**M**	**I**	**I**	
t_trg_adm_ref_id=	**Yes**	**I**	**R**	**R**	**R**	**R**	**R**	**R**	**R**	
t_plan_adm_ref_id=	**Yes**	**I**	**I**	**I**	**R**	**I**	**I**	**I**	**I**	
t_call_sign=		**O**	**O**	**I**	**I**	**I**	**I**	**I**	**I**	
t_station_id=		**O**	**O**	**I**	**I**	**I**	**I**	**I**	**I**	

---

[1] "M" means "Mandatory"; "I" means that the value is ignored or forbidden; "R" means that the value is required in certain circumstances and "O" means that this is Optional.

[2] Different field combinations may be used to create a single identifier.

t_freq_assgn=		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_trg_freq_assgn=	**Yes**	**I**	**R**	**R**	**R**	**R**	**R**	**R**	**R**	
t_plan_freq_assgn=	**Yes**	**I**	**I**	**I**	**R**	**I**	**I**	**I**	**I**	
t_freq_stabl		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	**TV only**
t_bdwdth		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	**VHF Sound**
t_oset_v_khz=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	**TV only**
t_oset_v_12=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	**TV only**
t_oset_s_khz=		**O**	**O**	**I**	**I**	**I**	**I**	**I**	**I**	**TV only**
t_oset_s_12=		**O**	**O**	**I**	**I**	**I**	**I**	**I**	**I**	**TV only**
t_ctry=		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_site_name=		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_long		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_lat		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_trg_long	**Yes**	**I**	**R**	**R**	**R**	**R**	**R**	**R**	**R**	
t_trg_lat	**Yes**	**I**	**R**	**R**	**R**	**R**	**R**	**R**	**R**	
t_plan_long	**Yes**	**I**	**I**	**I**	**R**	**I**	**I**	**I**	**I**	
t_plan_lat	**Yes**	**I**	**I**	**I**	**R**	**I**	**I**	**I**	**I**	
t_polar=		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_erp_h_dbw=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
t_erp_v_dbw=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
t_tran_sys=		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_color=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	**TV only**
t_pwr_ratio=		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	**TV only**
t_hgt_agl=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
t_site_alt=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
t_eff_hgtmax=		**M**	**M**	**I**	**I**	**I**	**I**	**I**	**I**	
t_op_agcy=		**O**	**O**	**I**	**O**	**I**	**I**	**I**	**I**	**S11 only**
t_addr_code=		**R**	**R**	**I**	**M**	**I**	**I**	**I**	**I**	**S11 only**

t_op_hh_fr=		**O**	**O**	**I**	**O**	**I**	**I**	**I**	**I**	**S11 only**
t_op_hh_to=		**O**	**O**	**I**	**O**	**I**	**I**	**I**	**I**	**S11 only**
t_d_inuse=		**R**	**R**	**I**	**M**	**I**	**I**	**I**	**I**	**S11 only**
t_remarks=[3]		**O**	**O**	**O**	**O**	**O**	**O**	**O**	**O**	
<COORDINATION>		**O**	**O**	**I**	**O**	**M**	**I**	**O**	**I**	
t_adm=[4]		**O**	**O**	**I**	**O**	**M**	**I**	**O**	**I**	
<ANT_HGT>		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
t_eff_hgt@azm***zzz***=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
<ANT_DIAGR_H>		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
t_attn@azm***zzz***=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
<ANT_DIAGR_V>		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
t_attn@azm***zzz***=		**R**	**R**	**I**	**I**	**I**	**I**	**I**	**I**	
<TAIL>		**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	
t_num_notices=		**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	

[3] This field may occur multiple times.

[4] This field may occur multiple times.

Sample *TerRaSys* Electronic Notices

```
<HEAD>
t_char_set = ISO-8859-1
t_d_sent = 1998-06-15
t_adm = F
comment = This is a sample of recently
notified data
</HEAD>
<NOTICE>
t_notice_type = T01
t_d_adm_notice = 1996-01-02
t_fragment = GE84
t_action = ADD
t_adm_ref_id = CSA / 1234
t_freq_assgn = 107.3
t_bdwdth = 300
t_ctry = F
t_site_name = Bourg S Maurice
t_long = +00650
t_lat = +4537
t_polar = V
t_erp_v_dbw = 20.00
t_tran_sys = 4
t_hgt_agl = 20
t_site_alt = 1794
t_eff_hgtmax = 560
t_remarks = This addition has been published
t_remarks = in Part A of Special Section
t_remarks = GE84/84 and in Part B of Special
t_remarks = Section GE84/90 under BR
t_remarks = number 096000096
<ANT_HGT>
t_eff_hgt@azm0 = -1035
t_eff_hgt@azm10 = -970
t_eff_hgt@azm20 = -793
t_eff_hgt@azm30 = -621
t_eff_hgt@azm40 = -643
t_eff_hgt@azm50 = -727
t_eff_hgt@azm60 = -848
t_eff_hgt@azm70 = -988
t_eff_hgt@azm80 = -1019
t_eff_hgt@azm90 = -856
t_eff_hgt@azm100 = -621
t_eff_hgt@azm110 = -721
t_eff_hgt@azm120 = -675
t_eff_hgt@azm130 = -572
t_eff_hgt@azm140 = -253
t_eff_hgt@azm150 = -187

t_eff_hgt@azm160 = -934
t_eff_hgt@azm170 = -1257
t_eff_hgt@azm180 = -769
t_eff_hgt@azm190 = -760
t_eff_hgt@azm200 = -682
t_eff_hgt@azm210 = -400
t_eff_hgt@azm220 = -236
t_eff_hgt@azm230 = 229
t_eff_hgt@azm240 = 560
t_eff_hgt@azm250 = 247
t_eff_hgt@azm260 = 3
t_eff_hgt@azm270 = -157
t_eff_hgt@azm280 = -395
t_eff_hgt@azm290 = -526
t_eff_hgt@azm300 = -546
t_eff_hgt@azm310 = -307
t_eff_hgt@azm320 = -319
t_eff_hgt@azm330 = -592
t_eff_hgt@azm340 = -696
t_eff_hgt@azm350 = -860
</ANT_HGT>
<COORD>
t_adm = SUI
t_adm = BEL
t_adm = D
t_adm = SMR
t_adm = LUX
</COORD>
</NOTICE>
<NOTICE>
t_notice_type = T01
t_fragment = GE84
t_action = MODIFY
t_adm_trg_ref_id = BR-084101541
t_adm_ref_id = CSA / 2345
t_freq_assgn = 88.1
t_bdwdth = 300
t_ctry = F
t_site_name = Annecy
t_long = +0060800
t_lat = +455300
t_polar = V
t_erp_v_dbw = 30.0
t_tran_sys = 4
t_hgt_agl = 30.00
t_site_alt = 860
t_eff_hgtmax = 327
```

t_remarks = This modification has been
t_remarks = published in Part A of Special
t_remarks = Section GE84/81 and in Part B of
t_remarks = Special Section GE84/90 under
t_remarks = BR number 084101541
<COORD>
t_adm = SUI
t_adm = AUT
t_adm = BEL
t_adm = D
t_adm = E
t_adm = LUX
</COORD>
<ANT_HGT>
t_eff_hgt@azm0 = 180
t_eff_hgt@azm10 = 140
t_eff_hgt@azm20 = 195
t_eff_hgt@azm30 = 124
t_eff_hgt@azm40 = 6
t_eff_hgt@azm50 = -322
t_eff_hgt@azm60 = -334
t_eff_hgt@azm70 = -404
t_eff_hgt@azm80 = 17
t_eff_hgt@azm90 = -71
t_eff_hgt@azm100 =-2537
t_eff_hgt@azm110 = -284
t_eff_hgt@azm120 = -200
t_eff_hgt@azm130 = 41
t_eff_hgt@azm140 = 232
t_eff_hgt@azm150 = 213
t_eff_hgt@azm160 = -37
t_eff_hgt@azm170 = -78
t_eff_hgt@azm180 = -207
t_eff_hgt@azm190 = -594
t_eff_hgt@azm200 = -238
t_eff_hgt@azm210 = 73
t_eff_hgt@azm220 = 162
t_eff_hgt@azm230 = 219
t_eff_hgt@azm240 = 236
t_eff_hgt@azm250 = 228
t_eff_hgt@azm260 = 238
t_eff_hgt@azm270 = 276
t_eff_hgt@azm280 = 327
t_eff_hgt@azm290 = 250
t_eff_hgt@azm300 = 189
t_eff_hgt@azm310 = 185
t_eff_hgt@azm320 = 245
t_eff_hgt@azm330 = 224

t_eff_hgt@azm340 = 121
t_eff_hgt@azm350 = 167
</ANT_HGT>
<ANT_DIAGR_V>
t_attn@azm0 = 10
t_attn@azm10 = 10
t_attn@azm20 = 10
t_attn@azm30 = 10
t_attn@azm40 = 0.0
t_attn@azm50 = 0.0
t_attn@azm60 = 0.0
t_attn@azm70 = 0.0
t_attn@azm80 = 0.0
t_attn@azm90 = 0.0
t_attn@azm100 = 0.0
t_attn@azm110 = 0.0
t_attn@azm120 = 0.0
t_attn@azm130 = 0.0
t_attn@azm140 = 0.0
t_attn@azm150 = 0.0
t_attn@azm160 = 0.0
t_attn@azm170 = 0.0
t_attn@azm180 = 0.0
t_attn@azm190 = 0.0
t_attn@azm200 = 0.0
t_attn@azm210 = 0.0
t_attn@azm220 = 0.0
t_attn@azm230 = 0.0
t_attn@azm240 = 0.0
t_attn@azm250 = 0.0
t_attn@azm260 = 0.0
t_attn@azm270 = 0.0
t_attn@azm280 = 0.0
t_attn@azm290 = 0.0
t_attn@azm300 = 0.0
t_attn@azm310 = 0.0
t_attn@azm320 = 0.0
t_attn@azm330 = 0.0
t_attn@azm340 = 0.0
t_attn@azm350 = 10
</ANT_DIAGR_V>
</NOTICE>
<NOTICE>
t_notice_type = T01
t_action = PARTB
t_d_adm_notice = 1996-01-02
t_fragment = GE84
t_trg_freq_assgn = 88.00

t_trg_long = +00625
t_trg_lat = +4541
t_remarks = This addition (Albertville 2) has
t_remarks = been published in Part A of
t_remarks = Special Section GE84/84 and in
t_remarks = Part B of Special Section
t_remarks = GE84/90 under BR number
t_remarks = 096000004
<COORD>
t_adm = SUI
t_adm = D
t_adm = LIE
t_adm = I
</COORD>
</NOTICE>
<NOTICE>
t_action = SUPPRESS
t_d_adm_notice = 1998-04-01
t_fragment = ST61
t_notice_type = T02
t_trg_freq_assgn = 168.17
old_tv_system = E (for information)
t_trg_long = +00649
t_trg_lat = +4752
t_remarks = This deletion of S Maurice Mos,
t_remarks = BR number 061001676, has
t_remarks = been published in Part C of
t_remarks = Special Section ST61/1428
</NOTICE>
<NOTICE>
t_notice_type = T02
t_fragment = GE89
t_action = ADD
t_adm_ref_id = REU / 3456
t_freq_assgn = 578
freq_vis = 575.25 for information
t_freq_stabl = NORMAL
t_oset_v_12 = +8
t_ctry = REU
t_site_name = S Philippe
t_long = +05542
t_lat = -2121
t_polar = H
t_erp_h_dbw = 20.0
t_tran_sys = K1
t_color = SECAM
t_pwr_ratio = 10
t_hgt_agl = 13
t_site_alt = 240

t_eff_hgtmax = 300
t_remarks = This addition has been published
t_remarks = in part A of Special Section
t_remarks = GE89/4
<COORD>
t_adm = MAU
</COORD>
<ANT_HGT>
t_eff_hgt@azm0 = 0
t_eff_hgt@azm10 = 0
t_eff_hgt@azm20 = 0
t_eff_hgt@azm30 = 0
t_eff_hgt@azm40 = 0
t_eff_hgt@azm50 = 0
t_eff_hgt@azm60 = 0
t_eff_hgt@azm70 = 300
t_eff_hgt@azm80 = 300
t_eff_hgt@azm90 = 300
t_eff_hgt@azm100 = 300
t_eff_hgt@azm110 = 300
t_eff_hgt@azm120 = 300
t_eff_hgt@azm130 = 300
t_eff_hgt@azm140 = 300
t_eff_hgt@azm150 = 300
t_eff_hgt@azm160 = 300
t_eff_hgt@azm170 = 300
t_eff_hgt@azm180 = 300
t_eff_hgt@azm190 = 300
t_eff_hgt@azm200 = 300
t_eff_hgt@azm210 = 300
t_eff_hgt@azm220 = 300
t_eff_hgt@azm230 = 300
t_eff_hgt@azm240 = 300
t_eff_hgt@azm250 = 300
t_eff_hgt@azm260 = 300
t_eff_hgt@azm270 = 300
t_eff_hgt@azm280 = 0
t_eff_hgt@azm290 = 0
t_eff_hgt@azm300 = 0
t_eff_hgt@azm310 = 0
t_eff_hgt@azm320 = 0
t_eff_hgt@azm330 = 0
t_eff_hgt@azm340 = 0
t_eff_hgt@azm350 = 0
</ANT_HGT>
<ANT_DIAGR_H>
t_attn@azm0 = 2
t_attn@azm10 = 1

```
t_attn@azm20 = 1
t_attn@azm30 = 0
t_attn@azm40 = 0
t_attn@azm50 = 0
t_attn@azm60 = 0
t_attn@azm70 = 0
t_attn@azm80 = 0
t_attn@azm90 = 0.0
t_attn@azm100 = 0
t_attn@azm110 = 0
t_attn@azm120 = 0
t_attn@azm130 = 0
t_attn@azm140 = 0
t_attn@azm150 = 0.0
t_attn@azm160 = 0
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t_attn@azm180 = 0.0
t_attn@azm190 = 0.0
t_attn@azm200 = 0.0
t_attn@azm210 = 0.0
t_attn@azm220 = 0.0
t_attn@azm230 = 0.0
t_attn@azm240 = 0
t_attn@azm250 = 0.0
t_attn@azm260 = 0.0
t_attn@azm270 = 0.0
t_attn@azm280 = 0.0
t_attn@azm290 = 0.0
t_attn@azm300 = 0.0
t_attn@azm310 = 0.0
t_attn@azm320 = 0.0
t_attn@azm330 = 0.0
t_attn@azm340 = 1.0
t_attn@azm350 = 1
</ANT_DIAGR_H>
</NOTICE>
<NOTICE>
t_fragment = GE89
t_notice_type = T02
t_action = COORDINATION
t_trg_freq_assgn = 546
freq_vis = 543.25 for information
t_trg_long = +05516
t_trg_lat = -2104
t_remarks = This is a test example of
t_remarks = coordination update for an
t_remarks = existing pending notice (S Leu,
t_remarks = REU), published in Part A of
t_remarks = Special Section GE89/4.

<COORD>
t_adm = MDG
t_adm = MAU
t_adm = COM
t_adm = AFS
</COORD>
</NOTICE>
<TAIL>
t_num_notices = 6
</TAIL>
```

ANNEX 3

Detailed data information and validation rules

This Annex gives detailed information on the data to be notified, validation principles that will be applied and further explanations when necessary.

1 t_char-set (only for electronic notification)

This information is optional. If not specified, the default value is ISO-8859-1. This is also currently the only acceptable value.

2 t_d_sent (only for electronic notification)

This information is optional. It is equivalent to the date of the covering letter accompanying paper notices. It shall be a valid date. This field shall not be mixed up with the Date of the notice (**t_d_adm_ntc**) that also appears on individual paper notices.

3 t_email_addr (only for electronic notification)

This information is optional. If notified, it will be used by the Bureau for any correspondence related to the completeness and validity of the notices included in the file.

4 column B of the Preface
Notifying administration
t_adm in HEAD section

This information is mandatory. It shall correspond to the code of the notifying administration. Note that this information is in the header of electronic notices and therefore applies to all notices in the file, whereas it appears on each individual paper notice.

5 t_notice_type (only for an electronic notice)

This information is mandatory for addition, modification, coordination, admid, withdraw and suppress notices. The value shall be T01 for VHF sound broadcasting or T02 for television broadcasting.

6 Date of Notice
t_d_adm_ntc

The date that the administration gives to the notice. It may be different from the date at which the file or the covering letter is sent. This information is optional.

7 Modification to a Plan or notification under Article S11
t_fragment

This information is mandatory for addition, modification, suppression, coordination and update of Administration Unique Identifier. For notification in conformity to a Plan and for request for publication in Part B, this is replaced by the Plan name, **t_plan**. On the paper notices for addition and modification, one box and only one shall be checked.

On electronic notices:

- for VHF sound broadcasting, the values for the fragment may be: ST61, GE84 or NTFD_RR for notification in accordance with the Radio Regulations;

For television broadcasting, the values for the fragment may be: ST61, GE89 or NTFD_RR.

NOTE - This is a deviation from the proposal in CR/63, where a blank Plan Name was associated with Article S11. It has been found preferable to indicate a value for notices in accordance with Article S11, in order to avoid confusion when the value is missing.

8 Plan name
t_plan

This information is mandatory for notification of assignments with all technical characteristics as in the Plan (**CONFORM** action) and for requests for publication in Part B (**PARTB** action). It may have the following values: ST61, GE84 or GE89.

9 Add/Modify indicator
t_action

On the paper notices for additions and modifications, one box and only one shall be checked. The action is explicitly indicated on the simplified paper notices.

On electronic notices, t_action may have the following values:

ADD	to add an assignment
MODIFY	to modify an assignment
SUPPRESS	to suppress an assignment
CONFORM	to add or modify an Article S11 assignment which conforms to a Plan assignment
COORDINATION	to update a notice under treatment to show all successful coordinations
ADMINID	to insert or update the Administration Unique Identifier for an assignment
PARTB	to request publication of a notice in Part B of Special Section, once the coordination procedure of the Plan has been completed
WITHDRAW	to withdraw a notice still under treatment

Please note that a modification notice should contain all necessary information, as it will completely replace the existing assignment in the concerned fragment.

10 Administration Unique Identifier
t_adm_ref_id

This field is optional for actions **ADD**, **MODIFY** and **CONFORM**, mandatory for **ADMINID** and shall not be notified in the other cases. The allowed characters for this field are limited to upper-case letters A to Z, digits 0 to 9, space, parenthesis, dash and forward slash for both electronic and paper notices. If notified, it may be used in the future for modifying, deleting or, generally for making reference to this particular assignment. However, if notified, this field shall be unique for the notifying administration in the given fragment.

This is a new field. It is *not* on existing notice forms. Administrations should take care not to confuse this new field with the older, and now obsolete, field named "Administration Serial Number". Duplicate values were allowed in the older field. Duplicate values are *not* allowed in this new field. An administration should not use this new field unless it intends to use this field as its *unique* identifier.

The Bureau anticipates that this new field will be used primarily with electronic notices, and that, most frequently, it will represent an internal key in the administration's data base. However,

administrations who wish to use this field on paper notices are free to do so, providing that the field, when specified, is *unique*.

11 Administration Unique Identifier of the target
t_trg_adm_ref_id

This field may be used to uniquely identify the assignment to be modified or suppressed, or the notice under treatment to be updated or withdrawn. For an addition notice, this field shall not be notified. For a modification notice, if the Administration Unique Identifier of the target is notified and the same identifier does not exist for the same administration in the same fragment, it will be considered as an addition.

12 Plan Administration Unique Identifier
t_plan_adm_ref_id

This field may be used to uniquely identify the assignment of the Plan to be copied to the Master Register. It shall not be notified in the other cases.

13 columns 3A1 and 3A2 of the Preface
Call Sign and Station Identification
t_call_sign and t_station_id

These fields are optional for actions **ADD** and **MODIFY** and shall not be notified in the other cases.

If the station identification is present, there is no validation on this field.

The call sign, if present, shall follow the rules for the given administration.

14 Column 1A of the Preface
Assigned frequency
t_freq_assgn

This information is mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases. The Regional Plans (ST61, GE84 and GE89) cover limited frequency bands, therefore notices related to the update of these Plans shall bear assigned frequencies within these frequency bands.

It should be noted that, in the original proposal for notice T02 (television), the assigned frequency was replaced by the nominal vision carrier frequency. However, in view of the rapid development in digital television, where this notion does not apply any more, the Bureau felt more reasonable to return to the notion of assigned frequency, applicable to all cases. Thus the use of the same channel by an analog or digital television system would show the same assigned frequency.

15 Assigned frequency of the target
t_trg_freq_assgn

Together with the geographical coordinates of the target, this field shall be used to uniquely identify the assignment to be modified or suppressed, or the notice under treatment to be updated or withdrawn, if the Administration Unique Identifier of the target is not given. For an addition notice, this field shall not be notified. For a modification notice, if there is no assignment for the same administration in the same fragment with the given assigned frequency and coordinates, it will be considered as an addition.

16 Plan assigned frequency
t_plan_freq_assgn

Together with the plan geographical coordinates, this field shall be used to uniquely identify the assignment to be copied (through a **CONFORM** action), if the plan Administration Unique Identifier is not given. It shall not be notified in the other cases.

17 Column 7A1 of the Preface
Necessary Bandwidth
t_bdwdth

For notice type T01, the field is mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases.

For notice type T02, if this information is given, it will be ignored.

NOTE - In the original proposal in Circular-letter CR/63, this field was not incorporated. However, in the reformatting process, it appeared that for the same transmission system in VHF sound broadcasting, different bandwidths could be notified. The bandwidth is necessary for determining if a frequency assignment stays within the band allocated to the service, and therefore if it conforms to the Table of Frequency Allocation. The situation is different for television, where the television system is sufficient to determine the necessary bandwidth.

18 Frequency stability
t_freq_stabl

For notice type T01, the field shall not exist.

For notice type T02, the field is mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases. Acceptable values are RELAXED, NORMAL and PRECISION on electronic notices, abbreviated as R, N or P for paper notices. Relaxed corresponds to the minimum frequency stability in Appendix S2 of the Radio Regulations. If the frequency stability is NORMAL, non-precision offset is possible, and if the frequency stability is PRECISION, precision offset is possible. See Recommendation ITU-R BT.655.

Under GE89 Agreement, the frequency stability shall be Normal or Precision;

Under ST61 Agreement, the frequency stability shall be Normal or Precision if the effective radiated power is equal to or more than 30dBW for bands below 470 MHz, or if the effective radiated power is equal to or more than 40dBW for bands above 470 MHz.

19 Column 1E of the Preface
Frequency Offset (1/12th of line frequency) and Frequency Offset (kHz)
t_oset_v_12 and t_oset_v_khz

This is the vision frequency offset.

For notice type T01, the fields shall not exist.

For notice type T02, one of these fields is mandatory if frequency stability is Normal or Precision for actions **ADD** and **MODIFY,** and these fields shall not be notified in the other cases. They will be ignored if the frequency stability is Relaxed.

Offset can be notified as a fraction of the line frequency of the television system concerned or in kHz with +/- sign.

Allowed values for offset expressed as a fraction of the line frequency of the television system are 0 or integer in the range from -399 to +399. Allowed values for offset expressed in kHz are between -500 and +500 and may contain decimals.

NOTE - The Regional Agreements ST61 and GE89 and the original notice forms only allowed the use of offset expressed in 1/12th of line frequency. However, it is noted that whole ITU Regions outside the ST61 and GE89 planning areas more often express these offsets in kHz, and that for digital television, offsets in kHz will be the only possibility. Therefore, form T02 allows a choice between these two expressions of the same physical information.

20 Sound Frequency Offset (1/12th of line frequency) and Sound Frequency Offset (kHz)
t_oset_s_12 and t_oset_s_khz

For notice type T01, the fields shall not exist.

For notice type T02, analog television, one of these fields is optional if frequency stability is Normal or Precision for actions **ADD** and **MODIFY** and these fields shall not be notified in the other cases. They will be ignored if the frequency stability is Relaxed.

By default, if the frequency stability is Normal or Precision. the value is equal to the vision frequency offset. The same rule as for vision frequency offset apply.

NOTE - In the original notice form in Circular-letter CR/63, this field was missing, and Administrations requested it. It is therefore incorporated in the database and shown as a field in the electronic notices. However, the cases where sound frequency offset are different from the vision frequency offset are rare, therefore this field does not appear on the paper notice form. If a special sound offset is necessary, the notifying administration submitting a paper notice should indicate this in the Remarks column.

21 Column 4B of the Preface
Geographical area
t_ctry

The code of the geographical area where the antenna site is located. This field is mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases.

Allowed values are in the Table of country symbols (Table B1 of the Preface).

For Plan fragments, the geographical area shall be within the list of geographical areas in the Planning area.

22 Column 4A of the Preface
Transmitting Antenna Site Name
t_site_name

The field is mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases. The allowable characters are the printable characters in the ISO 8859-1 coded character set. However, for both electronic and paper notices, it is recommended to use upper-case letters A to Z, digits 0 to 9 and space.

23 Column 4C of the Preface
Geographical Coordinates
t_long and t_lat

These fields are mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases. The geographical coordinates are checked vis-à-vis the ITU geographical borders database (IDWM) to verify that the corresponding point does not fall in another geographical area than the one notified or in the sea at the distance more than 10 km from the border.

24 GEOGRAPHICAL Coordinates of the target
t_trg_long and t_trg_lat

Together with the assigned frequency of the target, these fields shall be used to uniquely identify the assignment to be modified or suppressed, or the notice under treatment to be updated or withdrawn, if the Administration Unique Identifier of the target is not given. For an addition notice, these fields shall not be notified. For a modification notice, if there is no assignment for the same administration in the same fragment with the given assigned frequency and coordinates, it will be considered as an addition.

25 Plan Geographical Coordinates
t_plan_long and t_plan_lat

Together with the plan assigned frequency, these fields shall be used to uniquely identify the assignment to be copied (through a **CONFORM** action), if the plan Administration Unique Identifier is not given.

26 Column 9D of the Preface
Polarization
t_polar

The polarization of the transmission. This field is mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases. Possible values are H for horizontal, V for vertical and M for mixed. Please note that GE89 Agreement does not accept mixed polarization.

27 Column 8BH of the Preface
Maximum effective radiated power of the horizontally polarized component
t_erp_h_dbw

The maximum horizontally polarized Effective Radiated Power (dBW). For analogue television, this is the maximum effective radiated power of the horizontally polarized component for the vision carrier, independent of azimuth and beam tilt. For additions and modifications, this information is mandatory if the polarization is H or M and should not exist if the polarization is V.

28 Column 8BV of the Preface
Maximum effective radiated power of the vertically polarized component
t_erp_v_dbw

The maximum vertically polarized Effective Radiated Power (dBW). For analogue television, this is the maximum effective radiated power vertically polarized component for the vision carrier, independent of azimuth and beam tilt. For additions and modifications, this information is mandatory if the polarization is V or M and should not exist if the polarization is H.

29 Column 9 of the Preface
Directivity of antenna (for paper notices only)

This field shall bear either D if the antenna is directional or ND if it is non-directional. It is mandatory for additions and modifications on paper notices, and allows the BR to ensure that the second page containing the attenuation pattern (if directional) has been annexed. On electronic notices, this information is deduced from the existence or non existence of an attenuation sub-section.

30 Column 7C1 of the Preface
Television system or transmission system
t_tran_sys

The transmission system. for additions and modifications, this information is mandatory for television notices and for VHF sound broadcasting notices related to GE84, and corresponding Article S11 notices. Acceptable values are given in Recommendation ITU-R BT 470 for television (see also Table 7C1 of the Preface), and in GE84 Agreement for VHF sound broadcasting. For other systems, including digital, a code will be attributed by the Bureau.

31 Column 7C2 of the Preface
Television color system
t_color

The color system, for analog television notices only. This field is optional for actions **ADD** and **MODIFY** and shall not be notified in the other cases. On electronic notices, it may be equal to "NTSC", "PAL", or "SECAM". On paper notices, abbreviation N, P or S shall be used (see also Table 7C2 of the Preface).

32 Column 8D of the Preface
Vision to sound power ratio
t_pwr_ratio

The power ratio (dB) between the effective radiated power of the vision carrier and the effective radiated power of the primary sound carrier. This information is mandatory for analogue television notices for actions **ADD** and **MODIFY** and shall not be notified in the other cases. Recommendation ITU-R BT.470 gives acceptable values of vision to sound power ratio for different television systems.

33 Column 9E of the Preface
Height of antenna above ground level
t_hgt_agl

The height (metres) of the centre of radiation above ground level. This information is mandatory for actions **ADD** and **MODIFY** relating to GE84, GE89 and corresponding Article S11 notices. It is recommended to use this field in all cases where action is ADD or MODIFY.

34 Column 9EA of the Preface
Altitude of the site above sea level
t_site_alt

The height (metres) above sea level of the ground level at the antenna site. This information is mandatory for actions **ADD** and **MODIFY** related to GE84, GE89 and corresponding Article S11 notices. It is recommended to use this field in all cases where action is ADD or MODIFY

35 Column 9EB of the Preface
Maximum effective antenna height
t_eff_hgtmax

The maximum effective height (metres). This information is mandatory for actions **ADD** and **MODIFY** and shall not be notified in the other cases.

36 Column 12B of the Preface
Address code
t_addr_code

For Article S11 notifications (t_fragment=**NTFD_RR**), the field is mandatory for actions **ADD, MODIFY** and **CONFORM** and shall not be notified in the other cases. If the geographical area is valid, the address code shall be found in the Table of address codes of the Preface (Table 12B) for this geographical area.

For all plan notifications the field shall be blank. If a value is present, it will be ignored.

37 Column 12A of the Preface
Operating Agency
t_op_agcy

For Article S11 notifications (t_fragment=**NTFD_RR**), the field is optional for actions **ADD, MODIFY** and **CONFORM** and shall not be notified in the other cases.

If the geographical area is valid and operating agency symbol is present it shall be found in the table of operating agency symbols in the Preface (Table 12B).

For all plan notifications the field shall be blank. If a value is present it will be ignored.

38 Column 2C of the Preface
Date of bringing into use of frequency assignment
t_d_inuse

For Article S11 notifications (t_fragment=NTFD_RR), the field is mandatory for actions **ADD, MODIFY** and **CONFORM** and shall not be notified in the other cases. According to Article S11.24, the notification form shall not reach the Bureau more than three months before the date of bringing into use.

For all plan notifications the field shall be blank. If a value is present it will be ignored.

39 Column 10B of the Preface
Regular hours of operation (From and To)
t_op_hh_fr and t_op_hh_to

For Article S11 notifications (t_fragment=NTFD_RR), the field is optional for actions **ADD, MODIFY** and **CONFORM** and shall not be notified in the other cases. Default values are 00:00 to 24:00. Please note that the hours are expressed in hours and minutes, GMT. If notified for Plan modifications, these fields will be ignored.

40 Additional remarks
t_remarks

This field is optional. It is not validated. Any information in this field will be captured as is. On paper forms, the field may also be used for data capture particularities (see for example sound frequency offset).

Coordination sub-section

41 Column 11 of the Preface
Coordination successfully completed
t_adm in COORDINATION sub-section

The coordination sub-section contains multiple occurrence of administration codes. The paper forms contains 12 such boxes. On electronic forms, any number of administration codes is possible. Administration codes shall correspond to administration symbols in Table 2A of the Preface to the International Frequency list.

Effective antenna height sub-section

42 Column 9EC of the Preface
Effective antenna height at different azimuths
t_eff_hgt@azmzzz in ANT_HGT sub-section

The effective antenna height sub-section contains 36 values of effective antenna heights (m), in azimuths 0, 10, … 350 degrees. The paper forms clearly indicates the concerned azimuths. On electronic forms, the value of effective antenna height in azimuth zzz degrees shall be preceded by the key **t_eff_hgt@azmzzz**. Duplication of keys for a given azimuth will be considered as an error, and a key corresponding to an azimuth not multiple of 10 degrees will be ignored.

43 Columns 9NH and 9NV of the Preface
Attenuation of the horizontal and vertical components sub-sections
t_attn@azmzzz in ANT_DIAGR_H and the ANT_DIAGR_V sub-sections

The subsection of attenuation of the horizontal component shall be filled if the antenna is directional and the polarization is horizontal or mixed. Similarly, the subsection of attenuation of the vertical component shall be filled if the antenna is directional and the polarization is vertical or mixed. The attenuation sub-sections contain 36 values of attenuation (dB), in azimuths 0, 10, … 350 degrees. The paper forms clearly indicates the concerned azimuths. On electronic forms, the value of attenuation in azimuth zzz degrees shall be preceded by the key **t_attn@azmzzz**. Duplication of keys for a given azimuth will be considered as an error, and a key corresponding to an azimuth not multiple of 10 degrees will be ignored.

44 t_num_notices (only for electronic notification)

The number of notices contained in the file. This information is mandatory. If the Bureau's count of the number of notices in the file differs from this value, the Bureau will presume that the file has been corrupted, and will notify the administration submitting the notices. Although this field only exists for electronic notification, it is recommended that the covering letter accompanying the paper notices indicate the number of notices, for the Bureau to verify that all notices have been received.

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