



Radiocommunication Bureau
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Circular Letter
CR/289

24 July 2008

To Administrations of Member States of the ITU

Subject: Submission of frequency assignment/allotment notices regarding terrestrial services

References: 1) Resolution 906 from the World Radiocommunication Conference, Geneva, 2007
2) Appendix 4 to the Radio Regulations as revised by WRC-07

To the Director General

Dear Sir/Madam,

1 The World Radiocommunication Conference (Geneva, 2007) (WRC-07) decided that, from 1 January 2009, the submission of notices for terrestrial services to the Radiocommunication Bureau shall be in electronic format only (see Resolution 906 (WRC-07) in **Annex 1** to this Circular Letter). WRC-07 also revised Annex 1 to Appendix 4 of the Radio Regulations, which deals with characteristics of stations in the terrestrial services, and decided that the revised version shall enter into force on 1 January 2009. WRC-07 also instructed the Radiocommunication Bureau to refine and complete the specification of the electronic format to be used for the submission of notices for terrestrial services, as may be required after the revision of Appendix 4 by WRC-07.

2 The Bureau analyzed the decisions of WRC-07 in this respect and their impact on the current specifications of the electronic format for notices in terrestrial services and concluded that some adjustments to the current specifications were necessary. A brief summary of the changes agreed by WRC-07 is included in **Annex 2** to this Circular Letter. The Bureau considers that the impact of these changes on the current electronic formats for the submission of notices for terrestrial services (other than notices related to high-altitude platform stations (HAPS) in terrestrial services) is rather low and could be implemented smoothly, with no substantive intervention in the current software tools of the Bureau and of the ITU membership. However, the specifications regarding HAPS in terrestrial services are substantively different from the current practices and their implementation would require substantive additional developments. Consequently, the notification of HAPS will be addressed in a separate Circular Letter once the Bureau completes the necessary studies and software.

3 In view of the above and in order to ensure smooth transition towards the submission in electronic format only, the Bureau decided to maintain the file format currently in use. It is to be noted that the Bureau intends, in the frame of the overall improvement of the notification process, to make available an alternative XML (Extensive Markup Language) file notification format, after the appropriate consultation is carried out with the ITU membership in this respect.

4 With this background, the Bureau invites administrations, as from 1 January 2009, to submit notices to terrestrial services in electronic format only, in the context of all procedures that are applicable to terrestrial services (i.e. the coordination under Article 9 of the Radio Regulations, the notification in accordance with Article 11 of the Radio Regulations, the plan modification procedure governed by Appendix 25 of the Radio Regulations, the plan modification procedures governed by various regional agreements such as ST61, GE75, RJ81, RJ88¹, GE84, GE85, GE89, GE06). It is to be noted that the requirement for electronic submission of the information in the context of Article 12 of the Radio Regulations is already in force (since 8 December 1998).

5 An overview of the file format/data items for submission of electronic notices related to terrestrial services is provided in **Annex 3** to this Circular Letter. Further indications will be provided in subsequent addenda to this Circular Letter and on the ITU web site, at the address <http://www.itu.int/ITU-R/terrestrial/index.html>.

6 The Radiocommunication Bureau is also adapting the existing data capture software to handle the revised electronic formats. The Bureau will inform administrations of the Member States of the status of the development of all these applications through its ITU web site, at the address indicated above.

7 To assist the administrations in familiarizing themselves further with the revised electronic notices, the Bureau will present this subject, including the delivery of the revised software tools and other relevant subjects, at the forthcoming seminars and workshops, starting with the biennial BR Seminar in Geneva, from 8 to 12 December 2008 (see [Administrative Circular CA/174](#) dated 30 June 2008).

8 The Bureau remains at the disposal of your Administration for any clarification you may require with respect to the subjects covered in this Circular Letter.

Yours faithfully,

Valery Timofeev
Director, Radiocommunication Bureau

Annexes: 3

Distribution :

- Administrations of Member States of ITU
- Members of the Radio Regulations Board

¹ Given the fact that no proposal for modification of the RJ88 Plan has been received so far, and bearing in mind the limited number of data elements required for the application of the plan modification procedure in the context of the RJ88 Agreement, the administrations intending to modify the RJ88 Plan are invited to contact the Bureau for appropriate guidance.

ANNEX 1

RESOLUTION 906 (WRC-07)

**Submission of notices for terrestrial services to
the Radiocommunication Bureau**

The World Radiocommunication Conference (Geneva, 2007),

considering

- a)* that the electronic format for submission of notifications concerning terrestrial services under Article **11** and Plans annexed to Regional Agreements has been used by the Radiocommunication Bureau since September 1994;
- b)* that the “BR High Frequency Broadcasting Schedule” (HFBC Schedule) and the “BR International Frequency Information Circular” (BR IFIC) are the only regulatory publications resulting from the application of Chapter **III** and the associated Regional Agreements, and that the HFBC Schedule has been published every month, except the month of June, in CD-ROM format since January 1999, while the BR IFIC has been published every two weeks in CD-ROM format since 11 January 2000 and, subsequently, for terrestrial services, in DVD-ROM format since September 2005;
- c)* that, since 8 December 1998, submission of HFBC requirements under Article **12** has been in electronic format only;
- d)* that, since 3 June 2001 for space services, all notice forms (AP4/II and AP4/III), radio astronomy notices (AP4/IV) and advanced publication information (AP4/V and AP4/VI) and due diligence information (Resolution **49 (Rev.WRC-07)**) for satellite networks and earth stations submitted to the Radiocommunication Bureau pursuant to Articles **9** and **11** have been submitted in electronic format only;
- e)* that, from 7 December 2004, the submission of digital broadcasting requirements to be used for the planning exercise and the development of a draft plan for the second session of the Regional Radiocommunication Conference for the planning of digital terrestrial broadcasting in parts of Regions 1 and 3, in the frequency bands 174-230 MHz and 470-862 MHz (RRC-06), were only provided in electronic format;
- f)* that RRC-06 decided that all submissions in the application of Articles 4 and 5 of the GE06 Regional Agreement shall be in electronic format only;
- g)* that preparation of notices for terrestrial services in electronic format would allow administrations to validate the data prior to submission using Radiocommunication Bureau software tools;
- h)* that submission of notices for terrestrial services in electronic format would remove the need for the Radiocommunication Bureau to transcribe the data, avoid the potential for the introduction of errors and reduce the data processing effort required by the Radiocommunication Bureau;
- i)* that the introduction of the submission of notices for terrestrial services only in electronic format may require appropriate training on the Radiocommunication Bureau’s software tools, especially in developing countries;

- j) that, for some administrations, the submission of notices for terrestrial services only in electronic format may require the adaptation of their national procedures and the development of appropriate electronic facilities;
- k) that information in electronic format could be used to fulfil administrations' database requirements and facilitate the exchange of information between administrations and with the Radiocommunication Bureau,

further considering

- a) that the use of an electronic format for the submission of notices for terrestrial services to the Radiocommunication Bureau would reduce its costs;
- b) that the revision of Appendix 4, at this Conference, would facilitate the administrations' and the Radiocommunication Bureau's transition to the use of an electronic format for the submission of notices for terrestrial services;
- c) that the Radiocommunication Bureau has already developed an electronic format for submission of all notice types for terrestrial services;
- d) that the large majority of notices for terrestrial services received by the Radiocommunication Bureau are already submitted only in electronic format,

resolves

- 1 that, from 1 January 2009, the submission of notices for terrestrial services to the Radiocommunication Bureau shall be in electronic format only;
- 2 that administrations are encouraged to discontinue usage of paper notices as soon as possible and to inform the Radiocommunication Bureau accordingly;
- 3 that administrations are encouraged to use, as soon as possible, an electronic format and electronic facilities for the exchange of coordination data between administrations,

instructs the Director of the Radiocommunication Bureau

- 1 to refine and complete the specification of the electronic format to be used for the submission of notices for terrestrial services, as may be required after the revision of Appendix 4 at this Conference;
- 2 to provide assistance, as required, to any administration, particularly in the transition to use of the electronic format for the submission of notices for terrestrial services;
- 3 to include in radiocommunication seminars appropriate training in the use of the electronic format for the submission of notices for terrestrial services,

invites the Secretary-General

to consider the provision free of charge of suitable software and/or hardware for any least developed countries that so request.

ANNEX 2

General indications regarding the changes in the description of data items and submission requirements for terrestrial stations set forth in Appendix 4 (Rev.WRC-07)

1 Background information

1.1 WRC-07 reviewed the descriptions of the data items and the submission requirements regarding the terrestrial services, as they appeared in the former Annexes 1A and 1B to Appendix 4 (Rev.WRC-03) with the following objectives:

- (i) to incorporate, in the relevant parts of Appendix 4, the data elements related to services and bands governed by the GE06 Agreement, which are required for the application of the relevant radio regulatory procedures by the Bureau and the administrations of the Member States that are parties to the GE06 Agreement;
- (ii) to review and to correct the inconsistencies related to data items included in Annexes 1A and 1B of Appendix 4 (Rev.WRC-03) on the basis of the Director's report to WRC-07 and other contributions in this respect;
- (iii) to consolidate, in one single place (i.e. in Appendix 4) all specifications regarding the data elements that are required for the application of the relevant procedures for all terrestrial services, given the fact that some specifications (e.g. those related to high altitude platform stations (HAPS)) appeared in other places outside the Appendix 4;
- (iv) to formulate the relevant specifications in a manner which is appropriate for submission in electronic format.

1.2 As a result of these considerations, WRC-07 took the following decisions:

- (i) to merge the former Annexes 1A and 1B in a single Table 1 of Annex 1 which deals with all terrestrial services (with the exception of HAPS in terrestrial services) and which specifies the submission requirements for the relevant services in the context of the applicable procedures (coordination under Article 9 of the Radio Regulations, notification in accordance with Article 11 of the Radio Regulations, submissions in the context of the plan modification procedure governed by Appendix 25 of the Radio Regulations, submissions in the context of the seasonal planning of the HF broadcasting in the context of Article 12 of the Radio Regulations) in a consistent manner (i.e. by correcting the apparent inconsistencies that were reported to WRC-07, such as the removal of the specifications regarding the form of notice T16 which is applicable only in the frame of the plan modification procedure referred to in the GE85M Agreement);
- (ii) to include in Table 1 of Annex 1 the data elements and the submission requirements, for the bands and services governed by the GE06 Agreement, that are relevant for the application of the radio regulatory procedures by the Bureau and the administrations of the Member States that are parties to the GE06 Agreement;
- (iii) to include in Table 2 of Annex 1 the data elements and the submission requirements for HAPS in the terrestrial services.

2 Overview of the main differences in the descriptions of data items and submission requirements for terrestrial stations set forth in Appendix 4 (Rev.WRC-03) and Appendix 4 (Rev.WRC-07)

2.1 Apart from the removal of references to notice forms and changes with a view to improving the layout, Annex 1 to Appendix 4 (Rev.WRC-07) now specifies the submission requirements in a clearer manner, especially in those cases where the submission of a data element is required under specific conditions. It is to be noted that the new Annex 1 to Appendix 4 (Rev.WRC-07) now specifies the submission of the following data elements, whose submission was not envisaged previously: D, ID3, 1AA, 1AB, 7D, 9EP, 9NA, 9T1, 11D. On the other hand, former item 7B has been removed.

2.2 The major part of the substantive changes in Annex 1 to Appendix 4 (Rev.WRC-07) concerns the inclusion of the data elements that are required for the application of Article 11 procedure by the Bureau and the Members States that are parties to the GE06 Agreement, in the bands and for services that are governed by the GE06 Agreement. Such changes have no impact on the current submission requirements that are applicable to the Member States that are not parties to the GE06 Agreement.

2.3 In addition to the incorporation of the data elements and the submission requirements for the bands and services governed by the GE06 Agreement, WRC-07 also modified the indications alongside some data elements (such as 1A, 1B, 5E, 5F, 6A, 7D, 8, 8A, 8B, 9G,10B) as well as some data item definitions (such as 9L). As a result of these actions, WRC-07 amended Annex 1 to Appendix 4 (Rev.WRC-7) with a view to eliminating the reported inconsistencies and to deleting some obsolete data elements.

2.4 Tables A2-1 and A2-2 hereunder provide a summary of the changes to Appendix 4 as decided by WRC-07 and the consequences on the electronic notification process resulting from these changes.

TABLE A2-1

Summary of changes to data items of Appendix 4 (Rev.WRC-07) and observations regarding the impact of these changes on electronic notification

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Description (AP4)	Remarks ²	Action required with respect to current notification rules
1.2	D	t_prov	Provision code of the Radio Regulations under which the notice has been submitted	New (see Note 1)	ADD to notice types : T01, T02, G02, GB1, GS1, GT1, T03, T04. No change for all other notice types (already existing)
1.3	E	t_is_resub	Resubmission indicator	New	No change
1.4.1	SYNC	t_sync_net	Identification symbol for the synchronized network		No change (Applicable to notice types: T03, T04)
		t_sfn_id	Identification symbol for the single frequency network	New	No change (Applicable to notice types: GS1, GT1, GB1)

² The indication “New” in this column means that the concerned data item was added by WRC-07 or its meaning was modified. The indication “-“ means that the addition or the modification of this item represents an update to Appendix 4 with a view to reflect the applicable notification practices. See also the notes to Table A2-1, where appropriate.

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Description (AP4)	Remarks ²	Action required with respect to current notification rules
1.4.2	ID1	t_adm_ref_id	Unique identification code given by the administration to the assignment or allotment	New	No change
1.4.3.1	ID2	t_assoc_allot_id	Unique identification code given by the administration for the associated allotment	New	No change
1.4.3.2	ID3	t_plan_adm_ref_id	Unique identification code given by the administration to the digital broadcasting Plan entry	New	ADD to notice types : GS1, GT1 (requires update of AP4 by WRC-11) CHANGE item key from t_plan_trg_adm_ref_id to t_plan_adm_ref_id (for notice types G02, GB1)
1.4.3.3	DEC	t_plan_entry	Digital broadcasting Plan entry code that identifies the category of Plan entry to which the assignment belongs	New	No change
1.4.3.4	DAC	t_assgn_code	Digital broadcasting assignment code	New	No change
1.5.7	1AA	t_freq_min	Lower limit of the usable frequency range within which the carrier and the bandwidth of the emission will be located	New (redefined) (see Note 2)	New item key Applicable to notice type T17
1.5.8	1AB	t_freq_max	Upper limit of the usable frequency range within which the carrier and the bandwidth of the emission will be located	New (see Note 2)	New item key Applicable to notice type T17
1.5.10.1	1EO	t_offset_khz	Frequency offset, in kHz	New	No change
1.5.11.3.1	1EA	t_ose_t_s_12	Sound carrier frequency offset, in multiples of 1/12 of the line frequency of the television system concerned	New	No change
1.5.11.3.2	1E1A	t_ose_t_s_khz	Sound carrier frequency offset, in kHz	New	No change
2.2	2E	t_d_expiry	Date for the end of operation of a frequency assignment (conditions specified in the GE06 Agreement)	New	No change
3.1	3A1	t_call_sign	Call sign used in accordance with Article. 19	New (Former AP4 item 3A split into 3A1 and 3A2)	No change
3.2	3A2	t_station_id	Station identification used in accordance with Article 19	New (Former AP4 item 3A split into 3A1 and 3A2)	No change
4.2	4AA	t_site_name	Name of the location of the intended coast station (AP 25/1.1.1)	New	No change
4.5	4CA	t_long; t_lat	Geographical coordinates of the intended coast station (AP 25/1.1.1)	New	No change
4.7.1	4CC	t_long; t_lat	Geographical coordinates of the centre of the circular zone, in which mobile transmitting stations associated with a receiving land station, or a typical transmitting station are operating	New	No change
5.4.1	5CA	t_long; t_lat	Geographical coordinates of a given reception zone	New	No change

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Description (AP4)	Remarks ²	Action required with respect to current notification rules
7.1	7A	t_emi_cls	Class of emission	New (redefined) (Former AP4 item 7A (designation of emission) split into new 7A and 7AB)	No change
7.2	7AB	t_bdwidth	Necessary bandwidth	New (Former AP4 item 7A (designation of emission) split into new 7A and 7AB)	No change (Applicable to notice types: T01, T03, T04, GB1)
		t_bdwidth_cde			No change (Applicable to notice types: T11, T12, T13, T14, T15, T17, G11, G12, G13, G14)
7.3.4	7B2	t_rj81_cls	"RJ81 class" (A, B or C)	New	No change
7.3.5	7G	t_system_type	System code	New	No change
7.3.6	7C1	t_tran_sys	Code identifying the television system	-	No change (Applicable to notice type T02)
		t_sys_var	Code identifying the digital television system (applies to submissions governed by the GE06 Agreement)	New	No change (Applicable for notice type GT1)
7.3.8	7D	t_tran_sys	Code corresponding to the sound broadcasting transmission system	-	ADD to notice types : T03, T04 (no change for T01)
7.3.9.1	7H	t_ref_plan_cfg	Reference planning configuration	New	No change
7.3.9.2	7J	t_spect_mask	Type of spectrum mask	New	No change
7.3.9.3	7K	t_rx_mode	Reception mode	New	No change
8.3	8AA	t_pwr_ant	Power delivered to the antenna, in dBW	New (see Note 3)	No change
8.5	8AC	t_pwr_dens	Maximum power density (dB(W/Hz)) averaged over the worst 4 kHz band, calculated for the maximum effective radiated power	New	No change
8.10	8BT	t_erp_beam_tilt_dbw	Maximum effective radiated power, in dBW, in the plane defined by the beam tilt angle	New	No change
9.2.2	9GL	t_gain_max_horizon	Antenna gain towards the local horizon	New	No change
9.3.6	9S	t_beam_tilt_angle	Beam tilt angle, in degrees	New	No change
9.4.1	9AB1	t_azm_fr	The start azimuth for the range of operational angles for the antenna's main beam axis, measured in the horizontal plane from True North in a clockwise direction	New (Former AP4 item 9AB split into new 9AB1 and 9AB2)	No change
9.4.2	9AB2	t_azm_to	The end azimuth for the range of operational angles for the antenna's main beam axis, measured in the horizontal plane from True North in a clockwise direction	New (Former AP4 item 9AB split into new 9AB1 and 9AB2)	No change

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Description (AP4)	Remarks ²	Action required with respect to current notification rules
9.5.6	9UH	t_attn@azmxxx	Value of attenuation of the horizontally polarized component in the horizontal plane, normalized to 0 dB, 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 radiated power of this component, in dB	New	No change
9.5.7	9UV	t_attn@azmxxx	Value of attenuation of the vertically polarized component in the horizontal plane, normalized to 0 dB, 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 radiated power of this component, in dB	New	No change
9.7.1	9EP	t_ant_hgt_m	Transmitting antenna's physical length in metres	New	New item key Applicable to notice type T03 This replaces previous item key t_hgt_agl
9.9.2.1	9NA	t_aug_no	Serial number of the augmentation as described by items 91A, 9AA and 9CA	– (see Note 4)	New item key Applicable to notice type T04 (formerly generated by BR)
9.9.3.1	9T1	t_twr_no	Serial number of each of the towers, which are described in fields. Field Ratio, Phase Difference, Spacing, Orientation, Electrical height, and Structure	– (see Note 4)	New item key Applicable to notice type T04 (formerly generated by BR)
10.2	10BA	t_op_prd_cde	Local operation period code: HJ – daytime, HN – nighttime, spaces. See regular hours of operation period start and stop time	New	No change
11.2	11D	t_remark_conds_met	Declaration by the notifying administration that all conditions associated with the remark are fully met for recording the submitted assignment in the Master International Frequency Register	New	ADD to notice types : G02, G11, G12, G13 (requires update of AP4 by WRC - 11)
11.3	11C	t_signed_commitment	Signed commitment from the notifying administration that the submitted assignment for recording in the Master International Frequency Register shall not cause unacceptable interference and shall not claim protection (§ 5.1.8 of the GE06 Regional Agreement)	New	No change

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Description (AP4)	Remarks ²	Action required with respect to current notification rules
11.4	11E	t_signed_commitment	Signed commitment from the notifying administration that the submitted assignment for recording in the Master International Frequency Register shall not cause unacceptable interference and shall not claim protection (§ 5.2.6 of the GE06 Regional Agreement)	New	No change
13.1	13C	t_remarks	Remarks for assisting the Bureau in processing the notice	New	No change
DEL	7B	t_op_cls	Class of operation of the assignment	Removed	DELETED (Previously applicable to notice types : T11, T17)

NOTES to Table A2-1:

NOTE 1 - This data item is required to differentiate, in a file consisting of several assignments or allotments, the proper procedure under which the notice was submitted (e.g. coordination under Article 9 of the RR, notification under Article 11 of the RR, etc.).

NOTE 2 - The former specifications requested the submission, under item 1AA, of information regarding the usable frequency range for use in adaptive systems. WRC-07 modified the specifications and now requests administrations to submit data of the lower and upper limits of the usable frequency range (data items 1AA and 1AB) instead of the assigned frequency and usable frequency range.

NOTE 3 - This data item resulted from the redefinition of the current item 8A and its splitting in two separate items, with two different definitions: 8A (power delivered to the antenna transmission line, in kW) and 8AA (power delivered to the antenna, in dBW), to enable consistent use of these two data elements with other related data elements.

NOTE 4 - The administrations are now required to provide the serial numbers of each augmentation and each tower. Formerly, the Bureau created serial numbers for each augmentation/ tower, which sometimes resulted in incoherent data between those generated by the Bureau and those kept by administrations.

TABLE A2-2

Summary indications regarding the data items of the former Appendix 4 for which notification rules were changed

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Description (AP4)	Action required with respect to notification rules
1.5.1	1A	t_freq_assgn	Assigned frequency, as defined in Article 1	Not required for notice type T17 (adaptive systems) in the fixed or mobile service operating in the bands between 300 kHz and 28 MHz, if the usable frequency range is notified.
1.5.5	1Y	t_chan_no	Channel number of the alternative proposed channel	Applicable only to notice type T15: Optional
1.5.11.3.1	1EA	t_osef_s_12	Sound carrier frequency offset, in multiples of 1/12 of the line frequency of the television system concerned	Required for notice type T02 if data item 1E1A is not provided
1.5.11.3.2	1E1A	t_osef_s_khz	Sound carrier frequency offset, in kHz	Required for notice type T02 if data item 1EA is not provided
5.4.3	5E	t_long/ t_lat	Geographical coordinates of the centre of the circular receiving area	This item and item 5F are mandatory for notice type T12 in GE85M area and bands
5.4.4	5F	t_radius	Radius, in km, of the circular receiving area	This item and item 5E are mandatory for notice type T12 in GE85M area and bands
9.8.2	9GV	t_gain@azmxxx	Antenna gain, in dB, in the vertical plane, at 36 different azimuths in 10° intervals (i.e. 0°, 10°, ..., 350°) measured in the horizontal plane from True North in a clockwise direction, and at ten different elevations in 10° intervals (i.e. 0°, 10°, ..., 90°) measured in the vertical plane	Required for night-time operation

ANNEX 3

Additional indications regarding the file formats for submission of electronic notices related to terrestrial services referred to in Table 1 of Annex 1 to Appendix 4 (Rev.WRC-07)

1 Background information

1.1 In reviewing Appendix 4 of the Radio Regulations (notably, the part dealing with terrestrial services), WRC-07 decided to remove the references to specific forms of notice (such as T01, T11, etc.), which were developed by the Radiocommunication Bureau and which were indicated in former Annex 1B of Appendix 4 (Rev.WRC-03). Such course of action was followed for very specific reasons:

- i) Given the fact that some notice forms quoted in former Annex 1B of Appendix 4 (Rev.WRC-03) were used for several procedures (e.g. for notification purposes under Article 11 of the Radio Regulations and for plan modification procedures under a given Regional Agreement), and bearing in mind that Appendix 4 to the Radio Regulations could deal only with the procedures governed by the Radio Regulations (i.e. those procedures that are governed by Chapter III of the Radio Regulations), it was questioned as to whether the Radio Regulations could specify the submission requirements with respect to the procedures that are governed by other treaties (such as Regional Agreements). Therefore, WRC-07 decided to specify only the submission requirements regarding the mandatory or optional character of a given item in the context of the applicable procedures of Chapter III of the Radio Regulations, without making reference to the applicable notice forms. Such approach enables the Bureau to develop multi-purpose notices, which would offer some advantages to administrations, and with consistent indications regarding the submission requirements in the context of different procedures.
- ii) The concept of notice type, which was used in the former Annex 1B of Appendix 4 (Rev.WRC-03), was primarily intended to cope with paper notices. As such, the concept was based on extensive use of check boxes with a view to minimizing the number of data elements on the paper form itself. Furthermore, and still with the intent to not overload the design of the paper form, some data elements were inherently included in the notice form reference (e.g. class of station BC or BT in the context of notice forms T01-T04, class of emission in the context of notices T01, T03 and T04; necessary bandwidth in the context of notice T04, etc.). Although some information could continue to be derived from the notice type, WRC-07 nevertheless decided to provide complete specifications regarding the submission requirements.

2. Considerations regarding the file format/structure and other indications

2.1 The file structure to be used for submission of electronic notices was described in several Circular Letters and is not reproduced in this Circular Letter. As already mentioned, no change has been implemented with respect to the file format/structure.

2.2 With respect to the data to be submitted, Table A3-1 hereunder provides a summary of the data items that have been added, redefined or deleted, identifying at the same time the section of the notification file to which they belong. The complete set of Appendix 4 data items, together with additional information (corresponding database field and table, etc.) is provided in Section III of the Preface to the BR IFIC. In order to keep this Circular Letter within a reasonable size, and

considering that the new version of the Preface will be published as from 1 of January 2009, the extract from Section III is not reproduced here, but is already available at the following address <http://www.itu.int/ITU-R/terrestrial/pub-reg/notice-forms/index.html>

2.3 The Bureau would like to inform administrations that while this Circular Letter provides information on the changes to notification as a consequence of Appendix 4 (Rev.WRC-07), a new set of consolidated notification guidelines is under preparation and will be made available at the address <http://www.itu.int/ITU-R/terrestrial/pub-reg/notice-forms/index.html>

TABLE A3-1

Summary information regarding new, redefined or deleted data items and their relationship with the notice type and concerned section in the electronic file

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Section	Notice type
1.2	D	t_prov	<NOTICE>	All notices (T01-T04, G02, GB1, GS1, GT1, T11-T17, G11-G14)
1.3	E	t_is_resub	<NOTICE>	G02, GB1, GS1, GT1, T11, T12, T13, T15, T17, G11, G12, G13, G14
1.4.1	SYNC	t_sync_net	<NOTICE>	T03, T04
		t_sfn_id	<NOTICE>	GS1, GT1, GB1
1.4.2	ID1	t_adm_ref_id	<NOTICE>	T01, T02, G02, GB1, GS1, GT1, T11, T12, T13, T15, T17, G11, G12, G13, G14
1.4.3.1	ID2	t_assoc_allot_id	<NOTICE>	GS1, GT1, GB1
1.4.3.2	ID3	t_plan_adm_ref_id	<NOTICE>	G02, GB1, GS1, GT1, G11, G12, G13
1.4.3.3	DEC	t_plan_entry	<NOTICE>	GS1, GT1, GB1
1.4.3.4	DAC	t_assgn_code	<NOTICE>	GS1, GT1, GB1
1.5.7	1AA	t_freq_min	<NOTICE>	T17
1.5.8	1AB	t_freq_max	<NOTICE>	T17
1.5.10.1	1EO	t_offset_khz	<NOTICE>	GS1, GT1
1.5.11.3.1	1EA	t_aset_s_12	<NOTICE>	T02, GB1
1.5.11.3.2	1E1A	t_aset_s_khz	<NOTICE>	T02, GB1
2.2	2E	t_d_expiry	<NOTICE>	GS1, GT1, G02, GB1, G11, G12, G13, G14
3.1	3A1	t_call_sign	<NOTICE>	T01, T02, T03, T04, T11, T12, G11, G12
3.2	3A2	t_station_id	<NOTICE>	T01, T02, T03, T04, T11, T12, G11, G12
4.2	4AA	t_site_name	<COAST_STATION>	T15
4.5	4CA	t_long; t_lat	<COAST_STATION>	T15
4.7.1	4CC	t_long; t_lat	<NOTICE>	T14, G14
			<TX_STATION>	T13, G13
5.4.1	5CA	t_long; t_lat	<RX_STATION>	T11, T12, G11, G12
7.1	7A	t_emi_cls	<NOTICE>	GB1, T11, T12, T13, T14, T15, T17, G11, G12, G13, G14
7.2	7AB	t_bdwidth	<NOTICE>	T01, GB1
		t_bdwidth_cde	<NOTICE>	T11, T12, T13, T14, T15, T17, G11, G12, G13, G14

Column No. (AP4)	Item Ref (AP4)	Item Key (for notification)	Section	Notice type
7.3.4	7B2	t_rj81_cls	<NOTICE>	T04
7.3.5	7G	t_system_type	<NOTICE>	G11, G12, G13, G14
7.3.6	7C1	t_tran_sys	<NOTICE>	T02
		t_sys_var	<NOTICE>	GT1
7.3.8	7D	t_tran_sys	<NOTICE>	T01
			<OPERATION>	T03, T04
7.3.9.1	7H	t_ref_plan_cfg	<NOTICE>	GS1
7.3.9.2	7J	t_spect_mask	<NOTICE>	GS1, GT1
7.3.9.3	7K	t_rx_mode	<NOTICE>	GT1
8.3	8AA	t_pwr_ant	<ANTENNA>	T11, T12, T13, T14, T15, T17, G11, G12, G13, G14
8.5	8AC	t_pwr_dens	<NOTICE>	G02, GB1
			<ANTENNA>	G11, G12, G13, G14
8.10	8BT	t_erp_beam_tilt_dbw	<NOTICE>	GT1
9.2.2	9GL	t_gain_max_horizon	<ANTENNA>	G11, G12, G13
9.3.6	9S	t_beam_tilt_angle	<NOTICE>	GT1
9.4.1	9AB1	t_azm_fr	<ROTATIONAL>	T11, T12, T15, G11, G12
9.4.2	9AB2	t_azm_to	<ROTATIONAL>	T11, T12, T15, G11, G12
9.5.6	9UH	t_attn@azmxxx	<ANT_DIAGR_H>	G02, GB1, GS1, GT1, G11, G12
9.5.7	9UV	t_attn@azmxxx	<ANT_DIAGR_V>	G02, GB1, GS1, GT1, G11, G12
9.7.1	9EP	t_ant_hgt_m	<OPERATION>	T03
9.9.2.1	9NA	t_aug_no	<AUGMENTATION>	T04
9.9.3.1	9T1	t_twr_no	<TOWER>	T04
10.2	10BA	t_op_prd_cde	<OPERATION>	T03, T04
11.2	11D	t_remark_conds_met	<NOTICE>	GS1, GT1, G02, GB1, G11, G12, G13
11.3	11C	t_signed_commitment	<NOTICE>	G02, GB1, GS1, GT1
11.4	11E	t_signed_commitment	<NOTICE>	G11, G12, G13, G14
13.1	13C	t_remarks	<NOTICE>	All notices (T01-T04, G02, GB1, GS1, GT1, T11-T17, G11-G14)
DEL	7B	t_op_cls	<NOTICE>	None (previously applicable to T11 and T17)