

Draft CEPT Brief on agenda item 2

2 *to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution 28 (Rev.WRC-03), and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex to Resolution 27 (Rev.WRC-03);*

Issue

Agenda Item 2 is a standing WRC agenda item which aims at examining the revised ITU-R Recommendations incorporated by reference in the Radio Regulations.

The question has been raised whether agenda item 2 should also cover situations where a text of a mandatory nature is embedded in another text incorporated by reference and any actions necessary to clarify the status of ambiguous references to ITU-R Recommendations generally.

Issue 1. Embedded use of Incorporation by Reference

WRC-07 should resolve uncertainty as to the status of ITU-R Recommendations that are cited in the *resolves* of a WRC Resolution using mandatory language such that the effects would be recognised as incorporation by reference if employed in the Articles or Appendices of the Radio Regulations.

At CPM07-2, a proposal was made under this agenda item to revise Annex 1 to Res. 27(Rev. WRC-03), focusing on such “embedded” situations where a Recommendation is referenced through a WRC Resolution in a way that is intended to create mandatory effects, in order to clarify that such Recommendations are also incorporated by reference.

Preliminary CEPT position

Noting the example of ITU-R M. 1652, whose Annex 1 appears to be given mandatory force through No. 5.446A and Resolution 229 (WRC-03), but is not included in Volume 4 of the Radio Regulations, CEPT considers that the status of references to ITU-R Recommendations embedded in a WRC-07 Resolution should be recognised as being subject to the criteria contained in Resolution 27 (Rev.WRC-03).

CEPT is of the view that revisions to Resolution 27 (Rev.WRC-03) that may be needed in order to clarify what prevails in such situation where a text of a mandatory nature is embedded in a text incorporated by reference.

It is proposed to modify the wording of the CPM07-02 proposal for the 2bis of Annex 1 to Res. 27 (Rev. WRC-07) as follows with a view to clarifying that the ITU-R Recommendation is incorporated by reference, hence has regulatory status, only if both references (the reference to the WRC Resolution in footnotes or provisions of the Radio regulations AND the reference to the ITU-R Recommendation in the *resolves* part of that Resolution) are of a mandatory nature, as per the criteria set out in Res.27 (Rev. WRC-03).

ADD

“2bis Where a reference to an ITU-R Recommendation, or parts thereof, is included using mandatory language (i.e. shall) in the resolves of a WRC Resolution, which is itself cited using mandatory language (i.e. shall) in a footnote or provision of the Radio Regulations, that ITU-R recommendation or parts thereof, shall also be considered for incorporation by reference.”

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Background

Agenda Item 2 is a standing WRC agenda item whose main purpose is to examine those ITU-R Recommendations incorporated by reference in the Radio Regulations, which have been revised, and then communicated by the RA in accordance with Res.28 (Rev. WRC-03) to the subsequent WRC, for a decision on whether or not to update the corresponding references in the Radio Regulations in accordance with principles contained in the Annex to Res.27 (Rev. WRC-03).

Res.27 (Rev.WRC-03) sets out the principles for use of incorporation by reference in the Radio Regulations.

Res.28 (Rev. WRC-07) sets out the process to revise the ITU-R Recommendations incorporated by reference.

A proposal was included in the provisional report of CPM07-02 to WRC-07 to clarify the scope of incorporation by reference and to confirm the treatment of those ITU-R Recommendations by adding a *2bis* in the Annex 1 of the Resolution. However that proposal did not establish a clear trail that mandatory effects are intended at all stages of establishing the reference, hence the proposed clarification proposed above.

The situation where an ITU-R Recommendation, or part thereof, is mentioned in a WRC Resolution is not explicitly covered by Resolution 27 or its Annexes. However, the *noting* would imply that such a complication was thought unnecessary since the regulatory/procedural directives contained in a WRC Resolution would appear to have similar status to other parts of the RRs:

noting

that references to Resolutions or Recommendations of a world radiocommunication conference (WRC) require no special procedures, and are acceptable for consideration, since such texts will have been agreed by a WRC,

Further, an anomaly in the AI 2 process has been noted. For instance, in respect of footnote **5.446A**, adopted by WRC-03, which reads: “The use of the bands 5 150-5 350 MHz and 5 470-5 725 MHz by the stations in the mobile service shall be in accordance with Resolution **229 (WRC-03)**”.

The reference to Resolution **229 (WRC-03)** in footnote **5.446A** fulfils the criteria of Annexes 1 and 2 of Resolution **27 (Rev.WRC-03)** (in particular, the word “shall” is used); therefore it has the same treaty status as the Radio Regulations themselves, in accordance with § 4.1 of Annex 1 to Resolution **27 (Rev.WRC-03)**.

The reference to Annex 1 to Recommendation ITU-R M.1652 in Resolution **229 (WRC-03)** fulfils the criteria of Annexes 1 and 2 of Resolution **27 (Rev.WRC-03)** (in particular, the word “shall” is used); it is of a mandatory nature and fulfils the criteria of incorporation by reference.

It is to be noted that Annex 3 of Resolution **27 (Rev.WRC-03)** contains the procedure to be followed by WRCs to incorporate by reference ITU-R Recommendations. “*The referenced texts shall be made available to delegations in sufficient time for all administrations to consult them in the ITU languages. A single copy of the texts shall be made available to each administration as a conference document. During the course of each WRC, a list of the texts incorporated by reference shall be developed and maintained by the committees. This list shall be published as a conference document in line with developments during the conference. Following the end of each WRC, the Bureau and General Secretariat will update the volume of the Radio Regulations which serves as the repository of texts incorporated by reference in line with developments at the conference as recorded in the above-mentioned document.*”

It is noted that the procedures in the Annex 3 of Resolution 27 (Rev.WRC-03) were not fully followed during WRC-03, in particular as the list of referenced texts was not published during WRC-03. Therefore, it is not clear on what basis the BR and the General Secretariat updated Volume 4 of the Radio Regulations.

In this context, the CPM provisional report to WRC-07 provides in Chapter 7 (p.8, Table 2-1) a non-exhaustive list of cases where a WRC Resolution having mandatory effects includes a *resolves* referring to an ITU-R Recommendation or parts thereof using mandatory language. These Recommendations are not included in the latest version of Volume 4 of the Radio Regulations. The BR indicated that this was also due to the absence of a specific WRC-03 decision to have this Annex included in Volume IV of the RR. This deficiency in the process may need to be addressed. The BR indicated that this was also due to the absence of a specific WRC-03 decision to have this Annex included in Volume IV of the RR. This deficiency in the process may need to be addressed.

List of relevant documents

Actions to be taken

Proposals from outside CEPT

Issue 2. General review of the status of ITU-R Recommendations

The practice of previous WRCs has not been to limit the scope of action under agenda item 2 to just those changes needed in respect of the list of revised ITU-R Recommendations incorporated by reference.

Although the wording of agenda item 2, which has not changed over several WRCs, could be read as imposing very narrow limits on the scope of the agenda item, previous practice has been to consider also whether ambiguous or non-mandatory references have been expressed correctly. This practice is in line with *resolves* 4 of Resolution 27.

Despite the previous precedents, there was extensive discussion at CPM07-2 on the legitimacy of a list provided by the BR of non mandatory references to Recommendations where the language was ambiguous.

Preliminary CEPT position

To maintain the practice of previous WRCs of trying to identify and remove anomalous or ambiguous references to ITU-R Recommendations generally. Clarification of the wording of the agenda item for future conferences may be helpful in this respect.

Background

Incorporation by reference was established in the present form by WRC-95 and WRC-97, following the recommendations of the VGE. At subsequent conferences, there has been a continuous process of review aimed at ensuring that all references to ITU-R Recommendations are given in an unambiguous manner, from which it will be obvious whether the Recommendation in question is incorporated by reference, and therefore has mandatory effects, or is for the purpose of guidance. Because of the number of references to ITU-R Recommendations spread throughout the Radio

regulations in a variety of styles and contexts, it was not possible to ensure that all references were cast in standard language at WRC-95 and WRC-97.

A small number of ambiguous references still remain, which need to be analysed and classified as for guidance (i.e., non-mandatory purposes) or for incorporation reference (i.e., with mandatory effects).

List of relevant documents

Actions to be taken

Proposals from outside CEPT

Activities within ITU-R

The Working Party of the Special Committee and the Special Committee developed guidance for the CPM on several issues connected with agenda item 2 on the basis of contributions from Australia, Canada and Japan.

Conference Preparatory Meeting (CPM)

The following text was agreed at the CPM on the basis of advice from the Special Committee and the BR:

Agenda item 2

“to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution 28 (Rev.WRC-03), and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex to Resolution 27 (Rev.WRC-03)”

Resolution 27 (Rev.WRC-03) - Use of incorporation by reference in the Radio Regulations

Resolution 28 (Rev.WRC-03) - Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations

7/2/1 Incorporation by reference of ITU-R Recommendations mentioned in Volumes 1 and 2 of the Radio Regulations – Changes to provisions of a non-mandatory nature

It was noted that references to ITU-R Recommendations of non-mandatory character do not need to be updated by a WRC.

It was noted that Resolutions **27 (Rev.WRC-03)** and **28 (Rev.WRC-03)** do not contain a procedure for updating the references to ITU-R Recommendations of non-mandatory character.

WRC-07 may wish to consider the need to establish such a procedure and to adopt the necessary texts as appropriate.

The various footnotes and provisions in the RR were examined by the Special Committee, from the point of view of incorporation by reference and were submitted to the CPM. The CPM preferred not to study them and are sent to WRC-07 for information.

MOD

5.208A In making assignments to space stations in the mobile-satellite service in the bands 137-138 MHz, 387-390 MHz and 400.15-401 MHz, administrations shall take all practicable steps to protect the radio astronomy service in the bands 150.05-153 MHz, 322-328.6 MHz, 406.1-410 MHz and 608-614 MHz from harmful interference from unwanted emissions. The threshold levels of interference detrimental to the radio astronomy service are shown in Table 1 of Recommendation ITU-R RA.769-1. (WRC-907)

Reasons: To conform to Resolution **27 (Rev.WRC-03)** (Annex 2, § 5), as the language indicates this Recommendation is not mandatory and it is not in RR Volume 4.

Regarding No. **5.536A**, two options were identified:

Option 1:

MOD

5.536A Administrations operating earth stations in the Earth exploration-satellite service or the space research service shall not claim protection from stations in the fixed and mobile services operated by other administrations. In addition, earth stations in the Earth exploration-satellite service or in the space research service should be operated taking into account the most recent versions of Recommendations ITU-R SA.1278 and ITU-R SA.1625, respectively. (WRC-037)

Reasons: To conform to Resolution **27 (Rev.WRC-03)** (Annex 2, § 5), as the “should” language indicates this Recommendation is not mandatory and is not in RR Volume 4.

Option 2:

NOC

5.536A

Reasons: The use of the terminology “the most recent version of” could be regarded as discretionary in accordance with Annex 2 to Resolution **27 (Rev.WRC-03)**.

NOTE – In the following situations, it is suggested to refer to “the most recent version of” an ITU-R Recommendation, recognizing that in these situations, this reference is of a non-mandatory nature.

MOD

47.26 § 8 1) The holder of a radiocommunication general operator’s certificate or a first- or second-class radiotelegraph operator’s certificate shall be authorized to embark as chief operator of a ship station of the fourth category (which is described in the most recent version of Recommendation ITU-R M.1169). (WRC-037)

Reasons: To conform to Resolution 27 (Rev.WRC-03) (Annex 2, § 5), as the Recommendation is for information only in this context.

MOD

47.27 2) However, before becoming chief or sole operator of a ship station of the fourth category (in accordance with the most recent version of Recommendation ITU-R M.1169) which is required by international agreements to carry a radiotelegraph operator, the holder of a radiocommunication general operator's certificate or a first- or second-class radiotelegraph operator's certificate shall have had adequate experience as operator on board ship at sea. (WRC-037)

Reasons: To conform to Resolution 27 (Rev.WRC-03) (Annex 2, § 5), as the Recommendation is for information only in this context.

MOD

47.28 3) Before becoming chief operator of a ship station of the second or third category (in accordance with the most recent version of Recommendation ITU-R M.1169), the holder of a radiocommunication general operator's certificate or a first- or second-class radiotelegraph operator's certificate shall have had, as operator on board ship or in a coast station, at least six months' experience of which at least three months shall have been on board ship. (WRC-037)

Reasons: To conform to Resolution 27 (Rev.WRC-03) (Annex 2, § 5), as the Recommendation is for information only in this context.

MOD

47.29 4) Before becoming chief operator of a ship station of the first category (in accordance with the most recent version of Recommendation ITU-R M.1169), the holder of a radiocommunication general operator's certificate or a first-class radiotelegraph operator's certificate shall have had, as operator on board ship or in a coast station, at least one year's experience of which at least six months shall have been on board ship. (WRC-037)

Reasons: To conform to Resolution 27 (Rev.WRC-03) (Annex 2, § 5), as the Recommendation is for information only in this context.

7/2/2 Incorporation by reference of ITU-R Recommendations mentioned in WRC Resolutions

If a WRC Resolution includes a *resolves* referring to an ITU-R Recommendation or portion thereof in a specific manner (by number and version) using mandatory language (i.e. shall), the ITU-R Recommendation or parts thereof are considered to be incorporated by reference.

There are cases where these ITU-R Recommendations are not contained in RR Volume 4. Table 2-1 is a non-exhaustive list of cases where an ITU-R Recommendation is referenced using mandatory language (i.e. shall) in a WRC Resolution, which have been analysed to determine whether the Recommendations are incorporated by reference.

In order to clarify the scope of incorporation by reference and confirm the treatment of those ITU-R Recommendations, Resolution 27 (Rev.WRC-03) should be modified in the following way.

EXAMPLE OF DRAFT MODIFICATIONS OF RESOLUTION 27 (REV.WRC-03)

MOD

ANNEX 1 TO RESOLUTION 27 (Rev.WRC-03)

Principles of incorporation by reference

1 For the purposes of the Radio Regulations, the term “incorporation by reference” shall apply only to those references intended to be mandatory.

2 Where the relevant texts are brief, the referenced material should be placed in the body of the Radio Regulations rather than using incorporation by reference.

2bis Where a reference to an ITU-R Recommendation, or parts thereof, is included in the resolves of a WRC Resolution, which is itself cited in a footnote or provision of the Radio Regulations using mandatory language (i.e. shall), that ITU-R Recommendation or parts thereof, shall also be considered for incorporation by reference. [*CPM07-2 suggestion*].

2bis Where a reference to an ITU-R Recommendation, or parts thereof, is included using mandatory language (i.e. shall) in the resolves of a WRC Resolution, which is itself cited using mandatory language (i.e. shall) in a footnote or provision of the Radio Regulations, that ITU-R recommendation or parts thereof, shall also be considered for incorporation by reference. [*CEPT proposal*].

3 Texts which are of a non-mandatory nature or which refer to other texts of a non-mandatory nature shall not be considered for incorporation by reference.

4 If, on a case-by-case basis, it is decided to incorporate material by reference on a mandatory basis, then the following provisions shall apply:

4.1 the text incorporated by reference shall have the same treaty status as the Radio Regulations themselves;

4.2 the reference must be explicit, specifying the specific part of the text (if appropriate) and the version or issue number;

4.3 the text incorporated by reference must be submitted for adoption by a competent WRC in accordance with resolves 3;

4.4 all texts incorporated by reference shall be published following a WRC, in accordance with resolves 4.

5 If, between WRCs, a text incorporated by reference (e.g. an ITU-R Recommendation) is updated, the reference in the Radio Regulations shall continue to apply to the earlier version incorporated by reference until such time as a competent WRC agrees to incorporate the new version. The mechanism for considering such a step is given in Resolution 28 (Rev.WRC-03).

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TABLE 2-1

A non-exhaustive list of cases where a WRC Resolution having mandatory effects includes a *resolves* referring to an ITU-R Recommendation or parts thereof using mandatory language

Radio Regulations	RESOLUTION			Interpretation
	No.	Title	<i>Resolves</i>	
No. 5.446A	229 (WRC-03)	Use of the bands 5 150-5 250 MHz, 5 250-5 350 MHz and 5 470-5 725 MHz by the mobile service for the implementation of wireless access systems including radio local area networks	8 that, in the bands 5 250-5 350 MHz and 5 470-5 725 MHz, the mitigation measures found in Annex 1 to Recommendation ITU-R M.1652 shall be implemented by systems in the mobile service to ensure compatible operation with radiodetermination systems	Mandatory <i>Reasons: The use of the term “shall” in the resolves of the Resolution</i>
No. 5.328A	609 (WRC-03)	Protection of aeronautical radionavigation service systems from the equivalent power flux-density produced by radionavigation-satellite service networks and systems in the 1 164-1 215 MHz frequency band	10 that the methodology and the reference worst-case ARNS system antenna contained in Recommendation ITU-R M.1642 shall be used by administrations for calculating the aggregate epfd produced by all the space stations within all RNSS systems in the band 1 164-1 215 MHz	
No. 5.443B*	741 (WRC-03)	Protection of the radio astronomy service in the band 4 990-5 000 MHz from unwanted emissions of the radionavigation-satellite service (space-to-Earth) operating in the frequency band 5 010-5 030 MHz	2 that in order not to cause harmful interference to the RAS in the band 4 990-5 000 MHz, over the whole sky, for elevations higher than the minimum operating elevation angle Θ_{\min} specified for the radio telescope, the epfd produced in this band by all space stations within any non-GSO RNSS system operating in the 5 010-5 030 MHz band shall not exceed – 245 dB(W/m ²) in a 10 MHz band at any radio astronomy station for more than 2% of the time, using the methodology in Recommendation ITU-R M.1583 and a reference antenna with a radiation pattern and maximum antenna gain given in Recommendation ITU-R RA.1631	

NOTE – Recommendations ITU-R M.1652, ITU-R M.1642 and ITU-R M.1583 are not included in the latest version of RR Volume 4. As some of these Recommendations have been updated since WRC-03, if WRC-07 agrees to incorporate them by reference, WRC-07 will need to consider whether or not to update the corresponding references in the RR.

* The Administrations of Algeria, Saudi Arabia, Bahrain, Djibouti, Egypt, United Arab Emirates, Jordan, Kuwait, Lebanon, Morocco, Mauritania, Oman, Qatar, Syrian Arab Republic and Tunisia object to the consideration of Recommendations ITU-R M.1583 and ITU-R RA.1631 as mandatory.

7/2/3 ITU-R Recommendations incorporated by reference in the RR which have been revised and approved since WRC-03

The list of those ITU-R Recommendations incorporated by reference in the RR (Resolution **27 (Rev.WRC-03)**) which have been revised and approved during the elapsed study period since WRC-03 is shown below.

- Recommendation **ITU-R M.541-8** - Operational procedures for the use of digital selective-calling equipment in the maritime mobile service;
- Recommendation **ITU-R P.838-2** - Specific attenuation model for rain for use in prediction methods;
- Recommendation **ITU-R M.1174-1** - Technical characteristics of equipment used for on-board vessel communications in the bands between 450 and 470 MHz;
- Recommendation **ITU-R M.1187** - A method for the calculation of the potentially affected region for a mobile-satellite service network in the 1-3 GHz range using circular orbits;
- Recommendation **ITU-R BO.1443-1** - Reference BSS earth station antenna patterns for use in interference assessment involving non-GSO satellites in frequency bands covered by RR Appendix 30;
- Recommendation **ITU-R S.1586** - Calculation of unwanted emission levels produced by a non-geostationary fixed-satellite service system at radio astronomy sites.

The CPM also noted that, in some cases, different texts of the RR make reference to different versions of ITU-R Recommendations (see, for instance, No. **22.5C.6** which makes reference to Recommendation ITU-R S.1428-1, which is included in Volume 4 of the RR, and Annex 1 to Resolution **76 (WRC-2000)** which makes reference to Recommendation ITU-R S.1428). The CPM considers that WRC-07, under Agenda item 2, should also review the references to the ITU-R Recommendations incorporated by reference which are referred in other texts (such as Annex 1 to Resolution **76 (WRC-2000)**) and amend them accordingly, as part of the consequential changes envisaged by Agenda item 3 of the Conference.

7/2/4 List of RR provisions and footnotes containing references to ITU R Recommendations

According to Resolution **27 (Rev.WRC-03)**, the CPM took note of a list of the RR provisions and footnotes containing references to ITU-R Recommendations. This list is provided in Table 2-2.

TABLE 2-2

**List of RR provisions and footnotes
containing references to ITU-R Recommendations**

RR provisions or footnotes	Recommendation ITU-R	
	Number*	Included in RR Volume 4
1.14	TF.460-6	YES
5.208A	RA.769-1	NO
5.279^a	SA.1260-1	YES
5.287	M.1174	NO
5.288	M.1174-1	YES
5.328A (via Res. 609 (WRC-03))	M.1642**	NO
5.391	SA.1154	YES
5.443B (via Res. 741 (WRC-03))	M.1583** RA.1631	NO YES
5.446A (via Res. 229 (WRC-03))	M.1652**	NO
5.447E	F.1613	YES
5.447F	M.1638, SA.1632	YES YES
5.450A	M.1638	YES
5.504B	M.1643	YES
5.504C	M.1643	YES
5.508A	M.1643	YES
5.509A	M.1643	YES
5.511A	S.1341	YES
5.511C	S.1340	YES
5.536A	SA.1278, SA.1625	NO NO
5.543A	RA.769	NO
5.551H	S.1586, RA.1631	YES YES
16.2	SM.1139	NO
16.6	SM.1139	NO
19.38	M.257-3	YES
19.48	M.1172	YES
19.83	M.257-3, M.476-5, M.625-3, M.627-1	YES YES YES YES
19.92	M.257-3	YES
19.96A	M.257-3, M.476-5	YES YES
19.112	M.585	NO
21.2.2	SF.765	NO
21.4.1	SF.765	NO
22.5A	S.1256	YES

RR provisions or footnotes	Recommendation ITU-R	
	Number*	Included in RR Volume 4
TABLE 22-1A (and 22.5C.6)	S.1428-1	YES
TABLE 22-1B (and 22.5C.6)	S.1428-1	YES
TABLE 22-1C (and 22.5C.6)	S.1428-1	YES
TABLE 22-1D (and 22.5C.11)	BO.1443-1	YES
TABLE 22-2 (and 22.5D.3)	S.672-4	YES
TABLE 22-3 (and 22.5F.3)	S.672-4	YES
22.36	S.732	NO
25.6	M.1544	NO
29.12	RA.769	NO
32.7	M.1172	YES
47.26	M.1169	YES
47.27	M.1169	YES
47.28	M.1169	YES
47.29	M.1169	YES
50.9	M.1169	YES
51.35	M.541-8	YES
51.41	M.476-5, M.625-3, M.627-1	YES YES YES
51.71	M.1171, M.1170	YES NO
51.77	M.489-2	YES
52.23	M.1170	NO
52.25	M.1170	NO
52.27	M.492-6	YES
52.31	M.1170	NO
52.32	M.1170	NO
52.63	M.1170	NO
52.69	M.1170	NO
52.148	M.541-8	YES
52.149	M.541-8	YES
52.152	M.541-8	YES
52.153	M.541-8	YES
52.159	M.541-8	YES
52.181	M.1173	YES
52.188	M.257-3	YES
52.192	M.1171	YES
52.195	M.1171	YES
52.213	M.1171	YES
52.222.1	M.257-3	YES
52.224	M.1171	YES
52.229	M.1173	YES

RR provisions or footnotes	Recommendation ITU-R	
	Number*	Included in RR Volume 4
52.231	M.489-2	YES
52.234	M.1171	YES
52.235	M.257-3	YES
52.240	M.1171	YES
54.2	M.257-3, M.493-9, M.541-8, M.821-1, M.825-2	YES NO YES NO NO
55.1	M.1170	NO
56.2	M.492-6	YES
57.1	M.1171	YES
Appendix 1 (§ 1 and § 2)	SM.1138	YES
Appendix 3		
§ 4	SM.329	NO
§ 10	M.1177	NO
§ 10bis	SM.329, M.1177	NO NO
Annex 1 (§ 1 and § 3)	SM.1541	NO
Appendix 4		
Annex 2	S.1503, SM.1413	NO NO
Annex 2, Footnotes to Tables A, B, C, D	SF.675	NO
Annex 2, item B.4.b.1.a	SM.1413	NO
Annex 2, item B.4.b.1.b	SM.1413	NO
Annex 2, item C.11.b	M.1187	YES
Appendix 5, Annex 1	IS.1143 (now M.1143), SF.357	NO NO
Appendix 7, Annexes 4, 5, 6	SM.1448	NO
Appendix 13		
Part A1, § 5	M.1172	YES
Part A2, § 10	M.489-2	YES
Part A2, § 14A	M.1171	YES
Part A5, § 1	M.690-1	YES
Part A5, § 4	M.690-1	YES
Part A5, § 9	M.1175	YES
Part A5, § 11	M.257-3	YES
Appendix 15, Table 15-2	M.690-1	YES
Appendix 17, Part B	M.1173	YES
Appendix 18, Notes referring to the Table	M.1084-2 M.489-2	NO YES
Appendix 30		
Article 11, Col. 6	BO.1445	NO

RR provisions or footnotes	Recommendation ITU-R	
	Number*	Included in RR Volume 4
Article 11, Col. 9	BO.1213	NO
Annex 3, § 2.4.1	BO.1213	NO
Annex 5, § 2.1	P.837-1, P.618-5	NO NO
Annex 5, § 3.1.1	F.405-1	NO
Annex 5, § 3.2.4	BO.1212	NO
Annex 5, § 3.4	BO.1293-2, BO.1297	YES NO
Annex 5, § 3.7.2	BO.1213	NO
Annex 5, § 3.13.3	BO.1445	NO
Annex 6, Part A, § 1.1	BO.1213, S.580-5	NO NO
Annex 6, Part B, § 1.5	S.483-3	NO
Annex 6, Part B, § 2.1	S.465-5	NO
Appendix 30A		
Article 9A, Col. 6	BO.1296	NO
Article 9A, Col. 9	BO.1295	NO
Annex 3, § 2.1	P.837-1	NO
Annex 3, § 2.2	P.618-5, P.838-2, P.841	NO YES NO
Annex 3, § 2.4	P.618-5	NO
Annex 3, § 3.3	BO.1297, BO.1293-2	NO YES
Annex 3, § 3.5.3	BO.1295	NO
Annex 3, § 3.7.3	BO.1296	NO
Annex 3, § 3.9	BO.1212	NO

* Numbers in bold indicate that these Recommendations are incorporated by reference.

** This Recommendation is not included in RR Volume 4 (see § 7/2/2)