



Radiocommunication Bureau
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Circular Letter
CR/336

17 July 2012

To Administrations of Member States of ITU

Subject: Implementation of decisions of the World Radiocommunication Conference, Geneva, 2012 (WRC-12) and associated transitional arrangements that entered into force on 18 February 2012

To the Director-General

Dear Sir/Madam

1 The World Radiocommunication Conference, Geneva, 2012 (WRC-12), adopted a partial revision of the Radio Regulations and decided that the revised provisions shall enter into force on 1 January 2013, with the exception of those provisions for which another date was specifically indicated. The purpose of this Circular Letter is to highlight the most relevant decisions of the Conference with a view to facilitating their implementation, having in mind primarily the transitional arrangements and other decisions that entered into force on 18 February 2012. For the complete list of decisions, please refer to the Final Acts of the Conference. This Circular Letter should be read in conjunction with Circular Letters CR/331 of 16 March 2012, CR/333 of 2 May 2012 and CR/334 of 18 May 2012.

2 The Conference decided that, as of 18 February 2012, the following modified allocations shall enter into force, together with the associated conditions for operation of the concerned services in the respective frequency bands:

- modified allocation in the band 2 483.5-2 500 MHz, which consists of the introduction of primary allocation to the radiodetermination-satellite service under the conditions specified in Nos. **5.401**, **5.371**, **5.399** and **5.446** and in Annex 1 of Appendix 5 as well as the upgrade of the radiolocation service in the countries listed in No. **5.398A** subject to some limitations specified in this provision;

- new sharing criteria for the use of the band 21.4-22 GHz by the broadcasting-satellite service to which this band is allocated on the one hand, and the fixed and mobile services on the other hand, as stipulated in Nos. **5.530B**, **5.530C**, **5.530A**, **5.530D**, **A.9.8**, **A.11.7**, **11.37**, **11.37.2**, **21.2**, **21.2.1**, **Table 21-4 (Rev.WRC-12)**, paragraphs 6bis, 8 and 9 of Table 5-1 of Appendix 5, and in Resolution **755**, Resolution **553**, Resolution **554** and Resolution **555**. It should be noted that pursuant to the abrogation of Resolution **525 (Rev.WRC-07)** and suppression of No. **5.530**, the non-interference non-protection status of the fixed and mobile services in Regions 1 and 3 with respect to the broadcasting-satellite service was replaced by the compliance with a power flux-density limit specified in No. **5.530A**;
- new due diligence information to be submitted for all geostationary-satellite networks in the BSS in the band 21.4-22 GHz as stipulated in Nos. **A.9.4**, **A.11.2**, **11.44.1** and **11.48** and in Resolution **552**;
- modified allocation in the band 24.65-24.75 MHz, which consists of the introduction of primary allocation for FSS (Earth-to-space) (allocation in this band to Regions 1 and 3 only) and modified allocation in the band and 24.75-25.25 MHz, which consists of introduction of primary allocation for FSS (Earth-to-space) (allocation in this band to Region 1 only) and in clarifying the conditions for use of these bands by the FSS in Regions 1 and 3 as set forth in Nos. **5.532B** and Table 7c of Annex 7 of Appendix **7 (Rev.WRC-12)** (i.e. clarifying the minimum antenna size to ensure sharing with the fixed and mobile services);
- modified allocation in the band 22.55- 23.15 GHz, which consists of the introduction of primary allocation to the space research service in this band, under the conditions set forth in No. **5.532A** and **Table 21-3** (i.e. clarifying the conditions of sharing with the fixed and mobile services).

3 The Conference decided that, as of 18 February 2012, the following provisions of RR shall be abrogated: Nos. **5.397**, **5.400** and **5.530**.

4 The Conference also decided to allocate the frequency band 694-790 MHz in Region 1 to the mobile, except aeronautical mobile, service on a co-primary basis with the other services to which this band is allocated on a primary basis and to identify it for IMT. This decision is effective immediately after WRC-15 and is subject to the provisions of Resolution 232 (WRC-12) (see also Resolution 224 (WRC-12)).

5 The Conference introduced few changes to the regulatory provision Nos. **11.44.1** and **11.48** that entered into force on 18 February 2012 related to suppression of special sections for which notification or due diligence information is not submitted within the regulatory time limit specified in the Radio Regulations.

6 WRC-12 revised several Resolutions and Recommendations from previous conferences and adopted several new Resolutions and Recommendations. As a general rule, new and revised Resolutions and Recommendations enter into force at the time of signing the Final Acts of a conference. With respect to the Resolutions and Recommendations, which became effective on 18 February 2012, the following needs special mention:

6.1 *Resolution 55 (Rev.WRC-12) dealing with electronic submission of notice forms for satellite networks, earth stations and radio astronomy stations:* in addition to all notices for satellite networks and comments/objections submitted to the Bureau in accordance with Nos. **9.3** and **9.52** with respect to Nos. **9.11** to **9.14** and **9.21** of Article 9, or in accordance with §§ 4.1.7, 4.1.9, 4.1.10, 4.2.10, 4.2.13 or 4.2.14 of Appendices **30** and **30A** with respect to modification to the Region 2

Plan or to additional uses in Regions 1 and 3 under Article 4 and use of the guardbands under Article 2A of those Appendices, as from 18 February 2012, all requests for inclusion or exclusion submitted to the Bureau under No. **9.41** of Article **9** shall also be submitted in electronic format compatible with the BR electronic notice form capture software;

6.2 *Resolution 150 (WRC-12) dealing with the use of the bands 6 440-6 520 MHz and 6 560-6 640 MHz by gateways links for HAPS:* WRC-12 imposed a number of limitations on these systems, it made their notification and recording in the MIFR mandatory and invited administrations and the BR to identify the data items required for notification and examinations of frequency assignments to HAPS. The Bureau wishes to inform the membership that the list of the relevant data items needed for notification is currently under review in the BR. Once this activity is completed, the results will be coordinated with the administrations concerned, as required by this Resolution;

6.3 *Resolution 417 (Rev.WRC-12) dealing with the use of the band 960-1 164 MHz by aeronautical mobile (R) service:* WRC-12 introduced several new conditions for the use of the aeronautical mobile (R) service. These conditions include the requirement of coordination with ARNS systems of the countries listed in *resolves 2* and new power limits contained in *resolves 6* in order to protect RNSS systems operating in the adjacent upper band. These new requirements will apply from 1 January 2013 since No. **5.327A**, that makes this Resolution mandatory for application, enters into force on that date. The attention of administrations is drawn to the fact that the coordination pursuant to *resolves 2* should be effected by administrations on a bilateral basis without involvement of the Bureau. With respect to the power limits contained in *resolves 6* of this Resolution, the Bureau will check the limits only for the band 960-1 164 MHz and not for the band 1164-1215 MHz since the out-of-band emissions into the frequency band 1 164-1 215 MHz are not notified to the BR due to the absence of corresponding data items in Appendix 4;

6.4 *Resolution 755 (WRC-12), dealing with power flux-density limits for the transmitting stations in the band 21.4-22 GHz:* the attention of administrations has been drawn to the decisions of the Conference in Resolution **755 (WRC-12)** with Circular Letter CR/334 of 18 May 2012, in particular the pfd limits specified in Table 21-4 of Article **21** to be applied to frequency assignments in the BSS in Regions 1 and 3. In addition, the pfd limit given in No. **5.530A** is to be applied to all new fixed and mobile service stations notified as of 18 February 2012. The assignments to stations in the fixed and mobile services, which are already recorded in the Master Register, shall comply with this limit by 31 December 2015 or the first day of the next WRC, whichever is earlier. The Bureau has individually drawn the attention of the administrations having their frequency assignments recorded in the MIFR to this requirement of compliance;

6.5 *Resolution 552 (WRC-12), dealing with long-term access to and development in the band 21.4-22 GHz in Regions 1 and 3:* pursuant to its *resolves 1,2* and *3*, as from 18 February 2012, this Resolution shall apply to all geostationary-satellite networks in the BSS in the 21.4-22 GHz band; in particular,

- for relevant frequency assignments to satellite networks for which confirmation of the date of bringing into use under the provisions of Article **11** was not received by the Bureau before 18 February 2012 or which were suspended under No. **11.49** at that date, the procedure contained in Annex 1 to this Resolution shall be applied at the time of first bringing into use or when resuming use after a suspension, as appropriate;

- for relevant frequency assignments to satellite networks for which the confirmation of the date of bringing into use under the provisions of Article **11** was received by the Bureau before 18 February 2012, the provisions of §§ 5 to 8 of Annex 1 to this Resolution and the procedure

contained in Annex 3 to this Resolution shall be applied, as appropriate. Annex 3 contains transitional measures to be applied if the notifying administration shall not submit to the Bureau, on or before 17 August 2012, the complete information relevant to the operational situation as of 18 February 2012, in accordance with Annex 2 to this Resolution. The Bureau has individually drawn the attention of the concerned administrations to the required information to be submitted to the Bureau by 17 August 2012.

6.6 *Resolution 553 (WRC-12), additional regulatory measures for broadcasting-satellite networks in the band 21.4-22GHz in Regions 1 and 3 for the enhancement of equitable access to this band:* pursuant to *resolves* of the Resolution as of 18 February 2012, the Special Procedure outlined in the Attachment to this Resolution for processing of coordination requests for BSS frequency assignments in Regions 1 and 3 in the 21.4-22 GHz band shall be applied in respect of submissions of administrations meeting the specified requirements in the Attachment to the Resolution.

Accordingly the Special Procedure can only be applied once (except as described in §3 of this Resolution) by an administration or an administration acting on behalf of a group of administrations when none of those administrations have a network in the MIFR, notified under Article 11 or successfully examined under No.9.34 and published under No.9.38 for the band 21.4-22 GHz. The Attachment to the Resolution further describes how to seek the assistance of the Bureau and submit the special request, the characteristics to be used by the networks, criteria to be used in identifying the affected networks/administration, and how the Special Procedure case will be treated by the Bureau ahead of submissions not yet processed under No.9.34.

As a result, the Bureau shall apply the procedures of this Resolution, in conjunction with that of Resolution 554, to all coordination cases in the band 21.4-22 GHz pending with any date of receipt that has not been yet examined under No.9.34 on the date of receipt of complete coordination request for a Special Procedure case, under Resolution 553, as confirmed by the Conference at its 13th Plenary Meeting. Once a Special Procedure case is received by the Bureau, in order to treat it with priority access, all those coordination requests not yet examined that include BSS frequency assignments in the band 21.4-22 GHz would be split into two satellite network filings and a separate notice series will be maintained for such coordination requests of BSS in the band 21.4-22 GHz that will incur a separate cost recovery charge. As a consequence, administrations would be required to submit separate satellite network filings for BSS in the band 21.4-22 GHz and corresponding feeder links; otherwise the Bureau will split the filing appropriately.

6.7 *Resolution 554 (WRC-12), dealing with application of pfd masks for broadcasting-satellite networks in the band 21.4-22 GHz in Regions 1 and 3:* pursuant to *resolves 1* of this Resolution, as from 18 February 2012, WRC-12 has introduced new threshold pfd value in addition to the new coordination arc of +/-12 degrees to identify the administrations and satellite networks with which coordination is required under provision No.9.7, for the BSS networks in Region 1 and Region 3, in the band 21.4-22 GHz. Further, *resolves 2* of the Resolution requires “when the Bureau, under No.11.32, conducts its examination of notifications of satellite networks in respect of compliance with the coordination procedures, it shall base its findings on the coordination requirements set by No.9.7 in Table 5-1 of Appendix 5 as revised by WRC-12 for those networks received under No.9.30 before 18 February 2012”.

6.8 *Resolution 555 (WRC-12), dealing with due diligence in applying the principles embodied in the Constitution:* the notice of administrations has been brought to the decisions of the Conference in Resolution 555 (WRC-12) with Circular Letter CR/331 of 16 March 2012, in particular the possible review of their submissions in the band 21.4-22 GHz submitted before 18 February 2012 which may be modified or withdrawn if no longer required.

6.9 *Resolution 222 (Rev. WRC-12), dealing with the “Use of the frequency bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz by the mobile-satellite service, and procedures to ensure long-term spectrum access for the aeronautical mobile-satellite (R) service”.*

The attention of administrations is drawn to the Annex to the Resolution containing a description of the procedure to implement No. **5.537A** and to facilitate frequency coordination of MSS, including AMS(R)S satellite networks in the frequency bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz. This includes certain obligations for administrations participating in the process to communicate to the Bureau for publication the results of frequency coordination and Reassessment Meetings.

The coordination process remains bilateral/multilateral between administrations. Nevertheless, as stipulated in the Resolution, in case of continuing disagreement, administrations may request assistance from the Bureau as well as invite the Bureau to participate during Reassessment Meetings.

6.10 *Resolution 807 (WRC-12), dealing with the agenda for the 2015 World Radiocommunication Conference and Resolution 808 (WRC-12), dealing with the preliminary agenda for the 2018 World Radiocommunication Conference:* in accordance with standard practices, the necessary preparatory actions have been initiated and the results of the first session of the 2015 Conference Preparatory Meeting (CPM15-1) have been dispatched to the membership (see Administrative Circular **CA/201** of 19 March 2012 as well as the regularly updated web page on the ITU-R Preparatory Studies for WRC-15 at: <http://www.itu.int/ITU-R/go/rcpm-wrc-15-studies>).

7 Finally, I wish to draw your attention to the provisions of Article **54** of the Constitution, which invites the Member States to notify the Secretary-General of their consent to be bound by the revisions of the Radio Regulations.

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,

F. Rancy
Director, Radiocommunication Bureau

Annexes: 2

Distribution:

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

ANNEX 1

Table of correspondence between provisional and final numbers for new WRC-12 Resolutions and Recommendations

Resolutions	
Final No.	Provisional No.
11	COM5/11
12	PLEN/2
67	COM6/2
98	COM6/1
150	COM5/3
151	COM6/4
152	COM6/5
153	COM6/13
154	COM6/24
232	COM5/10
233	COM6/8
234	COM6/16
358	COM6/3
359	COM6/9
360	COM6/21
422	COM4/1
423	COM6/22
552	COM5/6
553	COM5/7
554	COM5/8
555	COM5/9
648	COM6/11
649	COM6/12
650	COM6/17
651	COM6/18
652	COM6/19
653	COM6/20
654	COM6/23
755	COM5/4
756	COM5/5
757	COM6/10
758	COM6/15
807	COM6/6
808	COM6/7
907	COM5/1
908	COM5/2
909	COM6/14
957	PLEN/1

Recommendations	
Final No.	Provisional No.
16	COM6/2
76	COM6/1

ANNEX 2

**Table of correspondence between provisional and final numbers for
new Article 5 footnotes approved by WRC-12**

Final No.	Provisional No.
5.54A	5.A116
5.54B	5.B116
5.54C	5.C116
5.80A	5.A123
5.80B	5.B123
5.132A	5.A115
5.132B	5.B115
5.133A	5.C115
5.145B	5.D115
5.145A	5.F115
5.149A	5.E115
5.158	5.G115
5.159	5.H115
5.161A	5.I115
5.161B	5.J115
5.225A	5.A114
5.228	5.G110
5.228A	5.A110
5.228B	5.B110
5.228C	5.C110
5.228D	5.D110
5.228E	5.E110
5.228F	5.F110
5.312A	5.3XX
5.398A	5.A118
5.401	5.B118
5.443AA	5.B103
5.443C	5.C103
5.443D	5.D103
5.457	5.A120
5.511E	5.A121
5.511F	5.B121
5.530A	5.D113
5.530B	5.B113
5.530C	5.C113
5.530D	5.F113
5.532A	5.A111
5.532B	5.A113