
PLENARY MEETING

**Addendum 22 to
Document 6552-E
18 September 2019
Original: English**

Member States of the Inter-American Telecommunication Commission (CITEL)

PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda item 9.2

9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

9.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations*; and

INTRODUCTION

CITEL has reviewed the Report of the Director and provides herein specific proposals and comments/views related to Part 2 as contained in Addendum 2 to Document 4. These proposals and comments/views either support the BR's proposed corrective action, where possible, or provide other measures with which to resolve a given error or inconsistency.

The proposals identify the corresponding Section to the Report of the Director for reference purposes.

* This agenda item is strictly limited to the Report of the Director on any difficulties or inconsistencies encountered in the application of the Radio Regulations and the comments from administrations.

Proposals related to section 2.2.1, Table 1, of Addendum 2 to Document 4

CITEL has reviewed Table 1 to Section 2.2.1 contained in Addendum 2 to Document 4 and supports the corrective action as presented by the Bureau for the cases listed below:

IAP/6552A22/1

TABLE 1

List of typographical and other apparent errors discovered in the 2016 edition of the RR

Language	Page	Incorrect or missing text		Proposed Correct text	
	Vol. 1	Articles			
All	141	5.480 <i>Additional allocation:</i> in Argentina, Brazil, Chile, Cuba, El Salvador, Ecuador, Guatemala, Honduras, Paraguay, the Netherlands Antilles, Peru and Uruguay, the frequency band 10-10.45 GHz is also allocated to the fixed and mobile services on a primary basis. In Colombia, Costa Rica, Mexico and Venezuela, the frequency band 10-10.45 GHz is also allocated to the fixed service on a primary basis. (WRC-15)		5.480 <i>Additional allocation:</i> in Argentina, Brazil, Chile, Cuba, El Salvador, Ecuador, Guatemala, Honduras, Paraguay, the Netherlands <u>Antilles(Bonaire, Curaçao, Saint Maarten (Dutch part), Saint Eustatius and Saba)</u> , Peru and Uruguay, the frequency band 10-10.45 GHz is also allocated to the fixed and mobile services on a primary basis. In Colombia, Costa Rica, Mexico and Venezuela, the frequency band 10-10.45 GHz is also allocated to the fixed service on a primary basis. (WRC-15)	
	Vol. 2	Appendices			
All	APP 42, p.795	PJA-PJZ	Netherlands (Kingdom of the) - Netherlands Antilles	PJA-PJZ	Netherlands (Kingdom of the) – Netherlands <u>Antilles-(Bonaire, Curaçao, Saint Maarten (Dutch part), Saint Eustatius and Saba)</u>

Reasons: To correct typographical errors in the current version of the Radio Regulations

Proposals related to section 2.2.2, Table 2, of Addendum 2 to Document 4

CITEL has reviewed Table 2 to Section 2.2.2 contained in Addendum 2 to Document 4 and supports the corrective action as presented by the Bureau for the cases listed below:

IAP/6552A22/2

TABLE 2

Inconsistencies in the RR, provisions that are lacking clarity

#	Language	Page – provision	Nature of inconsistency	Proposed corrective action
		Volume, page	ARTICLES/APPENDIX	ARTICLES/APPENDIX
		Volume 1	Article 5	Article 5
1	All	137 (R5-101)	Footnote No. 5.475 , which refers only to the aeronautical radionavigation service but is included in the last row of the Table for the band 9 300-9 500 MHz in all Regions, meaning that it applies to more than one service in that part of the table	To move the reference to No. 5.475 in the table for the band 9 300-9 500 MHz to the row containing the primary allocation to the RADIONAVIGATION service

#	Language	Page – provision	Nature of inconsistency	Proposed corrective action
2	All	145 (R5-109)	Footnote No. 5.499 , which refers to an additional allocation in some countries of Region 3, is listed in the Table for the band 13.4-13.65 GHz in Region 1	To remove No. 5.499 from the band 13.4-13.65 GHz in Region 1 of the Table of Frequency Allocations
3	All	159 (RR5-123)	Footnote No. 5.533 , which refers to the radionavigation service, is listed in the Table for the band 24.65-24.75 GHz in Region 3, despite the fact that the band is not allocated to the radionavigation service	To remove No. 5.533 from the band 24.65-24.75 GHz in Region 3 of the Table of Frequency Allocations
			Article 11	Article 11
4	All	218	Inconsistency between No. 11.48 and § 8 of Annex 1 to Resolution 552 : 30 days after 7 years should be added to No. 11.48	<p>MOD</p> <p>11.48 If, after the expiry of the period of seven years from the date of receipt of the relevant complete information referred to in No. 9.1 or 9.2 in the case of satellite networks or systems not subject to Section II of Article 9 or in No. 9.1A in the case of satellite networks or systems subject to Section II of Article 9, the administration responsible for the satellite network has not brought the frequency assignments to stations of the network into use, or has not submitted the first notice for recording of the frequency assignments under No. 11.15, or, where required, has not provided the due diligence information pursuant to Resolution 49 (Rev.WRC-15) or Resolution 552 (WRC-15)^{27bis}, as appropriate, the corresponding information published under Nos. 9.1A, 9.2B and 9.38, as appropriate, shall be cancelled, but only after the administration concerned has been informed at least six months before the expiry date referred to in Nos. 11.44 and 11.44.1 and, where required, § 10 of Annex 1 of Resolution 49 (Rev.WRC-15)^{27bis}. (WRC-15)</p> <p>ADD</p> <p>27bis11.48.1 If the information pursuant to Resolution 552 (Rev.WRC-15) has not been provided, the corresponding information published under No. 9.38 shall be cancelled 30 days after the end of the seven-year period following the date of receipt by the Bureau of the relevant complete information under No. 9.1A.</p>
		Volume 3	Resolutions	Resolutions
	Spanish	141 (RES157-1)	The title of Res. 157 (WRC-15) in Spanish refers to “nuevos sistemas en las órbitas de los satélites geoestacionarios”, while in English it refers to “new non-geostationary-satellite orbit systems”	Align the title of Res. 157 (WRC-15) in Spanish with the correct title in English.

#	Language	Page – provision	Nature of inconsistency	Proposed corrective action
	All	364 (RES647-2)	Footnote 2 in Res. 647 (WRC-15) stipulates that “Resolution 646 (Rev.WRC-15) includes considering paragraphs to the effect that the term “public protection radiocommunication” refers to radiocommunications used by responsible agencies and organizations dealing with maintenance of law and order, protection of life and property and emergency situations”, However, this definition of the term “public protection radiocommunication” in not consistent with the definition in <i>considering a)</i> of Res. 646 (WRC-15), which stipulates that “the term “public protection radiocommunication” refers to radiocommunications used by agencies and organizations responsible for the maintenance of law and order, protection of life and property and emergency situations”.	Align the definition of the term “public protection radiocommunication” in footnote 2 of Res. 647 (Rev.WRC-15) with the definition of that term in <i>considering a)</i> of Res. 646 (WRC-15)

Reasons: To resolve inconsistencies and improve clarity in the current version of the Radio Regulations

Proposals related to Section 2.2.3 of Addendum 2 to Document 4

CITEL has reviewed Table 3 to Section 2.2.3 contained in Addendum 2 to Document 4 and supports the corrective action as presented by the Bureau for the cases listed below:

IAP/6552A22/3

TABLE 3

Texts in the RR that may require updates

#	Page	Current RR text that may require update	Proposed course of action
Volume 1, ARTICLE 5			
1	94	5.295 ... In Mexico, the use of IMT in this frequency band will not start before 31 December 2018 and may be extended if agreed by the neighbouring countries. (WRC-15)	Modify the footnote, since the reference to 2018 is outdated
2	95	5.308A... In Belize and Mexico, the use of IMT in this frequency band will not start before 31 December 2018 and may be extended if agreed by the neighbouring countries. (WRC-15)	Modify the footnote, since the reference to 2018 is outdated
3	96	5.312 Additional allocation: in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the frequency band 645-862 MHz, in Bulgaria the bands 646-686 MHz, 726-758 MHz, 766-814 MHz and 822-862 MHz, and in Poland the frequency band 860-862 MHz until 31 December 2017, are also allocated to the aeronautical radionavigation service on a primary basis. (WRC-15)	Modify the footnote, since the allocation of the band 860-862 MHz to the aeronautical radionavigation service in Poland refers to a past date
4	96	5.313A In China, the use of IMT in this band will not start until 2015.	Modify the footnote, since reference to 2015 is outdated

#	Page	Current RR text that may require update	Proposed course of action
5	97	5.323 <i>Additional allocation:</i> in Armenia, Azerbaijan, Belarus, the Russian Federation, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 862-960 MHz, in Bulgaria the bands 862-890.2 MHz and 900-935.2 MHz, in Poland the band 862-876 MHz until 31 December 2017, and in Romania the bands 862-880 MHz and 915-925 MHz, are also allocated to the aeronautical radionavigation service on a primary basis... (WRC-12)	Modify the footnote, since the allocation of the band 862-876 MHz to the aeronautical radionavigation service in Poland refers to a past date
6	179	5.562B In the bands 105-109.5 GHz, 111.8-114.25 GHz, 155.5-158.5 GHz and 217-226 GHz, the use of this allocation is limited to space-based radio astronomy only. (WRC-2000)	Remove the band 155.5- 158.5 GHz because the allocation to the Earth exploration-satellite (passive) and space research (passive) services terminated on 1 January 2018, according to No. 5.562F
7	182	5.562F In the band 155.5-158.5 GHz, the allocation to the Earth exploration-satellite (passive) and space research (passive) services shall terminate on 1 January 2018. (WRC-2000)	Suppress the footnote, since the allocation to the Earth exploration-satellite (passive) and space research (passive) services terminated on 1 January 2018
8	182	Band 155.5-158.5 GHz EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive) 5.562B 5.149 5.562F 5.562G	Band 155.5-158.5 GHz EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive) 5.562B 5.149, 5.562F, 5.562G
9	182	5.562G The date of entry into force of the allocation to the fixed and mobile services in the band 155.5-158.5 GHz shall be 1 January 2018. (WRC-2000)	To suppress the footnote, since the allocation shall enter in force on 1 January 2018
Volume 1, ARTICLE 22			
10	293	22.5H.6 These limits apply into geostationary-satellite system earth stations located in Region 2 west of 140° W, north of 60° N, pointing toward geostationary satellites in the broadcasting-satellite service at 91° W, 101° W, 110° W, 119° W and 148° W with elevation angles greater than 5°. This limit is implemented during a transition period of 15 years.	To suppress Table 22-4C , No. 22.5H.6 and to remove references to Table 22-4C in No. 22.5I since the transition period of 15 years started on 1 January 2002 (date of entry into force of the Final Acts of WRC-2000) and therefore ended on 1 January 2017
Volume 2, APPENDICES			
11	265	AP17-1 This Appendix is separated into two annexes: Annex 1 contains the existing frequency and channelling arrangements in the high-frequency bands for the maritime mobile service, in force until 31 December 2016. Annex 2 contains the future frequency and channelling arrangements in the high-frequency bands for the maritime mobile service, as revised by WRC-12, which enter into force on 1 January 2017. (WRC-12)	This Appendix is separated into two annexes: Annex 1 contains the existing frequency and channelling arrangements in the high-frequency bands for the maritime mobile service, in force until 31 December 2016. Annex 2 contains the future frequency and channelling arrangements in the high-frequency bands for the maritime mobile service, as revised by WRC-12, which enter into force on 1 January 2017. (WRC-12) Reason: Suppress the text because after 1 January 2017 Annex 1 is abolished and Annex 2 entered into force.

#	Page	Current RR text that may require update	Proposed course of action
12	266 - 294	AP17-2 – AP17-30 ANNEX 1* (WRC-15) Frequencies and channelling arrangements in the high-frequency bands for the maritime mobile service, in force until 31 December 2016 (WRC-12)	Suppress completely Annex 1 because it was valid until 31 December 2016
13	295	AP17-31 ANNEX 2 (WRC-15) Frequency and channelling arrangements in the high-frequency bands for the maritime mobile service, which enter into force on 1 January 2017 (WRC-12)	ANNEX 2 (WRC-15) Frequency and channelling arrangements in the high-frequency bands for the maritime mobile service, which enter into force on 1 January 2017 (WRC-12), (WRC-19) Reason: Modify because Annex 2 entered into force on 1 January 2017.
14	302	AP17-38 w) Administrations that intend to use Annex 2 to introduce data transmissions before 1 January 2017 for stations operating in the maritime mobile service shall not cause harmful interference to nor claim protection from stations in the maritime mobile service operating in accordance with Annex 1 of this Appendix and are encouraged to coordinate bilaterally with affected administrations.	Suppress or modify note w) because the date in force of this note is until 1 January 2017
15	327	* From 1 January 2019, channel 2027 will be designated ASM 1 and channel 2028 will be designated ASM 2.	Modify this note because of reference to 1 January 2019
16	328	AP18-4 m) ... * From 1 January 2019, channel 2027 will be designated ASM 1 and channel 2028 will be designated ASM 2. mm) ... * From 1 January 2019, channel 2027 will be designated ASM 1 and channel 2028 will be designated ASM 2.	Modify notes m) and mm) because of reference to 1 January 2019
17	329	AP18-5 w) In Regions 1 and 3: Until 1 January 2017, ... From 1 January 2017, wa) In Regions 1 and 3: Until 1 January 2017, From 1 January 2017, x) From 1 January 2017,	Modify notes w), wa), x) because of reference to 1 January 2017

Reasons: To address cases in the current version of the Radio Regulations that require updating.

Proposal related to section 3.1.3.1 of Addendum 2 to Document 4

Under RR No. 9.1A, the Bureau shall publish a general description of the satellite network or system for advance publication in a Special Section of the BR IFIC based on information sent under RR No. 9.30. CITEL notes that Bureau currently publishes this information in an API/C special section. Considering that the Bureau already publishes the complete information received under RR No. 9.30 in its website “as-received”, and also makes available a list of unique frequency bands for the notice, it is not necessary to have this extra publication of API/C.

ARTICLE 9

Procedure for effecting coordination with or obtaining agreement of other administrations^{1, 2, 3, 4, 5, 6, 7, 8, 9} (WRC-15)

Section I – Advance publication of information on satellite networks or satellite systems

General

MOD IAP/6552A22/4

9.1A Upon receipt of the complete information sent under No. **9.30**, the Bureau shall ~~publish~~, using the basic characteristics of the coordination request, make available on its website a general description of the network or system for advance publication ~~in a Special Section of the BRIFIC~~. The characteristics ~~to be published~~ for this general description purpose are listed in Appendix 4. (WRC-15)

Reasons: To eliminate an unnecessary publication, recognizing that the previously published Information is available on the Bureau's website.

Proposal related to section 3.1.3.3 of Addendum 2 to Document 4

RR No. **9.4** states that reports on the progress made in resolving any difficulties “shall” be submitted to the Bureau. However, since the Bureau does not require this information in the examination of the notification for recording, it is not necessary to provide this information.

ARTICLE 9

Procedure for effecting coordination with or obtaining agreement of other administrations^{1, 2, 3, 4, 5, 6, 7, 8, 9} (WRC-15)

Section I – Advance publication of information on satellite networks or satellite systems

Sub-Section IA – Advance publication of information on satellite networks or satellite systems that are not subject to coordination procedure under Section II

MOD IAP/6552A22/5

9.4 In the case of difficulties, the administration responsible for the planned satellite network or system shall explore all possible means to resolve the difficulties without considering the possibility of adjustment to networks or systems of other administrations. If no such means can be found, it may request the other administrations to explore all possible means to meet its requirements. The administrations concerned shall make every possible effort to resolve the difficulties by means of mutually acceptable adjustments to their networks or systems. ~~An administration on behalf of which details of planned satellite networks have been published in accordance with the provisions of No. **9.2B** shall, after the period of four months, inform the Bureau of the progress made in resolving any difficulties. If necessary, a further report shall be provided prior to the submission of notices to the Bureau under Article **11**.~~

Reasons: Remove the mandatory requirement to report the progress made in difficulties involving coordination.

Comment related to section 3.1.3.4 of Addendum 2 to Document 4

CITEL notes the discussion in Section 3.1.3.4 of Addendum 2 to Document 4 regarding the Bureau's creation of a draft CR/D containing a listing of the administrations which have submitted a disagreement under RR No. 9.52 within the regulatory four-month period, and the Bureau's current practice of providing an opportunity after the regulatory four-month period for the notifying administration to check comments from other administrations and add those not identified by the Bureau before an official CR/D is published. It has also been noted that during the period 2017-2018, out of 361 satellite networks for which a special section CR/C was published and a draft CR/D information telefax and database were sent, only 15 satellite networks (pertaining to 4 notifying administrations) provided draft CR/D information to the Bureau by validating the Bureau's findings through SpaceCom software and no modification/addition request through the draft CR/D procedure has been filed.

IAP/6552A22/6

CITEL proposes that WRC-19 instruct the Bureau to cease their current practice of creating a draft CR/D.

Comment related to section 3.1.3.6 of Addendum 2 to Document 4

This section of the Report notes that the Radio Regulations contain 42 footnotes referring to RR No. 9.21 that are applicable to terrestrial services and draws attention to two aspects of the application of these footnotes by administrations. Firstly, it highlights that during the reporting period of 2015-2019, the requests for the application of the procedure under RR No. 9.21 were related only to RR Nos. 5.177, 5.316B and 5.430A (from amongst the 42 footnotes that are applicable to terrestrial services). Secondly, it notes that the criteria for identification of affected administrations required for the application of the RR No. 9.21 procedure are fully or partially available in the footnotes, e.g. RR No. 5.225A, in the WRC Resolutions, e.g. Resolution 749 (Rev.WRC-15), or in the relevant Rules of Procedures, except for eight footnotes: RR Nos. 5.181, 5.190, 5.197, 5.251, 5.259, 5.279, 5.441B and 5.482, where no methodology and criteria for identification of affected administrations is available yet.

The report then invites WRC-19 to give instructions to the relevant Study Groups to develop criteria for identification of affected administrations required for the application of the RR No. 9.21 in order to enable the Bureau to properly apply the RR No. 9.21 procedure, if WRC-19 approves new footnotes referencing RR No. 9.21.

CITEL is of the view that Resolution 749 (Rev. WRC-15) called out specific procedures for the use of the frequency band 790-862 MHz in certain countries of Region 1 only by mobile applications and by other services in order to protect the aeronautical radionavigation service. This is one means to facilitate coordination, but is by no means something that WRC-19 should prescribe as a basis for the application of No. 9.21; especially since that Resolution is quite specific to some countries and may not be suitably applied everywhere. In addition, the issue of coordination of the fixed and mobile services is inherently performed between affected neighbouring administrations. The application of No. 9.21 would not necessarily be needed if those countries are able to find agreement on the use of these services.

IAP/6552A22/7

CITEL believes that there is no need for WRC-19 to give specific instructions to the relevant Study Groups to develop procedures to enable the application of No. **9.21** unless the Bureau identifies a specific instance where such methodology and criteria are required.

Proposal related to section 3.1.4.1 of Addendum 2 to Document 4

Section 3.1.4.1 of the Director's Report states that, "According to RR No. 11.47, there is a clear requirement for an administration to confirm the bringing into use within thirty days following the period provided under RR No. 11.44. However, under RR No. 11.49, the requirement for informing the Bureau concerning the bringing back into use is to inform the Bureau "as soon as possible"." The Section then goes on to suggest that, in order for the Bureau to be informed about the start of the 90-day period required under RR No. 11.49.1, the Conference may consider adding a similar deadline for bringing back into use.

CITEL recognizes the difference in timing requirements for administrations to notify the BR as to the confirmation of bringing into use, and in fact the confirmation of initiation of the 90-day bringing into use period, between RR No. 11.47 and No. 11.49. Given these recognized differences, it is expected that the BR will not adopt any general practices that de-facto attempt to align these processes. While it is believed that there may be potential merit in aligning the timing requirements for notifying the BR as to the confirmation of bringing into use or resumption of use for these two provisions at some point in time, given the past sensitivities associated with No. 11.49, CITEL is concerned with pursuing such alignment without conducting thorough study as to the broader implications of such alignment. CITEL notes that while RR No. 11.49 calls for administrations to inform the Bureau "as soon as possible" about the resumption of use of suspended frequency assignments, this provision also calls to RR No. 11.49.1. This subordinate provision clearly states that "A frequency assignment to a space station in the geostationary-satellite orbit shall be considered as having been brought back into use when a space station in the geostationary-satellite orbit with the capability of transmitting or receiving that frequency assignment has been deployed and maintained at the notified orbital position for a continuous period of 90 days. The notifying administration shall so inform the Bureau within 30 days from the end of the 90-day period." (emphasis added). As such, notwithstanding the potentially ambiguous term "as soon as possible" in RR No. 11.49, the required deadline for informing the Bureau of the bringing back into use of suspended frequency assignments is clearly defined in RR No. 11.49.1, and no change is needed to RR No. 11.49 at this time.

ARTICLE 11

Notification and recording of frequency assignments

Section II – Examination of notices and recording of frequency assignments in the Master Register

NOC **IAP/6552A22/8**

11.49

Reasons: No change is needed to RR No. **11.49** to clarify the required timing for informing the Bureau of the resumption of use of frequency assignments to a satellite network at this time. CITEL would support a proper study within ITU-R of the implications of aligning the requirements

to notify the BR as to the bringing into use under No. **11.47** and the bringing back into use under No. **11.49**.

IAP/6552A22/9

CITEL proposes that WRC-19 instruct the Bureau to wait for administrations to submit confirmation of the completion of the bringing back into use and not request confirmation of the commencement of the bringing back into use period.

Comments related to section 3.1.4.2.1 of Addendum 2 to Document 4

This section of the Director's report addresses examination under RR Nos. **11.32** and **11.32A** based on coordination agreement status at group levels of RR Appendix 4 notice forms, as opposed to the current practice of examination at the administration level. The section notes that, in addition to what is communicated to the Bureau in the AP4 notice forms, the Bureau has experienced situations when the notifying administration provides additional information through cover letters, sometimes mentioning or listing the affected satellite networks for which coordination has or has not been completed or for which coordination is no longer required due to suppression or removal of the affected satellite networks.

The section goes on to describe the Bureau's development of a software tool that would allow the notifying administration to convert information described above to a coordination status with respect to an affected administration at group levels of the notice form to either being complete, not completed or no longer required. In this tool the list of satellite networks published in the CR/C special section under RR No. **9.36.2** will be retrieved and the notifying administration will be able to indicate the satellite networks for which they have completed or not completed coordination. The tool will also indicate to the user those satellite networks that were previously identified and are no longer in the SRS_ALL for reasons such as suppressions, removal because obsolete, etc. For these cases, the notifying administration can indicate that coordination is no longer required or that there has been an agreement already before the affected satellite network was removed.

IAP/6552A22/10

CITEL fully supports the Bureau's development of the software tool described in this section of the Director's Report and confirms that the tool described will meet the needs of this administration in communicating our coordination status in relation to an affected administration.

Comments related to section 3.1.4.2.2 of Addendum 2 to Document 4

This section of the Director's Report notes that the Bureau has been experiencing situations where notifying administrations have informed the Bureau, during the submission of the notification notice, that coordination under RR No. 9.7 has been completed with respect to specific satellite networks of certain administrations identified in the coordination requirements published in the CR/C Special Section under RR No. 9.36.2.

Currently, this type of information is received electronically or by fax and is not reflected in PART-IS, PART-IIS or PART-IIIS publications.

The examination under RR No. 11.32A with respect to another administration may arrive to different C/I results, and respective findings, depending on whether the list of satellite networks in the C/I analysis includes all the networks listed under RR No. 9.36.2, or only those networks for

which coordination under RR No. 9.7 has not been successfully completed, as informed by the notifying administration. This section of the report concludes with a description of a software module that could be developed by the Bureau to support examination at the network level.

IAP/6552A22/11

CITEL proposes that WRC-19 instruct the Bureau to conduct examination under RR No. **11.32A** at the satellite network level, as opposed to being conducted at the administration level, in order that the notifying administration may benefit from the coordination agreements already obtained, and supports the Bureau developing a software module for this purpose.

Proposals related to section 3.1.7.1 of Addendum 2 to Document 4

This section of the Director’s Report notes that there are no pfd limits for the allocation to the mobile-satellite service (MSS) in the frequency band 40-40.5 GHz in Table 21-4 of RR Article 21 of the Radio Regulations since WRC-2000. The section further notes that the origin of this discrepancy is that the mobile-satellite service was inadvertently removed at WRC-2000 from RR Table 21-4 following modifications to this Table under WRC-2000 agenda item 1.4.

CITEL supports correcting this inadvertent removal by re-inserting the mobile-satellite service into Table 21-4 as shown in the proposal below. CITEL cannot support a Bureau review of the MSS frequency assignments already published for the 40-40.5 GHz band to ensure consistency with this change, as this is considered a retroactive application a change to Table 21-4.

ARTICLE 21

Terrestrial and space services sharing frequency bands above 1 GHz

Section V – Limits of power flux-density from space stations

MOD IAP/6552A22/12

TABLE 21-4 (continued) (Rev.WRC-159)

Frequency band	Service*	Limit in dB(W/m ²) for angles of arrival (δ) above the horizontal plane			Reference bandwidth
		0°-5°	5°-25°	25°-90°	
.....					
40-40.5 GHz	Fixed-satellite Mobile-satellite	-115	-115 + 0.5(δ - 5)	-105	1 MHz
.....					

Reasons: To correct the inadvertent deletion of the mobile-satellite service from Table 21-4 by WRC-2000.

IAP/6552A22/13

CITEL proposes that WRC-19 instruct the Bureau not to review the MSS frequency assignments already published for the 40-40.5 GHz band to ensure consistency with this change.

Reasons: This would be considered a retroactive application of a change to Table 21-4.

Proposals related to sections 3.3.1.1 through 3.3.1.5 of Addendum 2 to Document 4

The first three of these sections of the Director's Report address possible changes associated with various aspects of Resolution 49 (Rev. WRC-15). The fourth section addresses updates of due diligence information, and the fifth section addresses streamlining the submission of due diligence information. Considering these sections together, CITELE supports those changes suggested by the Director in Sections 3.3.2.1 through 3.3.2.3 included in the following proposal.

CITELE also notes the idea in Section 3.3.2.5 for streamlining the submission of Resolution 49 data by merging it with the submission of notification data in Appendix 4 of the Radio Regulations. CITELE is not prepared to support this change at this time, given the large number of Appendix 4 changes that are part of multiple other WRC-19 agenda items, however CITELE would support having the ITU-R Study Groups examine this idea in the next ITU-R study cycle.

MOD IAP/6552A22/14

RESOLUTION 49¹ (REV.WRC-15~~9~~)

Administrative due diligence applicable to some satellite radiocommunication services

The World Radiocommunication Conference ([Geneva Sharm el-Sheikh, 2015~~9~~](#)),

considering

- a)* that Resolution 18 of the Plenipotentiary Conference (Kyoto, 1994) instructed the Director of the Radiocommunication Bureau to initiate a review of some important issues concerning international satellite network coordination and to make a preliminary report to WRC-95 and a final report to WRC-97;
- b)* that the Director of the Bureau provided a comprehensive report to WRC-97, including a number of recommendations for action as soon as possible and for identifying areas requiring further study;
- c)* that one of the recommendations in the Director's report to WRC-97 was that administrative due diligence should be adopted as a means of addressing the problem of reservation of orbit and spectrum capacity without actual use;
- d)* that experience may need to be gained in the application of the administrative due diligence procedures adopted by WRC-97, and that several years may be needed to see whether administrative due diligence measures produce satisfactory results;
- e)* that new regulatory approaches may need to be carefully considered in order to avoid adverse effects on networks already going through the different phases of the procedures;
- f)* that Article 44 of the Constitution sets out the basic principles for the use of the radio-frequency spectrum and the geostationary-satellite and other satellite orbits, taking into account the needs of developing countries,

¹ This Resolution does not apply to satellite networks or satellite systems of the broadcasting-satellite service in the 21.4-22 GHz band in Regions 1 and 3.

considering further

- a) that WRC-97 decided to reduce the regulatory time-frame for bringing a satellite network into use;
- b) that WRC-2000 has considered the results of the implementation of the administrative due diligence procedures and prepared a report to the 2002 Plenipotentiary Conference in response to Resolution 85 (Minneapolis, 1998),

resolves

~~1~~ that the administrative due diligence procedure contained in Annex 1 to this Resolution shall be applied as from 22 November 1997 for a satellite network or satellite system of the fixed-satellite service, mobile-satellite service or broadcasting-satellite service for which the advance publication information under Nos. **9.1A** or **9.2B**, or for which the request for modifications of the Region 2 Plan under Article 4, § 4.2.1 *b*) of Appendices **30** and **30A** that involve the addition of new frequencies or orbit positions, or for which the request for modifications of the Region 2 Plan under Article 4, § 4.2.1 *a*) of Appendices **30** and **30A** that extend the service area to another country or countries in addition to the existing service area, or for which the request for additional uses in Regions 1 and 3 under § 4.1 of Article 4 of Appendices **30** and **30A**, or for which the submission of information under supplementary provisions applicable to additional uses in the planned bands as defined in Article 2 of Appendix **30B** (Section III of Article 6) has been received by the Bureau from 22 November 1997, or for which submission under Article 6 of Appendix **30B (Rev.WRC-07)** is received on or after 17 November 2007, with the exception of submissions of new Member States seeking the acquisition of their respective national allotments² for inclusion in the Appendix **30B** Plan;

~~2~~ that for a satellite network or satellite system within the scope of § 1 or 3 of Annex 1 to this Resolution not yet recorded in the Master International Frequency Register (MIFR) by 22 November 1997, for which the advance publication information under No. **1042** of the Radio Regulations (Edition of 1990, revised in 1994) or for the application of Section III of Article 6 of Appendix **30B** has been received by the Bureau before 22 November 1997, the responsible administration shall submit to the Bureau the complete due diligence information in accordance with Annex 2 to this Resolution not later than 21 November 2004, or before the expiry of the notified period for bringing the satellite network into use, plus any extension period which shall not exceed three years pursuant to the application of No. **1550** of the Radio Regulations (Edition of 1990, revised in 1994) or the dates specified in the relevant provisions Article 6 of Appendix **30B**, whichever date comes earlier. If the date of bringing into use, including extension specified above, is before 1 July 1998, the responsible administration shall submit to the Bureau the complete due diligence information in accordance with Annex 2 to this Resolution not later than 1 July 1998;

~~2bis~~ that for a satellite network or satellite system within the scope of § 2 of Annex 1 to this Resolution not recorded in the MIFR by 22 November 1997, for which the request for a modification to the Plans of Appendices **30** and **30A** has been received by the Bureau before 22 November 1997, the responsible administration shall submit to the Bureau the complete due diligence information in accordance with Annex 2 to this Resolution as early as possible before the end of the period established as a limit to bringing into use in accordance with the relevant provisions of Article 4 of Appendix **30** and the relevant provisions of Article 4 of Appendix **30A**;

~~3~~ that for a satellite network or satellite system within the scope of § 1, 2 or 3 of Annex 1 to this Resolution recorded in the MIFR by 22 November 1997, the responsible administration shall

² See § 2.3 of Appendix **30B (Rev.WRC-07)**.

~~submit to the Bureau the complete due diligence information in accordance with Annex 2 to this Resolution not later than 21 November 2000, or before the notified date of bringing the satellite network into use (including any extension period), whichever date comes later;~~

~~4 — that six months before the expiry date specified in *resolves 2* or *2bis* above, if the responsible administration has not submitted the due diligence information, the Bureau shall send a reminder to that administration;~~

~~5 — that if the due diligence information is found to be incomplete, the Bureau shall immediately request the administration to submit the missing information. In any case, the complete due diligence information shall be received by the Bureau before the expiry date specified in *resolves 2* or *2bis* above, as appropriate, and shall be published by the Bureau in the International Frequency Information Circular (BR-IFIC);~~

~~6 — that if the complete due diligence information is not received by the Bureau before the expiry date specified in *resolves 2*, *2bis* or *3* above, the request for coordination or request for a modification to the Plans of Appendices **30** and **30A** or for application of Section III of Article 6 of Appendix **30B** as covered by *resolves 1* above submitted to the Bureau shall be cancelled. Any modifications of the Plans (Appendices **30** and **30A**) shall lapse and any recording in the MIFR as well as recordings in the Appendix **30B** List shall be deleted by the Bureau after it has informed the concerned administration. The Bureau shall publish this information in the BR-IFIC;~~

~~**Reasons:**— Suppression of outdated *resolves* that have already been implemented.~~

further resolves

that the procedures in this Resolution are in addition to the provisions under Article 9 or 11 of the Radio Regulations or Appendices **30**, **30A** or **30B**, as applicable, and, in particular, do not affect the requirement to coordinate under those provisions (Appendices **30**, **30A**) in respect of extending the service area to another country or countries in addition to the existing service area,

instructs the Director of the Radiocommunication Bureau

to report to future competent world radiocommunication conferences on the results of the implementation of the administrative due diligence procedure.

ANNEX 1 TO RESOLUTION 49 (REV.WRC-159)

1 Any satellite network or satellite system of the fixed-satellite service, mobile-satellite service or broadcasting-satellite service with frequency assignments that are subject to coordination under Nos. **9.7**, **9.11**, **9.12**, **9.12A** and **9.13** and Resolution **33 (Rev.WRC-03)*** shall be subject to these procedures.

2 Any request for modifications of the Region 2 Plan under the relevant provisions of Article 4 of Appendices **30** and **30A** that involve the addition of new frequencies or orbit positions or for modifications of the Region 2 Plan under the relevant provisions of Article 4 of Appendices **30** and **30A** that extend the service area to another country or countries in addition to the existing service area or request for additional uses in Regions 1 and 3 under the relevant provisions of Article 4 of Appendices **30** and **30A** shall be subject to these procedures.

* *Note by the Secretariat:* This Resolution was revised by WRC-15.

3 Any submission of information under Article 6 of Appendix **30B (Rev.WRC-07)**, with the exception of submissions of new Member States seeking the acquisition of their respective national allotments³ for inclusion in the Appendix **30B** Plan, shall be subject to these procedures.

4 ~~An administration requesting coordination for a~~ For any satellite network ~~under subject to § 1 above,~~ ~~administrations~~ shall send to the Bureau ~~no later than [30] days following as early as possible before~~ the end of the period established as a limit to bringing into use in No. **11.44**, the due diligence information relating to the identity of the satellite network ~~and,~~ the spacecraft manufacturer ~~and the launch services provider~~ specified in Annex 2 to this Resolution.

5 An administration requesting a modification of the Region 2 Plan or additional uses in Regions 1 and 3 under Appendices **30** and **30A** under § 2 above shall send to the Bureau ~~no later than [30] days following as early as possible before~~ the end of the period established as a limit to bringing into use in accordance with the relevant provisions of Article 4 of Appendix **30** and the relevant provisions of Article 4 of Appendix **30A**, the due diligence information relating to the identity of the satellite network ~~and,~~ the spacecraft manufacturer ~~and the launch services provider~~ specified in Annex 2 to this Resolution.

6 An administration applying Article 6 of Appendix **30B (Rev.WRC-07)** under § 3 above shall send to the Bureau ~~no later than [30] days following as early as possible before~~ the end of the period established as a limit to bringing into use in § 6.1 of that Article, the due diligence information relating to the identity of the satellite network ~~and,~~ the spacecraft manufacturer ~~and the launch services provider~~ specified in Annex 2 to this Resolution.

7 The information to be submitted in accordance with § 4, 5 or 6 above shall be signed by an authorized official of the notifying administration or of an administration that is acting on behalf of a group of named administrations.

8 On receipt of the due diligence information under § 4, 5 or 6 above, the Bureau shall promptly examine that information for completeness. If the information is found to be complete, the Bureau shall publish the complete information in a special section of the BR IFIC within 30 days.

9 If the information is found to be incomplete, the Bureau shall immediately request the administration to submit the missing information. In all cases, the complete due diligence information shall be received by the Bureau within the appropriate time period specified in § 4, 5 or 6 above, as the case may be, relating to the date of bringing the satellite network into use.

10 Six months before expiry of the period specified in § 4, 5 or 6 above ~~and if the administration responsible for the satellite network has not submitted the due diligence information under § 4, 5 or 6 above,~~ the Bureau shall send a reminder to the responsible administration.

11 If the complete due diligence information is not received by the Bureau within the time limits specified in this Resolution, the networks covered by § 1, 2 or 3 above shall be cancelled by the Bureau. The provisional recording in the MIFR shall be deleted by the Bureau after it has informed the concerned administration. The Bureau shall publish this information in the BR IFIC.

With respect to the request for modification of the Region 2 Plan or for additional uses in Regions 1 and 3 under Appendices **30** and **30A** under § 2 above, the modification shall lapse if the due diligence information is not submitted in accordance with this Resolution.

With respect to the request for application of Article 6 of Appendix **30B (Rev.WRC-07)** under § 3 above, the network shall also be deleted from the Appendix **30B** List. When an allotment under

³ See § 2.3 of Appendix **30B (Rev.WRC-07)**.

Appendix **30B** is converted into an assignment, the assignment shall be reinstated in the Plan in accordance with § 6.33 *c*) of Article 6 of Appendix **30B (Rev.WRC-07)**.

12 An administration notifying a satellite network under § 1, 2 or 3 above for recording in the MIFR shall send to the Bureau, as early as possible before ~~the information about the date of~~ bringing into use has been communicated to the Bureau under No. 11.44B, the due diligence information relating to the identity of the satellite network and the launch services provider specified in Annex 2 to this Resolution.

13 When an administration has completely fulfilled the due diligence procedure but has not completed coordination, this does not preclude the application of No. **11.41** by that administration.

ANNEX 2 TO RESOLUTION 49 (REV.WRC-159)

A Identity of the satellite network

- a)* Identity of the satellite network
- b)* Name of the administration
- c)* Country symbol
- d)* Reference to the advance publication information or to the request for modification of the Region 2 Plan or for additional uses in Regions 1 and 3 under Appendices **30** and **30A**; or reference to the information processed under Article 6 of Appendix **30B (Rev.WRC-07)**
- e)* Reference to the request for coordination (not applicable for Appendices **30**, **30A** and **30B**)
- f)* Frequency band(s)
- g)* Name of the operator
- h)* Name of the satellite
- i)* Orbital characteristics.

B Spacecraft manufacturer*

- a)* Name of the spacecraft manufacturer
- b)* Date of execution of the contract
- c)* Contractual “delivery window”
- d)* Number of satellites procured.

C Launch services provider

- a)* Name of the launch vehicle provider
- b)* Date of execution of the contract
- c)* Launch or in-orbit delivery window
- d)* Name of the launch vehicle

* NOTE – In cases where a contract for satellite procurement covers more than one satellite, the relevant information shall be submitted for each satellite.