

PLENARY MEETING ← *Style = Committee*

Document XX-E
[Day Month Year]
Original: English

(Source, always in full and in French alphabetical order)

Source Administration(s)

Title 1

INTER-AMERICAN PROPOSALS FOR THE WORK OF THE CONFERENCE

Title 2

TITLE 2

Agenda_item

Agenda item 2

Normal

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 the principles contained in Annex 1 to Resolution **27 (Rev.WRC-12)**;

heading_b

Introduction

Normal (No bold in general text)

In this document the Respective Member State or Regional Group makes proposals under a number of WRC-12 agenda topics. It is anticipated that the Respective Member State or Regional Group will submit at a later date some additional proposals including proposals for future conferences.

Furthermore, since the introduction of digital modulation for operational use is two years or so from 2005, the proposed modifications to existing articles, resolutions and recommendations treat all HF broadcasting bands on an equal footing.

GUIDELINES ON WRC-15 PROPOSALS

1) PLEASE NOTE THIS GUIDE INDICATES HOW TO PREPARE PROPOSALS WITH FEW ILLUSTRATIVE EXAMPLES

2) PLEASE NOTE ALSO THAT TEXTS IN PURPLE SUCH AS “*heading_b*” GIVE INDICATION ON THE APPLICABLE MS-WORD-STYPE AND SHOULD NOT BE KEPT IN THE FINAL DOCUMENT

Art_No
ARTICLE 1

Art_title
Terms and definitions

Section_1
Section III – Radio services

Proposal
NOC IAP/XX/1

Art_def Normal + 2 tabs (as per RR)
1.56 *amateur service: A radiocommunication service for the purpose of self-training, intercommunication and technical investigations carried out by amateurs, that is, by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest.*

Reasons (No bold in text of reasons)

Reasons: We are not proposing any changes that would require consequential changes in the terms and definitions in Article 1.

Proposal
NOC IAP/XX/2

Art_def Normal
1.57 *amateur-satellite service: A radiocommunication service using space stations on earth satellites for the same purposes as those of the amateur service.*

Proposal
SUP IAP/XX/3

Art_def
1.58

Proposal
SUP IAP/XX/4

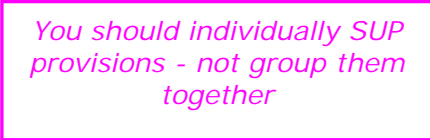
Art_def
1.59

Proposal
SUP IAP/XX/5

1.60

Reasons

Reasons: We are proposing suppression of



You should individually SUP provisions - not group them together

Art_No
ARTICLE 5

Art_title
Frequency allocations

Section_1
Section I – Regions and areas

Proposal
MOD IAP/XX/6

Art_def *Normal*
5.16 1) The “Tropical ~~Zone~~Area” (see map in No. **5.2**) is defined as:

Reasons
Reasons: No bold in text of Reasons.

Proposal
NOC



*No Proposal number with a NOC,
contrary to a NOC*

Art_def
5.17

Proposal
NOC IAP/XX/7

Art_def *Normal*
5.18 b) the whole of that area in Regions 1 and 3 contained between the parallels 30° North and 35° South with the addition of:

Reasons
Reasons: No bold in text of Reasons.

Section_1

Section IV – Table of Frequency Allocations
(See No. 2.1)

Proposal
MOD IAP/XX/8

Table_title
200-495 kHz

<i>Table_head</i> Allocation to services		
Region 1	Region 2	Region 3
	<i>Table_freq</i> 200-275	<i>Table_freq</i> 200-285
<i>Table_freq</i> 255-283.5 <i>Table_TextS5</i> BROADCASTING AERONAUTICAL RADIONAVIGATION	<i>Table_TextS5</i> AERONAUTICAL RADIONAVIGATION Aeronautical mobile	<i>Table_TextS5</i> AERONAUTICAL RADIONAVIGATION Aeronautical mobile
<i>Art_def</i> 5.70 5.71	<i>Table_freq</i> 275-285 <i>Table_TextS5</i> AERONAUTICAL RADIONAVIGATION Aeronautical mobile	<u>Aeronautical radionavigation</u>
<i>Table_freq</i> 283.5-315 <i>Table_TextS5</i> AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) <i>Art_def</i> 5.73	Maritime radionavigation (radiobeacons)	
5.72 5.74	<i>Table_freq</i> 285-315 <i>Table_TextS5</i> AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73	
<i>Table_freq</i> 315-325 <i>Table_TextS5</i> AERONAUTICAL RADIONAVIGATION Maritime radionavigation (radiobeacons) <i>Art_def</i> 5.73	<i>Table_freq</i> 315-325 <i>Table_TextS5</i> MARITIME RADIONAVIGATION (radiobeacons) <i>Art_def</i> 5.73 Aeronautical radionavigation	<i>Table_freq</i> 315-325 <i>Table_TextS5</i> AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73
5.72 5.75		

Reasons

Reasons: No bold in text of Reasons.

Proposal
MOD IAP/XX/9

Table_title
4 800-5 570 MHz

<i>Table_head</i> Allocation to services		
Region 1	Region 2	Region 3
<i>Table_freq</i> 4 800-4 990	<i>Table_TextS5</i> FIXED MOBILE <i>Art_def</i> 5.440A 5.442 Radio astronomy RADIO ASTRONOMY <i>Art_def</i> 5.149 5.339 5.443	
<i>Table_freq</i> 4 990-5 000	<i>Table_TextS5</i> FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive) <i>Art_def</i> 5.149	

Reasons
Reasons: No bold in text of Reasons.

Proposal
MOD IAP/XX/10

Table_title
4 800-5 570 MHz

<i>Table_head</i> Allocation to services		
Region 1	Region 2	Region 3
<i>Table_freq</i> 5 150-5 250 5 200	<i>Table_TextS5</i> FIXED-SATELLITE (Earth-to-space) 5.447A ADD 5.A2 MOBILE except aeronautical mobile MOD 5.446A 5.446B AERONAUTICAL RADIONAVIGATION 5.446 5.446C 5.447 5.447B 5.447C	
5 150 5 200-5 250	<i>Table_TextS5</i> FIXED-SATELLITE (Earth-to-space) 5.447A MOBILE except aeronautical mobile 5.446A 5.446B AERONAUTICAL RADIONAVIGATION 5.446 5.446C 5.447 5.447B 5.447C	

Proposal
ADD IAP/XX/11

Art_def
5.A2 *Normal*
This is a new footnote ...

Reasons
Reasons: No bold in text of Reasons.

Split of the RR band 5 150-5250 MHz in 5 150-5 200 and 5 200-5250 MHz:
1- Create a new row without revision marks by copying exactly the same information as in the existing RR row;
2- Switch on the track changes;
3- Make modifications in the existing row and the newly created row, as appropriate.

Art_No
ARTICLE 21

Art_title
Terrestrial and space services sharing frequency bands above 1 GHz

Section_1
Section V – Limits of power flux-density from space stations

Proposal
MOD IAP/XX/12

Table_No
TABLE 21-4 (REV.WRC-1215)

<i>Table_head</i> 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°	
...					
<i>Table_text</i> 4 500-4 800 MHz 5 670-5 725 MHz (Nos. 5.453 and 5.455) 7 250- 7 900 <u>7 901</u> MHz	<i>Table_text</i> Fixed-satellite (space-to-Earth) Meteorological-satellite (space-to-Earth) Mobile-satellite Space research	<i>Table_text</i> -152	<i>Table_text</i> -152 + 0.5(δ - 5)	<i>Table_text</i> -142	<i>Table_text</i> 4 kHz
...					

Reasons
Reasons: No bold in text of Reasons.

Art_No
ARTICLE 52

Art_title
Special rules relating to the use of frequencies

Section_1
Section VI – Use of frequencies for radiotelephony

Art_def
52.216 *Section_2*
C – Bands between 4 000 kHz and 27 500 kHz,

Section_3
C2 – Call and reply

Proposal
MOD IAP/XX/13

Art_def *Normal*
52.221 § 97 1) Ship stations may use the following carrier frequencies for calling in radiotelephony^{1A}:
4 125kHz
6 215 kHz^{3, 4}
8 255 kHz
12 290 kHz⁴ (see also No. **52.221A**)
16 420 kHz⁴ (see also No. **52.221A**)
18 795 kHz
22 060 kHz
25 097 kHz

(WRC-2000)

Proposal
ADD IAP/XX/14

When a footnote is modified/added, it directly follows the text after this line

Art_def *Footnote Text*
^{1A}**52.221.1A** These frequencies may also be used by coast stations with class H2B emission, when using the selective calling system defined in Recommendation ITU-R M.257-3.

Reasons
Reasons: No bold in text of Reasons.

Appendix_No
APPENDIX 30 (REV.WRC-12) *

Appendix_title
**Provisions for all services and associated Plans and List¹ for
the broadcasting-satellite service in the frequency bands
11.7-12.2 GHz (in Region 3), 11.7-12.5 GHz (in Region 1)
and 12.2-12.7 GHz (in Region 2) (WRC-03)**

Annex_No
ANNEX 1 (REV.WRC-03)

Annex_title
**Limits for determining whether a service of an administration is affected
by a proposed modification to the Region 2 Plan or by a proposed
new or modified assignment in the Regions 1 and 3 List
or when it is necessary under this Appendix to seek
the agreement of any other administration²⁵**

Proposal
MOD IAP/XX/15

Heading 1
**1 Limits for the interference into frequency assignments in conformity
with the Regions 1 and 3 Plan or with the Regions 1 and 3 List or into
new or modified assignments in the Regions 1 and 3 List**

Normal

Under assumed free-space propagation conditions, the power flux-density of a proposed new or modified assignment in the List shall not exceed the value of $-103.6 \text{ dB(W/(m}^2 \cdot 27 \text{ MHz))}$.

With respect to § 4.1.1 *a)* or *b)* of Article 4, an administration in Region 1 or 3 is considered by the Bureau as being affected if the minimum orbital spacing between the wanted and interfering space stations, under worst-case station-keeping conditions, is less than 9° .

However, an administration in Region 1 or 3 is considered as not being affected if either of the following two conditions is met:

When footnotes are not modified they remain at the bottom of the page

* The expression “frequency assignment to a space station”, wherever it appears in this Appendix, shall be understood to refer to a frequency assignment associated with a given orbital position. See also Annex 7 for the orbital limitations. (WRC-2000)

¹ The Regions 1 and 3 List of additional uses is annexed to the Master International Frequency Register (see Resolution **542 (WRC-2000)****). (WRC-03)

** *Note by the Secretariat:* This Resolution was abrogated by WRC-03.

²⁵ With respect to this Annex, except for Section 2, the limits relate to the power flux-density which would be obtained assuming free-space propagation conditions.

With respect to Section 2 of this Annex, the limit specified relates to the overall equivalent protection margin calculated in accordance with § 2.2.4 of Annex 5.

enumlev1

a) under assumed free-space propagation conditions, the power flux-density at any test point within the service area associated with any of its frequency assignments in the Plan or in the List or for which the procedure of Article 4 has been initiated, does not exceed the following values²⁶:

-147 dB(W/(m ² · 27 MHz))	for 0° ≤ θ < 0.23°
-135.78 + 17.74 log θ dB(W/(m ² · 27 MHz))	for 0.23° ≤ θ < 2.0°
-136.7 + 1.667 θ ² dB(W/(m ² · 27 MHz))	for 2.0° ≤ θ < 3.59°
-129.2 + 25 log θ dB(W/(m ² · 27 MHz))	for 3.59° ≤ θ < 9°

where θ is the minimum geocentric orbital separation in degrees between the wanted and interfering space stations, taking into account the respective East-West station-keeping accuracies;

Reasons

Reasons: The reasons that this

Proposal

SUP IAP/XX/16

Res_No

RESOLUTION 81 (WRC-2000)

Res_title

Evaluation of the administrative due diligence procedure for satellite networks

Reasons

Reasons: The reasons that this

²⁶ For the protection of analogue assignments brought in service before 17 October 1997, the following values shall be used until 1 January 2015:

-147 dB(W/(m ² · 27 MHz))	for 0° ≤ θ < 0.44°
-138 + 25 log θ dB(W/(m ² · 27 MHz))	for 0.44° ≤ θ < 9°.

Proposal
MOD IAP/XX/17

Res_No
RESOLUTION 125 (REV.WRC-~~12~~15)

Res_title
**Frequency sharing in the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz
between the mobile-satellite service and the radio astronomy service**

Normal after title
The World Radiocommunication Conference (Geneva, ~~2012~~2015),

Call
with a view

Normal
to enabling the mobile-satellite service (MSS) and the radio astronomy service to make the most efficient use of frequency bands allocated to them, having due regard to the other services to which those bands are also allocated,

Call
considering

- Normal*
- a) that the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz are allocated to the radio astronomy service and the MSS (Earth-to-space) on a co-primary basis;
 - b) that No. **5.372** states that “Harmful interference shall not be caused to stations of the radio astronomy service using the band 1 610.6-1 613.8 MHz by stations of the radiodetermination-satellite and mobile-satellite services (No. **29.13** applies)”; and that Article **29** also points out that emissions from space or airborne stations can be particularly serious sources of interference to the radio astronomy service;
 - c) that the nature of objects studied by the radio astronomy service in the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz demands maximum flexibility in the planning of observation frequencies;
 - d) that, in the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz, which are shared between the radio astronomy service and the MSS, operational constraints are necessary for MSS mobile earth stations;
 - e) that a former ITU-R Recommendation relating to sharing between the MSS and the radio astronomy service in the band 1 660-1 660.5 MHz noted that further studies were required, particularly in the areas of propagation models and assumptions used for the determination of separation distances;
 - f) that Recommendation ITU-R M.1316 may be used in order to facilitate coordination between mobile earth stations and radio astronomy stations in the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz;
 - g) that no experience has been gained up to now with the use of the Recommendation mentioned in *considering f*);
 - h) that the threshold levels of interference detrimental to the radio astronomy service are given in Recommendation ITU-R RA.769,

Call
resolves

Normal

that a future competent conference should evaluate frequency sharing in the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz between the MSS and the radio astronomy service, based upon the experience gained with the use of Recommendation ITU-R M.1316 and other relevant ITU-R Recommendations,

Call
invites ITU-R

Normal

to continue studies to evaluate the effectiveness of Recommendations aiming to facilitate sharing between the MSS and the radio astronomy service,

Call
instructs the Director of the Radiocommunication Bureau

Normal

to provide the results of the studies in the Report of the Director to a future competent conference,

Call
urges administrations

Normal

to participate actively in this evaluation.

Reasons

Reasons: The changes to this resolution

Proposal

ADD IAP/XX/18

Res_No

DRAFT NEW RESOLUTION [IAP/...] (WRC-15)

Res_title

Use of modern electronic means of communication for administrative correspondence related to advance publication, coordination and notification of satellite networks including that related to Appendices 30, 30A and 30B, earth stations and radio astronomy stations

Normal after title

The World Radiocommunication Conference (Geneva, 2015),

Call
considering

Normal

that the use of electronic means of communication for administrative correspondence related to advance publication, coordination and notification of satellite networks, earth stations and radio astronomy stations would facilitate the tasks of the Radiocommunication Bureau and of administrations and has the potential to improve the coordination and notification process by reducing the amount of duplicated correspondence,

Call
noting

Normal

that Decision 5 (Rev. Guadalajara, 2010) includes, in its Annex 2, paragraph 20, which proposes to “move, to the extent practicable, from present communications by fax between the Union and Member States to modern electronic communication methods”,

Call
recognizing

Normal

that administrations could use the time freed by a reduction of administrative correspondence to effect coordination,

Call
resolves

Normal

1 that modern electronic means of communication shall be used whenever possible in the administrative correspondence between administrations and the Radiocommunication Bureau related to advance publication, coordination and notification, including correspondence related to Appendices **30**, **30A** and **30B** and, where applicable, to due diligence for satellite networks, earth stations and radio astronomy stations;

2 that other, traditional means of communication can continue to be used if modern electronic means are not available,

Call
instructs the Radiocommunication Bureau

Normal

1 to provide administrations with the necessary technical means to ensure that the modern electronic correspondence between administrations and the Radiocommunication Bureau is secure;

2 to inform administrations of the availability of such means and of the associated schedule of implementation;

3 to automatically acknowledge receipt of all electronic correspondence;

4 to report to the next world radiocommunication conference on the experience gained in the application of this Resolution, with a view to making any necessary consequential amendments to the Radio Regulations.

Reasons

Reasons: This new resolution is proposed to