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| A close up of a sign  Description automatically generated | **World Radiocommunication Conference (WRC-23) Dubai, 20 November - 15 December 2023** | |  |
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| PLENARY MEETING | | **Addendum 10 to Document 148(Add.22)-E** | |
|  | | **30 October 2023** | |
|  | | **Original: English** | |
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| Iran (Islamic Republic of) | | | |
| PROPOSALS FOR THE WORK OF THE CONFERENCE | | | |
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| Agenda item 7(H) | | | |

7 to consider possible changes, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, on advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86** **(Rev.WRC‑07)**, in order to facilitate the rational, efficient and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;

7(H) Topic H - Enhanced protection of RR Appendices **30/30A** in Regions 1 and 3 and RR Appendix **30B**

Introduction

To address this agenda item, the studies carried out by ITU‑R have considered the two following approaches:

1) removing the concept of implicit agreement in RR Appendices **30/30A** and RR Appendix **30B**;

2) reducing the coordination trigger for Plan assignments in RR Appendices **30/30A**.

Among different methods proposed to satisfy Topic H, the above two objectives are achieved in Method H1B and Method H2B, respectively.

It is noted that Option 2 of Method H1B would further enhance the protection of RR Appendices **30/30A** by removing another type of implicit agreement imposed on these Appendices by the non-Plan FSS of Region 2.

This Administration has no difficulty if WRC decides to also remove the concept of implicit agreement applied by unplanned FSS assignments of other Regions with respect to the BSS Plan of Region 2.

In line with the objective of establishing Topic H, the Islamic Republic of Iran supports Method H1B, Option 2, for the issue of the “implicit agreement” and Method H2B for the issue of the “EPM degradation tolerance” as outlined in the CPM Report, and the following proposals are presented accordingly.

Proposals

These proposals are prepared according to Method H1B, Option 2, and Method H2B in the CPM Report.

APPENDIX 30 (REV.WRC‑19)\*

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)

MOD IRN/148A22A10/1#2076

ARTICLE 4     (Rev.WRC‑23)

Procedures for modifications to the Region 2 Plan or   
for additional uses in Regions 1 and 3[[1]](#footnote-2)3

## 4.1 Provisions applicable to Regions 1 and 3

ADD IRN/148A22A10/2#2077

4.1.10e The course of action described in §§ 4.1.10a to 4.1.10d does not apply to an assignment in the Plan in Regions 1 and 3 or an assignment intended to enter in the Regions 1 and 3 Plan.     (WRC‑23)

MOD IRN/148A22A10/3#2078

ARTICLE 7     (Rev.WRC‑23)

Coordination, notification and recording in the Master International   
Frequency Register of frequency assignments to stations in the fixed-satellite service (space-to-Earth) in the bands 11.7-12.2 GHz (in Region 2),  
12.2-12.7 GHz (in Region 3) and 12.5-12.7 GHz (in Region 1), and to stations   
in the broadcasting-satellite service in the band 12.5-12.7 GHz (in Region 3)   
when frequency assignments to broadcasting-satellite stations in  
the bands 11.7-12.5 GHz in Region 1, 12.2-12.7 GHz in Region 2  
and 11.7-12.2 GHz in Region 3 are involved[[2]](#footnote-3)22

ADD IRN/148A22A10/4#2079

7.1*bis* The course of action described in §§ 9.60 to 9.62 of Article **9** does not apply to an assignment in the Appendix **30** Regions 1 and 3 Plan, an assignment intended to enter in this Plan, List or proposed new or modified assignments in the List, when the affecting network is a fixed-satellite service (space-to-Earth) in the frequency band 11.7-12.2 GHz in Region 2.     (WRC‑23)

ANNEX 1     (REV.WRC‑19)

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

MOD IRN/148A22A10/5#2146

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

*...*

*b)* the effect of the proposed new or modified assignments in the List is that the equivalent downlink protection margin27 corresponding to a test point of its assignment in the Regions 1 and 3 Plan or List, or for which the procedure of Article 4 has been initiated, including cumulative effect of any previous modification to the List or any previous agreement, does not fall more than 0.45[[3]](#footnote-4)XX dB below 0 dB or, if already negative, more than 0.45XX dB below the value resulting from:

– the Regions 1 and 3 Plan and List as established by WRC‑2000; *or*

– a proposed new or modified assignment to the List in accordance with this Appendix; *or*

– a new entry in the Regions 1 and 3 List as a result of a successful application of Article 4 procedures.

NOTE – In performing the calculation, the effect at the receiver input of all the co-channel and adjacent-channel signals is expressed in terms of one equivalent co-channel interfering signal. This value is usually expressed in decibels.     (WRC‑03)

APPENDIX 30A (REV.WRC‑19)\*

Provisions and associated Plans and List1 for feeder links for the broadcasting-satellite service (11.7-12.5 GHz in Region 1, 12.2-12.7 GHz  
in Region 2 and 11.7-12.2 GHz in Region 3) in the frequency bands  
14.5-14.8 GHz2 and 17.3-18.1 GHz in Regions 1 and 3,  
and 17.3-17.8 GHz in Region 2     (WRC‑03)

MOD IRN/148A22A10/6#2080

ARTICLE 4     (Rev.WRC‑23)

Procedures for modifications to the Region 2 feeder-link Plan   
or for additional uses in Regions 1 and 3

## 4.1 Provisions applicable to Regions 1 and 3

ADD IRN/148A22A10/7#2081

4.1.10e The course of action described in §§ 4.1.10a to 4.1.10d does not apply to an assignment in the Regions 1 and 3 Plan or an assignment intended to enter in the Plan in Regions 1 and 3.     (WRC‑23)

MOD IRN/148A22A10/8#2082

ARTICLE 7     (Rev.WRC‑23)

Coordination, notification and recording in the Master International   
Frequency Register of frequency assignments to stations in the fixed-satellite service (space-to-Earth) in Region 1 in the frequency band 17.3-18.1 GHz and   
in Regions 2 and 3 in the frequency band 17.7-18.1 GHz, to stations in the fixed‑satellite service (Earth-to-space) in Region 2 in the frequency bands 14.5‑14.8 GHz and 17.8‑18.1 GHz, to stations in the fixed-satellite service (Earth-to-space) in countries listed in Resolution 163 (WRC‑15) in the frequency band 14.5‑14.75 GHz and in countries listed in Resolution 164 (WRC‑15) in the frequency band 14.5-14.8 GHz where those stations are not for feeder links for the broadcasting-satellite service, and to stations in the broadcasting-satellite service in Region 2 in the frequency band 17.3-17.8 GHz when frequency assignments to feeder links for broadcasting-satellite stations in the frequency bands 14.5-14.8 GHz and 17.3-18.1 GHz in Regions 1 and 3 or in the   
frequency band 17.3-17.8 GHz in Region 2 are involved[[4]](#footnote-5)28     (Rev.WRC‑19)

Section I – Coordination of transmitting space or earth stations in the fixed-satellite   
service or transmitting space stations in the broadcasting-satellite service  
with assignments to broadcasting-satellite service feeder links

ADD IRN/148A22A10/9#2083

7.1*bis*  The course of action described in §§ 9.60 to 9.62 of Article **9** does not apply to an assignment in the Appendix **30A** Regions 1 and 3 Plan, an assignment intended to enter in this Plan, List or proposed new or modified assignments in the List, when the affecting network is fixed-satellite service (space-to-Earth) in the frequency band 17.7-18.1 GHz in Region 2.     (WRC‑23)

ANNEX 1     (Rev.WRC‑19)

Limits for determining whether a service of an administration is considered  
to be affected by a proposed modification to the Region 2 feeder-link Plan  
or by a proposed new or modified assignment in the Regions 1 and 3  
feeder-link List or when it is necessary under this Appendix to seek  
the agreement of any other administration     (Rev.WRC‑03)

MOD IRN/148A22A10/10#2147

4 Limits to the interference into frequency assignments in conformity with the Regions 1 and 3 feeder-link Plan or with the Regions 1 and 3 feeder-link List or proposed new or modified assignments in the Regions 1 and 3 feeder-link List     (WRC‑03)

…

However, an administration is not considered as being affected if, under assumed free-space propagation conditions, the effect of the proposed new or modified assignments in the feeder-link List is that the feeder-link equivalent protection margin[[5]](#footnote-6)35 corresponding to a test point of its assignment in the feeder-link Plan or the feeder-link List or for which the procedure of Article 4 has been initiated, including the cumulative effect of any previous modification to the feeder-link List or any previous agreement, does not fall more than 0.45[[6]](#footnote-7)XX1 dB below 0 dB, or, if already negative, more than 0.45XX1 dB below the value resulting from:

– the Regions 1 and 3 feeder-link Plan and List as established by WRC‑2000; *or*

– a proposed new or modified assignment to the feeder-link List in accordance with this Appendix; *or*

– a new entry in the Regions 1 and 3 feeder-link List as a result of the successful application of Article 4 procedures.     (WRC‑23)

For a proposed new or modified assignment to the feeder-link List, in the interference analysis, for each test point, the antenna characteristics described in § 3.5 of Annex 3 shall apply.     (WRC‑03)

APPENDIX 30B (REV.WRC‑19)

Provisions and associated Plan for the fixed-satellite service  
in the frequency bands 4 500-4 800 MHz, 6 725-7 025 MHz,  
10.70-10.95 GHz, 11.20-11.45 GHz and 12.75-13.25 GHz

MOD IRN/148A22A10/11#2084

ARTICLE 6     (REV.WRC‑23)

Procedures for the conversion of an allotment into an assignment, for  
the introduction of an additional system or for the modification of  
an assignment in the List[[7]](#footnote-8)1, [[8]](#footnote-9)2, [[9]](#footnote-10)2*bis*     (WRC‑19)

MOD IRN/148A22A10/12#2085

6.15*bis* The course of action described in §§ 6.13 to 6.15 does not apply to the agreement requested under § 6.6 or to allotments in the Plan or an assignment treated under Article 6 in accordance with § 7.7 of Article 7.     (WRC‑23)

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1. 3 The provisions of Resolution **49 (Rev.WRC‑15)** apply.     (WRC‑15) [↑](#footnote-ref-2)
2. 22 These provisions do not replace the procedures prescribed in Articles **9** and **11** when stations other than those in the broadcasting-satellite service subject to a Plan are involved.     (WRC‑03) [↑](#footnote-ref-3)
3. XX For protection of an assignment in the Regions 1 and 3 Plan or an assignment with national coverage from a submission of non-national coverage, 0.25 dB shall be used instead.     (WRC‑23) [↑](#footnote-ref-4)
4. 28 These provisions do not replace the procedures prescribed in Articles **9** and **11** when stations other than those for feeder links in the broadcasting-satellite service subject to a Plan are involved.     (WRC‑03) [↑](#footnote-ref-5)
5. 35 For the definition of the equivalent protection margin, see § 1.7 of Annex 3. [↑](#footnote-ref-6)
6. XX1 For protection of an assignment in the Regions 1 and 3 feeder-link Plan or an assignment with national coverage from a submission of non-national coverage, 0.25 dB shall be used instead.     (WRC‑23) [↑](#footnote-ref-7)
7. 1 If the payments are not received in accordance with the provisions of Council Decision 482, as amended, on the implementation of cost recovery for satellite network filings, the Bureau shall cancel the publication specified in § 6.7 and/or 6.23 and the corresponding entries in the List under § 6.23 and/or 6.25, as appropriate, and reinstate any allotments back into the Plan after informing the administration concerned. The Bureau shall inform all administrations of such action and that the network specified in the publication in question no longer has to be taken into consideration by the Bureau and other administrations. The Bureau shall send a reminder to the notifying administration not later than two months prior to the deadline for the payment in accordance with the above‑mentioned Council Decision 482, unless the payment has already been received. See also Resolution **905 (WRC‑07)**\*.

   \* *Note by the Secretariat*: This Resolution was abrogated by WRC‑12. [↑](#footnote-ref-8)
8. 2 Resolution **49 (Rev.WRC‑15)** applies.     (WRC‑15) [↑](#footnote-ref-9)
9. 2*bis* Resolution **170** **(WRC‑19)** applies.     (WRC-19) [↑](#footnote-ref-10)