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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 8 toDocument 148(Add.22)-E** |
|  | **25 October 2023** |
|  | **Original: English** |
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| Iran (Islamic Republic of) |
| PROPOSALS FOR THE WORK OF THE CONFERENCE |
|  |
| Agenda item 7(F) |

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(F) Topic F - Excluding uplink service area in RR Appendix **30A** for Regions 1 and 3 and RR Appendix **30B**

Introduction

Topic F was created to establish effective mechanisms that prevent one administration from creating an obstacle to the establishment of space systems by other countries in the feeder-link/uplink within the Plan frequency bands. During the current ITU-R study cycle, four methods have been developed, three of which propose measures to enable the exclusion of the territory of a country from the uplink service area of another country.

Proposals

The Islamic Republic of Iran is in favour of establishing this possibility for both Appendices 30Aand30Bof the Radio Regulations which can be requested at any time. Consequently, this Administration supports Method F2 as outlined in the CPM Report and has made the following proposals based on it.

APPENDIX 30A (REV.WRC‑19)[[1]](#footnote-1)\*

Provisions and associated Plans and List[[2]](#footnote-2)1 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 GHz[[3]](#footnote-3)2 and 17.3-18.1 GHz in Regions 1 and 3,
and 17.3-17.8 GHz in Region 2     (WRC‑03)

ARTICLE 4     (Rev.WRC‑19)

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

MOD IRN/148A22A8/1#2056

4.1.1 An administration proposing to include a new or modified assignment in the feeder-link List shall seek the agreement of those administrations whose current or future services are considered to be affected, i.e. administrations[[4]](#footnote-4)4, [[5]](#footnote-5)5:

…

*d)* having a feeder-link frequency assignment in the frequency bands 14.5-14.8 GHz or 17.8-18.1 GHz in Region 2 in the fixed-satellite service (Earth-to-space) to a space station in the broadcasting-satellite service, or a frequency assignment in the frequency band 14.5‑14.75 GHz in countries listed in Resolution **163 (WRC‑15)** and in the frequency band 14.5-14.8 GHz in countries listed in Resolution **164** **(WRC‑15)**, in the fixed-satellite service (Earth-to-space) not subject to a Plan, which is recorded in the Master Register or which has been coordinated or is being coordinated under the provisions of No. 9.7, or under § 7.1 of Article 7, with a necessary bandwidth, any portion of which falls within the necessary bandwidth of the proposed assignment; *or*

*e)* the territory of which is partially or wholly covered by an antenna relative gain contour of −20 dB or greater.     (WRC‑23)

ADD IRN/148A22A8/2#2057

4.1.10e[[6]](#footnote-6)XXAn administration may at any time during or after the above-mentioned four-month period inform the Bureau about its objection to being included in the service area of any assignment, even if this assignment has been entered in the List. The Bureau shall then inform the administration responsible for the assignment and exclude the territory and test pointsthat are within the territory of the objecting administration from the service area. The Bureau shall update the reference situation without reviewing the previous examinations.     (WRC‑23)

ARTICLE 10

Interference

ADD IRN/148A22A8/3#2058

10.2 An administration shall not claim protection from harmful interference to a new or modified assignment included in the feeder-link List, where such interference results from the territory of an administration that has not provided its agreement under § 4.1.1.     (WRC‑23)

ANNEX 3

Technical data used in establishing the provisions and associated
Plans and Regions 1 and 3 feeder-link List, which should
be used for their application[[7]](#footnote-7)36     (Rev.WRC‑03)

# 1 Definitions

ADD IRN/148A22A8/4#2059

## 1.2*bis* Feeder-link coverage area

The area on the surface of the Earth delineated by a contour of a constant given value of relative receiving space station antenna gain which would permit the wanted quality of reception in the absence of interference.

NOTE – The coverage area must be the smallest area which encompasses the service area. The notifying administration shall respect this requirement when submitting an Appendix **30A** notice to the Bureau. Should the associated satellite be already in operation at the time of the submission of Appendix **30A** notice or be launched within [1] year from the date of submission of Appendix **30A** notice, the notifying administration shall submit to the Bureau an updated coverage area diagram(s). The Bureau shall update the coverage area in the List and Master Register when that satellite is replaced by a new one and there is no need to restart the Article 4 procedure. In this connection, the coverage area at the time of the submission or the updated one after replacement of the satellite shall be aligned with the most up-to-date service area.      (WRC‑23)

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

ARTICLE 6     (REV.WRC‑19)

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[[8]](#footnote-8)1, [[9]](#footnote-9)2, [[10]](#footnote-10)2*bis*     (WRC‑19)

MOD IRN/148A22A8/5#2060

6.16[[11]](#footnote-11)YY An administration may at any time during or after the above-mentioned four-month period inform the Bureau about its objection to being included in the service area of any assignment, even if this assignment has been entered in the List. The Bureau shall then inform the administration responsible for the assignment and exclude the territory and test points6*bis* that are within the territory of the objecting administration from the service area. The Bureau shall update the reference situation without reviewing the previous examinations.     (WRC‑23)

ARTICLE 9     (REV.WRC‑07)

General provisions

MOD IRN/148A22A8/6#2061

9.2 An administration that implements an additional system with a service area beyond its national territory shall not claim protection from harmful interference from the Earth-to-space emissions from the territory/territories of an administration(s) that has informed the Bureau of its objection to being included in the service area of such assignments under § 6.16.     (WRC‑23)

ANNEX 1     (WRC‑03)

Parameters used in characterizing the fixed-satellite service
allotment Plan     (WRC‑07)

Section A     (SUP - WRC‑07)

# 1 Basic technical characteristics

The allotments in the Plan are based on a reference satellite network with the following assumptions:

ADD IRN/148A22A8/7#2062

## 1.9 Coverage area and service area

The coverage area must be the smallest area which encompasses the service area. The notifying administration shall respect this requirement when submitting an Appendix **30B** notice to the Bureau. Should the associated satellite be already in operation at the time of the submission of Appendix **30B** notice or be launched within [1] year from the date of submission of Appendix **30B** notice, the notifying administration shall submit to the Bureau updated coverage area diagram(s). The Bureau shall update the coverage area in the List and Master Register when that satellite is replaced by a new one and there is no need to restart the Article 6 procedure. In this connection, the coverage area at the time of the submission or the updated one after replacement of the satellite shall be aligned with the most up-to-date service area.     (WRC‑23)

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1. \* 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.     (WRC‑03) [↑](#footnote-ref-1)
2. 1 The Regions 1 and 3 feeder-link 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. [↑](#footnote-ref-2)
3. 2 This use of the band 14.5-14.8 GHz is reserved for countries outside Europe.

*Note by the Secretariat*: Reference to an Article with the number in roman is referring to an Article in this Appendix. [↑](#footnote-ref-3)
4. 4 Agreement with administrations having a frequency assignment in the band 14.5-14.8 GHz or 17.7-18.1 GHz to a terrestrial station, or having a frequency assignment in the band 17.7-18.1 GHz to an earth station in the fixed-satellite service (space-to-Earth), or having a frequency assignment in the band 17.3-17.8 GHz in the broadcasting-satellite service shall be sought under No. **9.17**, No. **9.17A** or No. **9.19**, respectively. [↑](#footnote-ref-4)
5. 5 Coordination under Nos. **9.17** or **9.17A** is not required for an earth station of an administration on the territory of which this earth station is located and for which the procedures of former § 4.2.1.2 and 4.2.1.3 of Appendix **30A (WRC‑97)** have been successfully applied by that administration before 3 June 2000 in respect of terrestrial stations or earth stations operating in the opposite direction of transmission.     (WRC‑03) [↑](#footnote-ref-5)
6. XX When an administration or a group of named administrations plans to implement a satellite network with a service area limited to its territory or their territories, as appropriate, any other notifying administration of a satellite network having high receiving sensitivity (relative satellite antenna gain of −20 dB or greater) over the territory/territories of the former administration(s) and being identified as affected by the Bureau shall, under no circumstances whatsoever, claim protection from the assignments transmitting from the territory/territories of the former administration(s).     (WRC‑23) [↑](#footnote-ref-6)
7. 36 In revising this Annex at WRC‑97 and at WRC‑2000, no changes were made to the technical data applicable to the Region 2 feeder-link Plan. However, for all three Regions it should be noted that some of the parameters of networks proposed as modifications to the Region 2 feeder-link Plan and the Regions 1 and 3 feeder-link Lists may differ from the technical data presented herein.     (WRC‑2000) [↑](#footnote-ref-7)
8. 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)
9. 2 Resolution **49 (Rev.WRC‑15)** applies.      (WRC‑15) [↑](#footnote-ref-9)
10. 2*bis* Resolution **170** **(WRC‑19)** applies.     (WRC-19) [↑](#footnote-ref-10)
11. YY When an administration or a group of named administrations plans to implement a satellite network with a service area limited to its territory or their territories, as appropriate, any other notifying administration of a satellite network having high receiving sensitivity (relative satellite antenna gain of −20 dB or greater) over the territory/territories of the former administration(s) and being identified as affected by the Bureau shall, under no circumstances whatsoever, claim protection from the assignments transmitting from the territory/territories of the former administration(s).     (WRC‑23) [↑](#footnote-ref-11)