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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 | **Document 203-E** |
|  | **27 October 2023** |
|  | **Original: English** |
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| Saudi Arabia (Kingdom of)/Bahrain (Kingdom of)/Djibouti (Republic of)/Iraq (Republic of)/Jordan (Hashemite Kingdom of)/Kuwait (State of)/Libya (State of)/Oman (Sultanate of)/Syrian Arab Republic/Somalia (Federal Republic of)/Tunisia |
| PROPOSALS FOR THE WORK OF THE CONFERENCE |
|  |
| 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**

For Method H1B

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 ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/1#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-1)3

## 4.1 Provisions applicable to Regions 1 and 3

ADD ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/2#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)

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 ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/3#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 ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/4#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)

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 ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/5#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[[2]](#footnote-2)1, [[3]](#footnote-3)2, [[4]](#footnote-4)2*bis*     (WRC‑19)

MOD ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/6#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)

For Method H2B

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)

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 ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/7#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[[5]](#footnote-5)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)

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 ARS/BHR/DJI/IRQ/JOR/KWT/LBY/OMA/SYR/SOM/TUN/203/8#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[[6]](#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[[7]](#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‑03)

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)

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1. 3 The provisions of Resolution **49 (Rev.WRC‑15)** apply.     (WRC‑15) [↑](#footnote-ref-1)
2. 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-2)
3. 2 Resolution **49 (Rev.WRC‑15)** applies.     (WRC‑15) [↑](#footnote-ref-3)
4. 2*bis* Resolution **170** **(WRC‑19)** applies.     (WRC-19) [↑](#footnote-ref-4)
5. 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-5)
6. 35 For the definition of the equivalent protection margin, see § 1.7 of Annex 3. [↑](#footnote-ref-6)
7. 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)