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United States of America

DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda item 1.35:

"to consider the report of the Director of the Radiocommunication Bureau on the results of the analysis in accordance with Resolution 53 (Rev.WRC-2000) and take appropriate action" Resolution 53 (Rev.WRC-2000).

Issue: Updating of the "Remarks" columns in the tables of Article 9A of Appendix 30A and Article 11 of Appendix 30 to the Radio Regulations.

Background:

Resolution 53 of WRC-00 mandates the Radiocommunication Bureau (BR) to carry out compatibility studies between the Regions 1 and 3 BSS Plan adopted by WRC-00 and other services having primary allocations in the Plan bands, for consideration by WRC-03 under agenda item 1.35. The Circular letter CR/183 dated 7 October 2002 contains the initial report of these studies using the criteria and methodology in Article 11 of Appendix 30 and 9A and of Appendix 30A, as mandated in Resolution 53. This Circular letter also includes an indication of those FSS satellite networks affecting or affected by BSS Plan assignments and for which the Rules of Procedure on the suspension of examination under No. 9.35 have been applied. This report is still to be updated to reflect comments from Administrations and include expected impact from terrestrial services as well as other relevant matters. When finalized, this report will serve as a basis for updating the "Remarks" columns in Appendices 30 and 30A and identifying assignments that shall be subject to a coordination process before they may be brought into service.

FSS networks have been identified in Annex 1 of CR/183 as potentially affecting or affected by the Regions 1 and 3 BSS Plan assignments, and will thus require to be coordinated in accordance with Resolution 53. Given the impact this will have on the coordination or notification status of these FSS networks, and considering that some of these FSS networks are required to be brought into use prior to 2007, it is important that final decisions on the identification of networks requiring co-ordination be made at WRC-03.

Some Administrations at the November 2002 CPM meeting expressed the view that networks processed under the Rules of Procedures suspending examinations under No. 9.35 of the Radio Regulations not be taken into account in the compatibility study. However in its re-planning, WRC-00 fully recognized the need to preserve the integrity of other services sharing the planned bands, and in adopting Resolution 53 clearly specified those FSS networks involved, irrespective of the manner in which they were going to be processed under Article 9 of the Radio Regulations. Moreover it would be unprecedented and unfair not to take into account FSS networks as suggested by some

administrations just because these administrations are discontented with this Rule of Procedure, which was adopted by the RRB. WRC-03 should not penalize administrations whose FSS networks were processed under this Rule of Procedure, as these administrations are not responsible for the adoption of these rules. It is thus important that all FSS networks specified in Resolution 53 continue to be fully taken into account at WRC-03 under agenda item 1.35, for the purpose of updating the "Remarks" columns in the tables of Article 9A of Appendix 30A and Article 11 of Appendix 30. This includes those processed under the Rules of Procedures on No. 9.35 of the Radio Regulations.

Finally a preliminary evaluation of the initial BR results reported in CR/183 highlights several unrealistic cases on incompatibility between BSS Region 1 and 3 Plan assignments and FSS networks, leading to unnecessary co-ordination requirements for the FSS and BSS assignments involved which in many cases have more than 100° orbital separation. It will therefore be necessary that WRC-03 also consider readily available technical means of streamlining such cases of incompatibilities. These technical means would reduce the number of instances where BSS Plan assignments and FSS have unnecessary coordination requirements. Examples of possible means for reducing the cases of undue co-ordination constraints are addressed below.

- Use of coverage areas for the FSS networks that reflect Regional boundaries: the BR assumed a global service area for the steerable spot beams of the FSS networks in conducting the compatibility analyses. For example, in the 11.7-12.2 GHz band, rather than limiting the FSS coverage area to Region 2, a global beam covering Regions 1 and 2 is assumed, thus overestimating the interference into the BSS in Region 1. Limiting the assumed coverage area for the steerable beams to Region 2 in the 11.7-12.2 GHz band and to Region 3 in the 12.2-12.12.7 GHz band (and not the entire visible Earth) will allow for more realistic results and reduce the unrealistic cases of incompatibility.
- Use of updated sharing criteria: Tables 3.2-1 and 3.2-2 of the final CPM report to WRC-03 indicate that use of either of the pfd masks for interregional sharing given in Section 3.2.2.3 of the CPM report would greatly alleviate the interregional incompatibilities. Notwithstanding the use of the above referenced sharing criteria, inclusion of guidance in Article 11 of Appendix 30 to be considered in detailed discussion between administrations would help addressing many of the outstanding cases where co-ordination is still required.
If the criteria in Annex 4 and in Section 6 of Annex 1 of Appendix 30 are revised at WRC-03 and if the BR can undertake the necessary compatibility analyses consistent with Resolution 53 at WRC-03, the results should be reflected in the relevant Notes and Remarks of Article 11 of Appendix 30.

The proposals contained herein reflect the points made above with respect to Agenda item 1.35 of WRC-03. The US may update these proposals as necessary based on further studies.

PROPOSALS

USA/1.35/1

MOD the Table (in pages AP30-66 to AP30-72 of Appendix 30) on Basic characteristic of the Regions 1 and 3 Plan (sorted by Administrations) by updating Column 16 of this table as appropriate.

USA/1.35/2

ADD New TABLE 2 (from Table 2 of Annex 1 in circular letter CR/183) and New TABLE 3 (from Table 3 of Annex 1 in circular letter CR/183)

Reason: WRC-03 should proceed with the updating of the "Remarks" columns in the Table of Article 11 of Appendix 30 to the Radio Regulations. In so doing, the BR report in response to Resolution 53 should be taken into consideration, along with contributions from Administrations addressing technical means to eliminate unrealistic co-ordination requirements between Regions 1 and 3 BSS Plan assignments and other co-primary services. Moreover all relevant FSS networks, including those processed under the Rules of Procedures on No. 9.35, should continue to be fully taken into account for the purpose of updating the "Remarks" columns in the tables of Article 9A of Appendix 30A and Article 11 of Appendix 30. WRC-03 should not unduly penalize administrations whose FSS networks were processed under these Rules of Procedure.

USA/1.35/3

ADD New Note 5bis to Article 11 of Appendix 30

5bis This assignment shall be brought into use with the agreement of the administrations having assignments in the Fixed-Satellite Service identified as affected in Table 2.

Reason: To make reference to Table 2 specifying the networks, beams or Plan assignments and the corresponding administrations involved in the "agreement seeking" process specified in Note 5 of Article 11 of appendix 30.

USA/1.35/4

ADD New Note 7bis to Article 11 of Appendix 30

7bis This assignment shall not claim protection from administrations having assignments in the Fixed-Satellite Service identified as affecting in Table 3.

Reason: To make reference to Table 3 specifying the administrations networks, beams and Plan assignments and the corresponding administrations involved in the "no protection claim" process specified in Note 7 of Article 11 of Appendix 30.