

WRC-2003 Advisory Committee**IWG-7****DRAFT PRELIMINARY VIEWS ON WRC-03**

WRC-2003 Agenda Item 1.30[c]: to consider possible changes to the procedures for the advance publication, coordination and notification of satellite networks in response to Resolution 86 (Minneapolis, 1998)

ISSUE [c]: Reduction of Data Requirements - Potential modifications to Articles S9 and S11 of the Radio Regulations (RR) and associated appendices to the RR (e.g., Appendix S4) with respect to the amount and type of information submitted to the Radiocommunication Bureau for coordination and notification.

BACKGROUND: Resolution 86 (Minneapolis, 1998) resolves to request WRC-2000 and subsequent WRCs to continually review and update the advance publication, coordination and notification procedures, including the associated technical characteristics, and the related Appendices of the Radio Regulations, so as to ensure that they reflect the latest technologies, as well as to achieve additional simplification and cost savings for the Radiocommunication Bureau and administrations.

There is still a 32-month backlog for ITU publication of coordination special sections for satellite networks. WRC-2003 may see proposals to simplify the RR procedures to speed up processing of coordination requests. There has been a proposal within WP4A such that a minimum amount of information would be sent to the BR for coordination. The WP4A proposal may proceed successfully through the Study Group process and become a proposal to WRC-2003.

The idea of the WP4A proposal is to submit to the Bureau only the data for the most interfering links and the links most sensitive to interference. This minimum amount of information is all that is needed by the BR to determine affected administrations or for other administrations to determine whether they need to be brought into the coordination procedure. However, in practice administrations need information in greater detail to effect coordination. Furthermore, it may be difficult to identify the most interfering and most sensitive carriers since the carrier parameters of the satellite to which interference is caused or from which interference is received, the modulation type, and channel plan may need to be taken into account.

Some satellite operators have found it difficult to obtain clarification on network characteristics prior to coordinations. Reductions in the mandatory Appendix S4 coordination/notification information (ApS4/II) would make it even more difficult to perform the necessary interference analysis resulting in operators not being fully prepared for coordination discussions/meetings.

There are other means to simplify the data solely by not requiring redundant information. Information in the current Appendix S4 filings is essentially repeated one or more times for the same network (e.g., for each polarization and for each beam) where the information is identical. Significantly reformatting the Appendix S4 data to reduce repetition could lead to a need to modify the ITU software for capturing, validating and storing the data.

PRELIMINARY VIEW: Any reduction in mandatory Appendix S4 coordination/notification information (ApS4/II) should be approached cautiously so that information essential to interference analyses is not eliminated. Additionally, any reduction in the ApS4/II data should not inadvertently eliminate administrations/networks for which coordination would be required under the existing Radio Regulations and Appendix S4. The benefits from simplifying or reformatting the Appendix S4 data to reduce repetition should be carefully weighed against the potential cost of consequential modifications to the ITU software for capturing, validating and storing the data. Elimination of redundant information could be acceptable with appropriate cross-referencing.
