

UNITED STATES OF AMERICA
PRELIMINARY VIEWS FOR WRC-15

Agenda Item 9.1.2: Size of the coordination arc for triggering coordination under RR No. 9.7 between geostationary-satellite networks in the 30/20 GHz FSS bands¹

BACKGROUND: The existing coordination arcs for geostationary-satellite orbit (GSO) networks in the 6/4 GHz, 14/10/11/12 GHz, and 30/20 GHz bands are based on Recommendation ITU-R S.1524. In these bands, the nominal longitudinal separations at GSO in most countries range from 2-4° in the 6/4 GHz band, and 2° in the 14/10/11/12 GHz and the 30/20 GHz bands. Thus, it is to be expected that the number of intervening networks would be higher at 6/4 GHz band than in the other two bands. Thus, RR Appendix 5 coordination arcs of +/- 10° and +/- 9° for the 6/4 GHz and 14/12/11/10 GHz bands were reduced slightly at WRC-12 to +/- 8° and +/- 7°, respectively. Resolution 756 (WRC-12) was adopted to study, among other things, whether additional reductions in the coordination arcs in RR Appendix 5 (Rev.WRC-12) are appropriate for the 6/4 GHz and 14/10/11/12 GHz frequency bands, and whether it is appropriate to reduce the coordination arc in the 30/20 GHz band.

ITU-R Working Party 4A has responsibility for this agenda item and has been developing information with respect to filings for FSS GSO networks in the 27.5-30.0 GHz/17.7-20.2 GHz allocations to which the relevant coordination arc would apply. While the data from the ITU-R website indicates an enhanced interest in the use of these allocations, and a number of networks has been registered in the MIFR, it appears from ITU “BIU” data that significantly fewer 30/20 GHz FSS networks have been brought into use.

U.S. VIEW: The United States supports continued studies on the necessity for reducing the coordination arc in the 27.5-30.0 GHz/17.7-20.2GHz FSS allocations. However, since in the 30/20 GHz bands there is a lower density of deployment and fewer coordination requests than in other FSS bands, it may not be necessary to reduce the coordination arc in the 30/20 GHz bands as was done at WRC-12 for the 6/4 and 14/10/11/12 GHz band FSS allocations.

¹ This matter has been included in the Outline of the draft CPM Report to WRC-15 and is addressed in the Allocation of ITU-R preparatory work for WRC-15. See Administrative Circular (CA/201), Results of the first session of the Conference Preparatory Meeting for WRC-15 (CPM15-1), at Annexes 7 and 8.