

UNITED STATES OF AMERICA

DRAFT PRELIMINARY VIEWS FOR WRC-15

Agenda Item 1.6.2: to consider possible additional primary allocations, to the fixed-satellite service (Earth-to-space) of 250 MHz in Region 2 and 300 MHz in Region 3 within the range 13-17 GHz; and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolution **152 (WRC-12)**

BACKGROUND: This agenda item studies the unplanned fixed-satellite service (FSS) imbalance between the Earth-to-space direction within ITU Region 2 and 3 and considers allocating an additional 250 MHz and 300 MHz FSS (Earth-to-space), within the range 13.0-17.0 GHz, in Region 2 and Region 3, respectively. ITU-R sharing studies for this agenda item shall exclude the frequency band 13.0-13.25 GHz from consideration, in accordance with *resolves* 3 of Resolution **152 (WRC-12)**. As a result, studies in the ITU-R must demonstrate compatibility with incumbent services prior to WRC-15 allocating any additional spectrum to the FSS (Earth-to-space) in the 13.25-17.0 GHz range.

Studies carried out in preparation for WRC-95 identified limited sharing compatibility between FSS uplinks and space-borne active sensors in the Earth exploration-satellite service (active) operating in the band 13.75-14.0 GHz. These previous studies would suggest similar incompatibilities might exist between FSS uplinks and the EESS (active) primary allocation in the band 13.25-13.75 GHz.

U.S. VIEW: Given the number of existing services, types of operation, and systems, co-frequency sharing between transmitting earth stations in the FSS and existing services in the frequency range 13.25 – 17.0 GHz will be difficult.