UNITED STATES OF AMERICA

DRAFT PRELIMINARY VIEWS FOR WRC-15

Agenda Item 1.12: to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution **651 (WRC-12)**

BACKGROUND: This agenda item seeks to extend the current Earth exploration-satellite service (EESS) (active) allocation in 9 300-9 900 MHz by an additional 600 MHz within portions of the range 8 700-10 500 MHz. Currently, the 9 000-9 300 MHz band contains primary allocations to aeronautical and maritime radionavigation safety services. It is imperative to protect these safety service operations from harmful interference. Also, there is potential interference to passive services stations (radio astronomy, EESS (passive) and space research service (SRS) (passive)) operating in the adjacent 10.6 -10.7 GHz band if the extension is made in the upper 9 900-10 500 MHz band. Similarly, there is potential interference to stations operating in the space research service in the band 8 400-8 500 MHz if the EESS allocation is extended to the lower 8 700-9 300 MHz band. In accordance with Resolution **651 (WRC-12)**, the ITU should conduct sharing studies to ensure the protection of existing in-band services and compatibility studies to address interference due to unwanted emissions into the passive services in the 10 600 -10 700 MHz band and the space research service in the 8 400-8 500 MHz band.

U.S. VIEW: If studies demonstrate that the existing in-band services and the adjacent band passive services in the 10.6 -10.7 GHz band are protected, the United States supports extending the EESS allocation by up to 600 MHz utilizing the 9 900 MHz – 10.5 GHz band. Only if studies prove that existing services cannot be protected and/or sufficient spectrum cannot be made available in the 9 900 MHz – 10.5 GHz band does the United States support consideration of the 8 700-9 300 MHz band.