UNITED STATES OF AMERICA

DRAFT PRELIMINARY VIEWS ON WRC-11

AGENDA ITEM 1.17: to consider the results of sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3, in accordance with Resolution 749 (WRC-07), to ensure the adequate protection of services to which the frequency band is allocated, and to take regulatory actions as appropriate

ISSUE: The main issue is introduction of high density mobile systems, International Mobile Telecommunications (IMT), in Regions 1 and 3, taking into account the transition to digital TV in these regions and existing fixed allocations. Any regulatory solution in Region 1 and 3 should not include changes to Region 2 allocations. In addition, any sharing methodologies and system characteristics the ITU-R develops to satisfy this agenda item have the potential for establishing a precedent in IMT sharing studies.

BACKGROUND: The transition to digital television is underway in many countries worldwide. The eventual global transition to digital television will make valuable spectrum available for introduction of the next generation wireless services. It is important to ensure that possible regulatory solutions developed under WRC-11 agenda item 1.17 do not affect services allocated in Region 2. Such regulatory solutions should also support worldwide introduction of new telecommunications services in the band 790-862 MHz.

WRC-07 adopted new or modified existing footnotes (Nos. 5.314, 5.316, 5.316A, 5.316B, and 5.317A) that pertain to the band 790-862 MHz. In Region 1, WRC-07 allocated the 790-862 MHz band to the mobile service on a primary basis and identified it for IMT effective in 2015. In addition, more than 70 countries in Region 1 identified the band for IMT effective immediately. In Region 3, a number of countries identified the band for IMT. WRC-07 also allocated the band 698-806 MHz to the mobile service on a primary basis in Region 2 and identified it for IMT.

No. 5.317A states:

5.317A Those parts of the band 698-960 MHz in Region 2 and the band 790-960 MHz in Regions 1 and 3 which are allocated to the mobile service on a primary basis are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT) See Resolution 224 (Rev.WRC-07) and Resolution 749 (WRC-07). This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. (WRC-07)

The GE06 Agreement that contains a plan for digital TV covering frequencies including the 790-862 MHz band in Region 1 and one country in Region 3. The GE06 Agreement also contains provisions for the coexistence between the terrestrial broadcasting service and other terrestrial services, as well as the list of other primary terrestrial services.
JTG 5-6 will conduct sharing studies on the protection of the services to which the band 790-862 MHz is currently allocated. The studies will include adjacent channel interference. JTG 5-6 will liaise the results of the studies to the relevant ITU-R Working Parties with the view that these Working Parties can develop ITU-R Recommendations and/or Reports, as appropriate, noting that JTG 5-6 will not develop ITU-R Recommendations.

**U.S. VIEW:** The scope of agenda item 1.17 studies is limited to terrestrial services only in Regions 1 and 3 and in the band 790-862 MHz. There is no basis for any changes to the Radio Regulations pertaining to terrestrial services in the band 790-862 MHz in Region 2. Consequently, the United States supports NOC to the Radio Regulations for Region 2 services in the band 790-862 MHz. Any changes to the Radio Regulations for Regions 1 and 3 should take into account the need for worldwide introduction of new telecommunications services in the band 790-862 MHz. *(Ref. RCS-2183/2)*