

United States of America

DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE

Agenda item 1.17: *to consider 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 this frequency band is allocated, and take appropriate action;*

Background:

The transition to digital television is underway in many countries worldwide. The eventual global transition to digital television will make spectrum available for introduction of the new services, including next generation wireless services. The WRC-11 decisions under the Agenda Item 1.17 are therefore, important to operators, manufacturers and, most importantly, consumers worldwide.

At WRC-07, there were difficult discussions surrounding the future use of the 790-862 MHz band in Region 1 and in the end FN **5.316B** was agreed allocating 790-862 MHz to the Mobile service, except aeronautical, on a primary basis starting from 17 June 2015, the DTV transition date in the GE06 Agreement. The footnote also states that the use of stations of the mobile service is subject to the successful application of the procedures of the GE06 Agreement for those countries party to it. FN **5.316** was updated and FN **5.316A** was developed, allocating 790-862 MHz to the Mobile service in 65 Region 1 countries effective immediately and in force until 16 June 2015. FN **5.317A** identifies for IMT those parts of the band 790-960 MHz in Region 1 which are allocated to the Mobile service on a primary basis.

Due to the extensive debates in Region 1 concerning this band, Resolution **749 (WRC-07): Studies on the use of the band 790-862 MHz by mobile applications and by other services**, was developed.

The GE06 Agreement contains a plan for digital TV covering frequencies including the 790-862 MHz band in Region 1 (parts of Region 1 situated to the west of meridian 170° east and north of parallel 40° south, except the territory of Mongolia) and one country in Region 3. The GE06 Agreement also contains regulatory provisions concerning sharing between the terrestrial broadcasting service and other terrestrial services, as well as the list of other primary terrestrial services. The GE06 Agreement appears to provide sufficient regulatory framework to address sharing issue between the mobile service and other services in the band 790-862 MHz between countries that are signatories to this agreement.

With regard to Region 3, it is important to recognize that allocation to the mobile service in the band 790-862 MHz has been in effect since WARC-71. If there have been no reported instances of interference, then this should be taken into account when considering any regulatory changes.

With regard to Region 2, WRC-07 allocated the band 698-806 MHz to the mobile service on a co-primary basis and identified it for use by IMT systems. Some Region 2 administrations have successfully completed the realignment of allocations in this spectrum while others are progressing towards that goal. In addition, WRC-07 determined that there is no need to conduct a further review of the regulatory provisions concerning the use of the band 790-862 MHz in Region 2. That decision is explicitly affirmed in the Agenda Item 1.17 and the associated Resolution **749** (WRC-07).

Proposal:

ARTICLE 5
Frequency allocations
Section IV – Table of Frequency Allocations
(See No. **2.1**)

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USA/1.17/1

NOC

460-890 MHz

Allocation to services		
Region 1	Region 2	Region 3
460-470	FIXED MOBILE 5.286AA Meteorological-satellite (space-to-Earth) 5.287 5.288 5.289 5.290	
470-790 BROADCASTING 5.149 5.291A 5.294 5.296 5.300 5.302 5.304 5.306 5.311A 5.312	470-512 BROADCASTING Fixed Mobile 5.292 5.293	470-585 FIXED MOBILE BROADCASTING 5.291 5.298
	512-608 BROADCASTING 5.297	585-610 FIXED MOBILE BROADCASTING RADIONAVIGATION 5.149 5.305 5.306 5.307
	608-614 RADIO ASTRONOMY Mobile-satellite except aeronautical mobile-satellite (Earth-to-space)	610-890 FIXED MOBILE 5.313A 5.317A BROADCASTING 5.149 5.305 5.306 5.307 5.311A 5.320
	614-698 BROADCASTING Fixed Mobile 5.293 5.309 5.311A	
	698-806 BROADCASTING Fixed MOBILE 5.313B 5.317A	
	5.293 5.309 5.311A	
790-862 FIXED BROADCASTING MOBILE except aeronautical mobile 5.316B 5.317A 5.312 5.314 5.315 5.316 5.316A 5.319	806-890 FIXED MOBILE 5.317A BROADCASTING	
862-890 FIXED MOBILE except aeronautical mobile 5.317A BROADCASTING 5.322 5.319 5.323	5.317 5.318	

Reasons: WRC-12 Agenda Item 1.17 is limited to terrestrial services only in Regions 1 and 3 and only in the band 790-862 MHz. There are no bases for any changes in the Radio Regulations that would impact the terrestrial services in the band 790-862 MHz in Region 2. Therefore, the United States proposes NOC with respect to any change to Article 5 that could impact Region 2

services in the band 790-862 MHz. The worldwide introduction of new telecommunications services in the mobile and fixed service allocations in this band requires stable allocations that are harmonized to the greatest degree possible.
