

PLENARY MEETING

**Addendum 4 to
Document 6140(Add.16)-
E
28 August 2019
Original: English**

Member States of the Inter-American Telecommunication Commission (CITEL)

PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda item 1.16

1.16 to consider issues related to wireless access systems, including radio local area networks (WAS/RLAN), in the frequency bands between 5 150 MHz and 5 925 MHz, and take the appropriate regulatory actions, including additional spectrum allocations to the mobile service, in accordance with Resolution **239 (WRC-15)**;

Part 4 – Frequency band 5 725-5 850 MHz

BACKGROUND

Since WRC-03, the demand for mobile broadband applications especially for WAS/RLANs has been growing rapidly. Resolution **239 (WRC-15)** states “that the results of ITU-R studies indicate that the minimum spectrum need for WAS/RLAN in the 5 GHz frequency range in the year 2018 is estimated at 880 MHz; this figure includes 455-580 MHz already utilized by non-IMT mobile broadband applications operating within the 5 GHz range resulting in 300-425 MHz additional spectrum being required.” In particular, Resolution **239 (WRC-15)** looks at studying possible RLAN operations in the frequency bands from 5 150-5 925 MHz.

Resolution **239 (WRC-15)** calls for the ITU-R to study WAS/RLAN technical characteristics and operational requirements in the 5 GHz frequency range. The resolution also calls for the ITU-R to conduct studies with a view to identify potential WAS/RLAN mitigation techniques to facilitate sharing with incumbent systems in the frequency bands 5 150-5 350 MHz, 5 350-5 470 MHz, 5 725-5 850 MHz and 5 850-5 925 MHz, while ensuring the protection of incumbent services including their current and planned use.

Recognizing results of the ITU-R studies and existing uses, this proposal is for NOC for the 5 725-5 850 MHz. Countries wishing to implement WAS/RLANs in the frequency should take into account RR No. **5.453**.

ARTICLE 5

Frequency allocations

Section IV – Table of Frequency Allocations (See No. 2.1)

NOC IAP/6140A16A4/1

5 570-6 700 MHz

Allocation to services		
Region 1	Region 2	Region 3
5 725-5 830 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur 5.150 5.451 5.453 5.455	5 725-5 830 RADIOLOCATION Amateur 5.150 5.453 5.455	
5 830-5 850 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) 5.150 5.451 5.453 5.455	5 830-5 850 RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) 5.150 5.453 5.455	

Reasons: WAS/RLAN already operate in various countries throughout the world within the frequency band 5 725-5 850 MHz. In Region 2, the band 5 725-5 825 MHz is also used by WAS/RLAN.