

**PCC.III/REC. 39 (X-98)<sup>1</sup>**

**IDENTIFICATION OF SPECTRUM IN THE BANDS OF 440-450 AND 485-495  
MHZ FOR FIXED WIRELESS ACCESS (FWA)<sup>2</sup> IN THE AMERICAS**

The Tenth Meeting of the Permanent Consultative Committee III: Radiocommunications,

**CONSIDERING THAT:**

- a) there is an urgency in the Americas towards fulfilling fundamental POTS Universal Services Objectives (USO<sup>3</sup>), and the urgent need for socio-economic progress, especially in developing countries;
- b) many communities are particularly under-served as compared to urban centers across the Americas;
- c) wireless technologies represent an opportunity for a major improvement in communications given cost figures relatively independent of distance and subscriber density;
- d) Fixed Wireless Access (FWA) is an important application with significant advantages in many cases over wireline access such as: quick deployment and service independent of the geographical conditions which means a cost-effective alternative to the wireline access;
- e) to facilitate the deployment of FWA systems, it is desirable that suitable radio frequency bands be identified for this application, in line with the CITEL Recommendation CCP-III/REC.26/96 (VI-96) "Identification of Spectrum for Fixed Wireless Access Systems in the Americas";
- f) various technologies for FWA are being introduced in certain countries in the Region in the frequency range of the 450 MHz bands, specifically 440-450 paired with 485-495 MHz;
- g) in Mexico the 440-450 and 485-495 MHz bands have been officially considered for fixed or mobile wireless access and these bands were included in the radio electric spectrum auction program published in the Official Gazette on January 28, 1997;
- h) the 440-450 MHz band is not available for FWA use in the USA, as the band is used by high-powered radars in that country;
- i) Resolution 217 (WRC'97) on implementation of wind profiler radars urges administrations to implement wind profiler radars in a number of bands, which include the 440-450 MHz band;
- j) in Peru, the 440-450 and 485-495 MHz bands have been allocated for FWA use;
- k) in some countries in the region these bands are not available for FWA use because of other uses of these bands;

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<sup>1</sup> Distributed as PCC.III/doc. 1044/98.

<sup>2</sup> FWA=Fixed Wireless Access

<sup>3</sup> USO=Universal Services Objectives

**RECOMMENDS THAT:**

1. in the Americas, where available for the fixed service, the radio frequencies in these bands be identified for implementation of FWA systems according to a frequency block plan of 440-450 MHz for base station receive and 485-495 MHz for base station transmit;
2. in those cases where mobile (trunking) and broadcasting systems using parts of these bands already exist, and due to the urgency of Universal Services Objectives for socio-economic progress, genuine efforts be permitted for limited utilization of these bands for FWA systems in areas where mobile and/or broadcasting systems utilization is essentially marginal or non-existent;
3. where mobile and broadcasting systems are in use in the 485-495 MHz band, the implementation of FWA must be coordinated;
4. in those countries where the bands are available for fixed services, the bands should include FWA applications to promote Universal Services Objectives;
5. administrations consider implementation of FWA in the 440-450 MHz band with the understanding that in some countries there may be cases where FWA services may need to take technical and operational measures to coexist with radar usage in this band.