

**ISSUES CONCERNING IMPLEMENTATION OF DIGITAL MF BROADCASTING IN  
REGION 2**

The VI Meeting of the Permanent Consultative Committee II: Radiocommunication including Broadcasting,

**CONSIDERING:**

- a) That several Administrations in Region 2 have begun testing or implementing digital sound broadcasting systems for Amplitude Modulation (AM) and Frequency Modulation (FM) broadcasting;
- b) That in Region 2, the use of the Medium Frequency (MF) bands for the broadcasting service is governed by the Regional Agreement for use of the band 535 to 1605 kHz Rio de Janeiro, 1981 ("RJ81") and the Regional Agreement for use of the band 1605 to 1705 kHz Rio de Janeiro, 1988 ("RJ88");
- c) That the regulatory provisions of the "RJ81" Agreement do not permit the introduction of digital modulation in the band governed by this because existing digital systems for this band cannot conform to the requirements: (i) that the classes of emission be receivable by receivers employing envelope detectors, and (ii) that the systems have an occupied bandwidth of no more than 20 kHz;
- d) That careful planning and technical studies are required to ensure there is no harmful interference from digital emissions into existing or planned AM radio broadcast systems,

**RECOGNIZING:**

- a) That the MF band is extensively used by Administrations for the provision of broadcasting services;
- b) That Administrations have an interest in protecting existing analog services along with the introduction of digital modulation,

**RESOLVES:**

1. To establish a PCC.II subworking group of the Working Group on Broadcasting which, in coordination with the Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences, prepare and develop a work plan for the eventual transition of MF radio broadcasting to an all-digital format.
2. To invite Administrations to participate in the technical studies of the International Telecommunication Union (ITU) to develop the necessary technical planning criteria for the introduction of digitally modulated emissions in Region 2.
3. To request the ITU to convene a Regional Radiocommunication Conference of Region 2 countries to update the necessary administrative and technical parts of the "RJ81" Agreement to allow the introduction in the Plan of digitally modulated emissions.

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<sup>1</sup> PCC.II-RADIO/doc. 891/05 rev.2 cor.1

4. To develop a draft Agreement to be presented to such Regional Conference for its adoption and eventual replacement of the existing Agreement that, including its associated Annexes governing MF broadcasting in Region 2.