

**COMPLIANCE WITH THE PROVISIONS OF THE REGIONAL AGREEMENT ON MEDIUM  
FREQUENCY BROADCASTING SERVICES IN REGION 2**

The III Meeting of the Permanent Consultative Committee II: Telecommunications including Broadcasting,

**CONSIDERING:**

- a) The advances in the development of the Digital Audio Broadcasting (DAB) system that operates in the band and in the same channel (*In-Band On-Channel*: IBOC) and the current state of its terrestrial introduction in the United States, in which, to date, out of the 75 stations that have already converted from an analog to a digital system, approximately 25% function in the AM band and the rest in FM;
- b) That undesired IBOC signals, in particular nighttime sky-wave, have a possibility of interfering with AM analog signals; and
- c) That domestic regulations and international agreements do not necessarily contain the same protection criteria, resulting in the possibility of interference being caused to AM stations operating in accordance with international agreements,

**RECOGNIZING:**

That AM stations employing hybrid digital broadcasting (AM-IBOC) services may use bandwidths and classes of emission that do not conform to the provisions of the Regional Agreement for Medium Frequency Broadcasting services in Region 2 (Río 1981) and relevant bilateral agreements signed between administrations,

**FURTHER RECOGNIZING:**

That such hybrid digital transmissions may cause additional interference (including different modes of interference) to AM stations operating in accordance with the Region 2 Agreement (Río 1981),

**RESOLVES:**

- 1. That PCC.II carry out on an urgent basis the necessary technical studies to characterize and quantify the interference from AM stations employing hybrid digital transmissions into AM stations operating in accordance with the Region 2 Agreement (Río 1981).
- 2. That Administrations planning to implement hybrid digital transmissions shall provide, upon request, technical assistance to CITEL administrations in order to facilitate the evaluation of interference; and
- 3. That Administrations implementing hybrid digital transmissions on an interim basis shall only do so on a Non-Interfering-Basis (NIB) and such administrations shall immediately cease such hybrid

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<sup>1</sup> Document CCP.II-RADIO /doc.462/04 rev.1cor.1

transmissions if cases of interference into AM stations operating in accordance with the Region 2 Agreement (Río 1981) are reported.