

**MINIMUM PROCEDURES REQUIRED FOR TECHNICAL MONITORING OF THE SPECTRUM**

The XXI Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**CONSIDERING:**

- a) That the increasing demand of the radio frequency spectrum, has made it necessary to generate new transmission technologies to achieve greater spectral efficiency, therefore, the technical spectrum monitoring task is more complex;
- b) That the administrations' establishing bilateral or multilateral agreements on unified methods to technically monitor the spectrum, will be of great help to fight interferences in the border areas as well as promote efficient use of the spectrum;
- c) That to perform the vigilance and control of the spectrum function more efficiently, the administrations, through their competent entities must define and standardize technical parameters and procedures to carry out measurements as it may correspond to the radiocommunication service or band under study;
- d) That it is necessary to set up an appropriate information exchange mechanism that allows for an efficient application of the process for technical monitoring of the spectrum among the administrations;
- e) That the methods used to technically monitor the spectrum vary according to the services, frequency bands, measurement systems used and performed procedures, which means it is necessary to establish the minimum configuration and operation specifications and requirements used to technically monitor the spectrum;
- f) That the Handbook on Spectrum Monitoring as well as the Recommendations made by the International Telecommunication Union (ITU) define some of the measurement procedures, for which it is possible to widen the methodology to be applied, aimed to standardizing the procedures at a regional level;
- g) That in the cases where there is harmful interference in the border areas it is convenient to have methods to technically monitor the spectrum that have been standardized at the international level and homologated by the administrations, in order to find a solution to the said interferences,

**RESOLVES:**

- 1. To instruct the Sub- Working Group on Spectrum Management to work on developing a new Recommendation that will work as a reference for the sector, specifying the entire hypothesis currently in the ITU – R Handbook on Spectrum Monitoring (2011 Edition), and that includes, at least, the following:
  - a. Measurement procedures matched to the operation's features as per the radiocommunication services and frequency bands;

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<sup>1</sup> CCP.II-RADIO/doc.3248/13

- b. minimum configuration specifications of the basic measurement systems;
  - c. the minimum information to be collected during the technical monitoring of the spectrum to facilitate exchanging it among the administrations;
  - d. a method to technically monitor the spectrum that allows for solving harmful interference situations, based on standardized basic system configuration and technical requirements;
2. To use the contents of the Appendix to document CCP.II-RADIO/doc. 3248/13 as a starting point to develop said Recommendation.
3. That the Sub-Working Group on Spectrum Management submit for approval, the said Draft Recommendation during the XXII Meeting of the PCC.II, for which the subgroup shall use on line technologies in order to perform the necessary work.