

PCC.II/REC. 16 (VII-06)¹

USE OF THE 4940-4990 MHz BAND IN THE AMERICAS FOR PUBLIC PROTECTION AND DISASTER RELIEF

The VII Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting,

CONSIDERING:

- a) That the growing telecommunication and radiocommunications needs of public protection agencies and organizations, including those dealing with emergency situations and disaster relief, are vital to the maintenance of law and order, protection of life and property, disaster relief and emergency response;
- b) That many administrations wish to promote interoperability and interworking between systems used for public protection and disaster relief (PPDR), both nationally and for cross-border operations in emergency situations and for disaster relief;
- c) That there is a need in many countries for the cost-effective implementation of PPDR systems;
- d) That PPDR applications may be narrowband, wideband or broadband, or a mixture of these;
- e) That there is a need for a variety of broadband networks, such as adhoc networks for incident scene management, temporary fixed links, point-to-point and point-to-multipoint links including support of mobile operations; and applications such as large file transfers including maps, building layouts, medical data, image files and video,

RECOGNIZING:

- a) That Resolution 646 (WRC-03) identified several frequency bands for PPDR systems in Region 2, including the 4940-4990 MHz band;
- b) That spectrum planning is done at the national level, taking into account the need for interoperability, sharing with incumbent services and the benefits to neighboring administrations of using harmonized or common frequency bands;²
- c) That there are benefits of spectrum harmonization, including economies of scale, expanded equipment availability, and improved cross-border coordination;
- d) The benefits of cooperation between countries for the provision of effective and appropriate humanitarian assistance during disasters;
- e) That countries, particularly developing countries, have an urgent need for low-cost communication equipment for public protection;

¹ Document CCP.II-RADIO/doc. 1086/06 rev.1

² There are relevant ITU-R Recommendations that should be considered.

f) That administrations have the flexibility to determine, at the national level, how much spectrum to make available for public safety from the band identified in this Recommendation in order to meet their particular national requirements,

NOTING:

That the identification of this frequency band or parts thereof for public safety does not preclude the use of this band by any application within the services to which this band is allocated and does not preclude the use of, nor establish priority over, any other frequencies for public safety in accordance with the Radio Regulations,

RECOMMENDS:

1. That for the purposes of achieving regionally harmonized frequency bands/ranges, CITEL administrations consider designating the band 4940-4990 MHz for PPDR applications, particularly to support PPDR broadband communication requirements.

2. That CITEL Member countries utilize relevant ITU-R Recommendations in planning spectrum use as described in *recommends* 1 for PPDR applications.

3. That CITEL Member countries consider, as an example, the sub-band designation and channeling indicated in Attachment 1 when allocating spectrum for use by users who are directly involved with public safety, security of State, and those services requiring close coordination with the public safety services.

ANNEX 1 TO RECOMMENDATION PCC.II/REC. 16 (VII-06)

**CHANNELING PLAN FOR THE BAND 4 940 TO 4 990 MHz FOR
BROADBAND PUBLIC SAFETY OPERATIONS**

This frequency channeling plan consists of ten 1 MHz channels and eight 5 MHz channels as per Figure 1 and Table 1. Channels may be aggregated for higher capacity or higher bandwidth applications to allow maximum flexibility and implementation of future broadband technologies. Some countries may also choose to partition the 5 MHz channels.

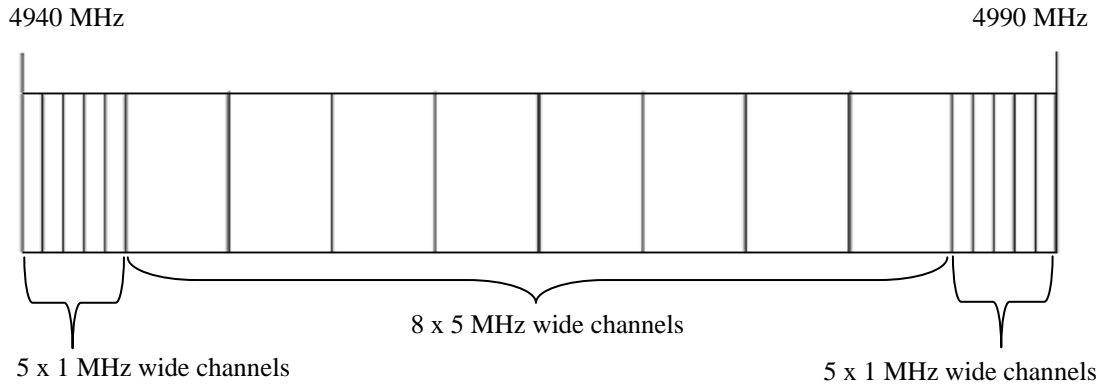


Figure 1

Table 1: Channeling Plan for the Band 4 940 - 4 990 MHz for Public Safety

Channel	Lower Frequency (MHz)	Upper Frequency (MHz)
1	4940	4941
2	4941	4942
3	4942	4943
4	4943	4944
5	4944	4945
6	4945	4950
7	4950	4955
8	4955	4960
9	4960	4965
10	4965	4970
11	4970	4975
12	4975	4980
13	4980	4985
14	4985	4986
15	4986	4987
16	4987	4988
17	4988	4989
18	4989	4990