

PCC.I/RES. 117 (XI-07) ¹

CREATION OF A TECHNICAL NOTEBOOK ON POWER LINE COMMUNICATION (PLC) TECHNOLOGY

The XI Meeting of the Permanent Consultative Committee I: Telecommunications,

RECOGNIZING:

- a) That the Power Line Communication (PLC) technology is producing important changes in the way digital services are provided, stimulating the progress of communications by offering new tools that bring us more and more close to other communities of the world;
- b) That the PLC technology is now implicated in progress of communications, critical for the development of people and communities;
- c) That advanced services and new technologies are an essential tool in the social and financial development of the Region;
- d) That advanced services and new technologies are constantly evolving and it is therefore necessary to maintain study case models to serve the countries of the Region,

CONSIDERING:

That the PCC.I is capable of performing an important contribution, providing models adopted by the countries for their technologies, supplying updated information and easing the exchange and localized debate,

RESOLVES:

- 1. To create and maintain a Technical Notebook on Power Line Communication (PLC) Technology in order to provide updated information that will ease both the consultation of the countries of the Region and the debate. The Table of Contents of this Technical Notebook is described in the Annex to this Resolution.
- 2. To designate Mrs. Josefina Cano, of the Administration of Canada, as Coordinator of the Technical Notebook on PLC Technology Case Studies, who will have as terms of reference the coordination of the contributions presented and everything regarding technologies, schematic models and design.
- 3. To request Administrations to provide information to this Technical Notebook.

INVITES:

Members of the PCC.I to participate and contribute in the development of this Technical Notebook.

¹ CCP.I-TEL/doc. 1169/07 rev.2

ANNEX TO RESOLUTION PCC.I/RES.117 (XI-07)

TECHNICAL NOTEBOOK

POWER LINE COMMUNICATION (PLC) TECHNOLOGY

Table of Contents (to include among others)

1. Introduction
2. Case studies of PLC technology implementation
 - 2.1 Background
 - 2.2 Current market
 - 2.3 Objective
 - 2.4 Technologies to implement
 - 2.5 Design architecture
 - 2.6 Standards used
 - 2.7 Network statistics
 - 2.8 Quality of service
 - 2.9 Advantages and disadvantages
 - 2.10 Traffic analysis
 - 2.11 Services to provide
3. Technology projection
4. Experiences in the countries of the Americas region
5. Conclusions and recommendations.