

TECHNICAL NOTEBOOK OF ELECTRONIC NUMBERING (ENUM)

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

CONSIDERING:

- a) That Electronic Numbering (ENUM) is part of the convergence of circuit switched and packet networks;
- b) That ENUM is defined by the Internet Engineering Task Force (IETF) and translates an E.164 number into Internet Domain Names (RFC 2916- September 2000);
- c) That ENUM allows the use of a traditional telephone number in the context of different communication media, e.g., e-mail, VoIP, and therefore could facilitate the penetration of new applications into the mass market easily;
- d) That ENUM allows to address an IP-based voice terminal from the PSTN and through the ENUM function, E.164 numbers can be used to provide calling users with a variety of addresses, including those used for phone, fax and e-mail, by which the called user can be contacted;
- e) The rapid evolution towards establishment of the standards and technologies for the Next Generation Network (NGN) which will be a fully converged IP-based global telecommunications platform providing seamless voice, data, image and video communication services over wireless, wireline, satellite, cable and optical fiber transport facilities,

TAKING INTO ACCOUNT:

- a) That the mandate of the Rapporteur Group of Numbering and Address is to identify and evaluate technical issues related to Numbering Plans for the network evolution and new services, and to meet the demand of numbering resources to support convergent networks, as well as creation of specific recommendations and Technical Notebooks;
- b) That the mandate of the Rapporteur Group of Numbering and Address includes the study and evaluate technical issues related to ENUM,

RESOLVES:

1. To create a Technical Notebook of Electronic Numbering (ENUM) to provide a source of information about technical and regulatory issues that will be available to CITEL PCC.I members for reference.
2. To designate the Rapporteur Group Numbering and Address of the Working Group on Network Operation and Service Provisioning;

¹ CCP.I-TEL/doc. 1152/07 rev.1

- a) To develop the scope of the Technical Notebook,
- b) To develop a Table of Contents to organize ENUM information within the Notebook, and
- c) To develop the Technical Notebook with relevant ENUM material by:
 - Consolidating relevant information already contributed to PCC.I, and
 - reviewing and recommending new additions to the Technical Notebook.