PCC.I/RES. 138 (XIII-08) [1]

CREATION OF A TECHNICAL NOTEBOOK ON NEXT GENERATION NETWORKS INFRASTRUCTURE

The XIII Meeting of the Permanent Consultative Committee 1: Telecommunications,

RECOGNIZING:

a)   That Next Generation Networks (NGN) are producing important changes in the spheres of research, education and development of communications, supplying new tools that bring us increasingly closer to other communities around the world;

b)   That Next Generation Networks nowadays make up a part of communications and contribute towards the growth of people, communities, and governments, in view of their great development;

c)   That Information Technologies and Next Generation Networks are tools for the social and economic development of the region, and

d)   That Technologies and Next Generation Networks are in constant evolution and therefore, it is necessary to maintain practical case models in order that these may serve as a source of consultation to countries of the region,

CONSIDERING:

That PCC.I is capable of making an important contribution by supplying updated information on NGN technology and design of network models adopted by countries, thus facilitating the exchange of information and focalized debate,

RESOLVES:

1.   To create and maintain a Technical Notebook on "Next Generation Network (NGN) Infrastructure" in order to provide information on the current situation and technological of NGN trends and thus enable consultation and debate among countries in the region. The draft Table of Contents of this Technical Notebook is described in the Annex to this Resolution.

2.   To appoint Mr. Davison Gonzaga da Silva (davison@anatel.gov.br), of the Administration of Brazil, as the Coordinator of this Technical Notebook, to coordinate the contents of that NOTEBOOK. The contents will be extracted from the contributions submitted by the Administrations and PCC.I Associate Members to the Network Infrastructure Rapporteur Group meetings.

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[1]   CCP.I-TEL/doc. 1507/08 rev.1 cor.1

INVITES:

1.   PCC.I members to participate and contribute to the Technical Notebook on "Next Generation Network (NGN) Infrastructure".

2.   The remaining PCC.I Working Groups to contribute towards the development of this document.

ANNEX TO RESOLUTION PCC.I/RES.138 (XIII-08)

TECHNICAL NOTEBOOK
NEXT GENERATION NETWORKS INFRASTRUCTURE

Draft Contents (among others)

1.   INTRODUCTION

2.   EVOLUTION OF NETWORK ARCHITECTURE
INTRODUCTION
            NGN PERIODS
            TYPES OF TELECOMMUNICATIONS NETWORKS
            MARKET TRENDS
PHYSICAL ARCHITECTURE
            INTERNATIONAL TELECOMMUNICATION UNION (ITU)
            EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI)

SOFTSWITCH ARCHITECTURE
IP MULTIMEDIA SUBSYSTEM (IMS) ARCHITECTURE

PHYSICAL ARCHITECTURE
            NETWORK
            NODE
            LINK

3.   INTERCONNECTION AND INTEROPERABILITY

4.   OPERATIONS (OPERATION ADMINISTRATION AND MAINTENANCE (OAM))

REFERENCES
GLOSSARY