ENDORSEMENT OF THE WORK OF ITU-D QUESTION 6/1 "REGULATORY IMPLICATIONS FOR NEXT GENERATION NETWORKS, IN PARTICULAR INTERCONNECTION-RELATED ISSUES"

The VI Meeting of the Permanent Consultative Committee I: Telecommunication Standardization,

CONSIDERING:

a)   That the transition from Circuit Switched Networks to Packet Switched Network plays an important role in the implementation of converged voice/data/video and multi-service networks named Next Generation Network (NGN);

b)   That the ITU-D Study Group (SG-1) is studying issues related to these subjects in Question 6/1: "Regulatory Implications for Next Generation Networks, in particular interconnection-related issues ";

c)   That expected output from this questions is:
- General regulatory aspects related to NGNs.
- Specific interconnection aspects related to NGNs;

d)   That the mandate of the project group would be to produce best practice guidelines addressing the following key issues:
- Identify the technical facilities operators that are required to provide and offer interconnection to new competitors in NGNs;
- Describe the legislative and regulatory framework that would be needed to implement appropriate interconnection arrangements for NGNs;
- Coordinate and intensify liaison with the ITU-T study group(s) dealing with NGN issues;
- Address other regulatory issues such as:
  - SS7 signaling vs. IP addressing;
  - Switching and routing;
  - Service creation (network-centric vs. network- independent);
  - Clear demarcation vs. blurred boundary in circuit switched vs.IP network, user terminals and intelligence distribution;
  - Connection-oriented vs. non connection -oriented;
  - Numbering vs. names and addresses;
  - Migration to NGN networks;
  - Interoperability, mobility and roaming; and
- Identifying Technical issues requiring consideration for NGN   interconnection, the group shall address at least, but not necessary only, the following:
  - Interconnection architecture and location of interconnection points;
  - Technical interface functional requirements Signaling architecture;
  - Interconnection quality ;
  - Traffic measurement and routing procedures;

---

[1] CCP.I-TEL/doc. 641/05

- Numbering, charging, switching and routing for interconnection in a multiple-operator multiservice networking scenario with the increasing involvement of a single backbone network rather than single-service networks;
- Technical network upgrading or modification to facilitate interconnection;
- Interconnection usage charges ;
- Intercarrier billing;
- Management interface;
- Operation support between operators.

RECOGNIZING:

That CITEL Member States and Associate Members consider the development of adequate strategies and standardization for the Regulatory Implications for Next Generation Networks important, in particular Interconnection-Related Issues**,** in order to improve communications infrastructure, services and applications related to NGN,

RESOLVES:

1.   To draw attention to the work of ITU-D Question 6/1 especially as it pertains to the CITEL PCC.I Working Group on Advanced Network Technology and Services (WGATS) and the Working Group on Standards Coordination (WGSC).

2.   To stimulate contributions to the work in such a way as to assist the expected outcomes: "Regulatory Implications for Next Generation Networks, in particular interconnection-related issues.

3.   To provide comments and study the outcomes of ITU-D Question 6/1 documents when appropriate.

RECOMMENDS:

1.   That CITEL PCC.I invite Administrations to submit relevant contributions to ITU-D Question 6/1 "Regulatory Implications for Next Generation Networks, in particular interconnection-related issues ", in such way   that the Rapporteurs of the Working Groups on Standards Coordination (WGSC) and the Working Group on Advanced Network Technology and Services (WGATS) follow and consider the progress reports of this question to CITEL PCC.I as appropriate.

2.   That also whenever appropriate, the Working Group on Standards Coordination (WGSC) and the Working Group on Advanced Network Technology and Services (WGATS) of CITEL PCC.I be invited to provide comments and study the final outcomes of ITU-D Questions 6/1.