

IPV6 ADDRESS ALLOCATION POLICIES

The VII Meeting of Permanent Consultative Committee I: Telecommunication Standardization,

CONSIDERING:

- a) That there is a need to develop the Internet in most of the Member States, and
- b) That there is an urgent need for the Member States and the regional organizations to define plans for the development of national, regional, and global information infrastructures,

RECOGNIZING:

- a) The limitations of the IPv4 address scheme for supporting quality service;
- b) The scalability constraints of IPv4;
- c) The change in traffic profiles that will come about as local telephony services in the Member States are provided over VoIP, and
- d) The work carried out by IETF in devising standards, recommendations, and IP policies, such as “*Internet Registry IP Allocation Guidelines*” RFC2050, “*Classless Inter Domain Routing (CIDR)*” RFC1519, “*Address Allocation for Private Internets*” RFC1918, “*IP Version 6 Address Architecture*” RFC2373, “*An Architecture for IPv6 Unicast Address Allocation*” RFC1887, “*An IPv6 Aggregatable Global Address Format*” RFC2374, and others;

RESOLVES:

- 1. To instruct the Working Group on Standards Coordination to work on the preparation of a Coordinated Standards Document on IPv6 standards.
- 2. To instruct the Working Group on Advanced Network Technologies and Services to develop guidelines on address allocation policies for the Americas region.
- 3. To organize at the VIII meeting of PCC.I a half-day joint workshop by the Working Groups on Standards Coordination and on Advanced Network Services and Technologies to address this issue with the participation of CITEL Member States, associate member, and observers and to invite the IETF, the Internet Society, and other parties to share their experiences and different points of view.
- 4. To establish that the Administration of Venezuela coordinate the program of the workshop with support from the Working Groups on Standards Coordination and on Advanced Network Services and Technologies. The draft agenda is attached hereto as an annex.
- 5. To follow-up more closely the work of the bodies responsible for Internet, such as the IETF, ICANN, ARIN, LACNIC, etc.

¹ CCP.I-TEL/doc. 741/05 rev.2

ANNEX TO RESOLUTION PCC.I/RES. 83 (VII-05)

DRAFT AGENDA FOR THE WORKSHOP ON IPv6 ADDRESS ALLOCATION POLICIES

1. Progress made by standards organizations such as IETF, ITU, etc.
2. Implementations observed by equipment manufacturers. Experiences.
3. Impact of IPv6 on the provision of traditional telecommunication services and forecasting of new services.
4. Implementation of IPv6: migrations from IPv4 to IPv6 (schemes, economic impact); experiences inside and outside the Region.
5. Questions and answers.