

TRANSITION FROM IPv4 TO IPv6

The XVII Meeting of the Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

- a) That, as a way to mitigate the impact of the future IPv4 address space exhaustion, there is a need to work on the adoption of IPv6, which constitutes a development opportunity of the ICTs and that its adoption ensures growth continuity and Internet stability worldwide;
- b) That Member States have issued Recommendations and Resolutions concerning the necessary actions for the IPv6 deployment, within the Inter-American Telecommunication Commission (CITEL) and the International Telecommunication Union (ITU), for instance:
- Recommendation PCC.I/REC.2 (XII-08) “Implementation of IPv6”, in which the Member States of CITEL recommend to take actions jointly with the private sector for the appropriate deployment of IPv6 protocol in their respective countries.
 - Resolution CITEL RES.58 (V-10) Resolution “Transition to IPv6” (V Regular Meeting of the Assembly of CITEL held in March 2010) in which the Member States recognized the positive role that the Regional Internet Registries (RIRs) have played in the IP address fair administration, while deciding to work jointly with those organizations, local technical communities, education and research national networks and the Industry to promote the facilitation of deployment of IPv6.
 - Resolution 63 of the World Telecommunication Development Conference (WTDC-2010), the Member States of ITU have resolved to collaborate closely with relevant Internet entities (Internet Engineering Task Force (IETF), RIRs, Internet Society (ISOC), among others) to promote training and assistance concerning the transition to IPv6.
 - Inter-American Proposal “Facilitate transition from IPv4 to IPv6” of the XIX Meeting of the Conference Preparatory Working Group of CITEL (August 2010) that invites Member States to: intensify the exchange of experiences and information with all the actors on IPv6 adoption, create national initiatives that promote interaction among all the sectors for the IPv6 deployment; coordinate research, expansion and training actions with the support of RIRs and ITU regional offices; develop national policies to encourage system technological updating so that they are compatible with IPv6; ensure that new communication and computing equipments have IPv6 capability.
 - Resolution WGPL/8 of the ITU Plenipotentiary Conference of 2010 (PP-10 Guadalajara) “Facilitate transition from IPv4 to IPv6”, which compiles actions suggested by the Inter-American Proposal and resolves to collaborate with relevant international organizations, including the technical community (such as RIRs and IETF, among others) with the aim of encouraging IPv6 deployment, increasing awareness and creation of capabilities.

¹ CCP.I-TIC/doc. 2131/10

RESOLVES:

1. To elaborate a guideline and strategy manual of transition to IPv6, based on the best practices of the region of the Americas and other regions for the Member States of CITEL, in collaboration with the Regional Internet Registries (LACNIC and ARIN) as referents on this issue.
2. To elaborate a list of discussion frameworks about transition to IPv6, mappings and activities that countries, organizations and other actors are carrying out to promote IPv6 implementation and deployment.
3. To designate Ms. Ruth Puente from LACNIC as coordinator to carry out information exchange tasks with Member States of CITEL within the Rapporteurship on Internet Issues of the Working Group on Policy and Regulation and within the Rapporteurship on Network Infrastructure and Service Deployment of the Working Group on Deployment of Technologies and Services.
4. To use the data base approved in document CCP.I-TEL/doc. 1776/09 with the objective of gathering information relevant to the elaboration of a manual of best practices about transition to IPv6.
5. Present and evaluate the progress at the XVIII Meeting of PCC.I.