

**REGIONAL POLICIES FOR THE ADOPTION AND COEXISTENCE OF IPV4 AND IPV6 FOR
CITEL MEMBER STATES**

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

CONSIDERING:

- a) That it is necessary to design and enforce policies aimed at allowing stability and the correct functioning of the Internet network;
- b) That, under the eLAC Action Plan 2015, member countries are urged to cooperate and work in coordination with all regional stakeholders, including the academic and business sectors, the technical community and the organizations involved in this area, such as the Latin American and Caribbean Internet Addresses Registry (LACNIC) and the Internet Society (ISOC), among others, to enable the region to attain a broad deployment of Internet Protocol version 6 (IPv6); member countries are further encouraged to promptly implement national plans allowing access to government public service portals in the region's countries by means of IPv6 and to operate state networks with IPv6 natively, simultaneously with IPv4;
- c) That, in February 2011, the Latin American and Caribbean Internet Addresses Registry (LACNIC) informed that the central stock of IPv4 addresses managed by the Internet Assigned Numbers Authority (IANA) was definitely exhausted because the last available block of IPv4 addresses have been assigned to each of the five Regional Internet Registries (RIR) in the world and, from that date onward, only the LACNIC stock may be accessed,

RECOGNIZING:

- a) That it is necessary for CITEL Member States to act within the purview of their competencies in coordination with the public and private sector entities with respect to the coexistence of the IPv4 and IPv6 protocols, in addition to the future transition towards IPv6;
- b) That the implementation of IPv4-IPv6 transition programs will maintain the technological inclusion and cohesion of the several stakeholders (the Government, Academia, Providers, Users, etc.);
- c) That CITEL, through the PCC.I, recommended that administrations disseminate among network services, equipment, software and applications providers and educational, research, technological development and Internet-user institutions all information in connection with the need to prepare for the coexistence of IPv4 and IPv6 and the latter's final adoption;

RECOMMENDS:

1. That CITEL Member States promote the participatory and inclusive building of coexistence and transition guides of IPv4-IPv6 involving all stakeholders in the Internet ecosystem, through the establishment of task forces.

¹ CCP.I-TIC/doc. 2608/12 rev.2

2. That CITEL Member States diagnose the current status of IPv6 adoption in each country and, on that basis, devise guidelines and develop policies concerning the new IPv6 Internet Protocol.
3. That Public Sector Institutions and Agencies of Member States implement their electronic service platforms and websites with support for and compatibility with the IPv6 protocol concomitantly with the IPv4 protocol, in order to generate nationwide IPv6 traffic and enable these public resources to remain visible from the rest of the world; this measure shall further foster the development of the online Government of the new era.
4. That CITEL Member States develop referential frameworks for domestic purchases of IPv6, considering factors such as equipment, software, services-applications, human capital training and users.
5. That the relevant administrative or regulatory procedures be implemented in order to ensure the correct functioning of the IPv6 in the ccTLD of each CITEL Member State, without increasing the costs charged to users.
6. That, in order to set the example, the Telecommunications Regulatory and Administration Agencies implement IPv6 pilot projects on their service platforms and websites to encourage other public agencies and institutions to implement the new protocol.
7. That Member States consider the possibility of developing national strategies for IPv6, in order to ensure sufficient and appropriate allocation of IPv6 addresses to each State by the RIR
8. That Member States encourage IPv6 implementation in the private sector (the need to communicate with the government).
9. That the relevant administrative and regulatory procedures and actions be implemented so that Internet Service Providers (ISPs), and Carriers permit the coexistence of IPv4 and IPv6 in their networks, platforms and services.
10. That CITEL Member States adopt the necessary measures so that Internet Service Providers (ISPs) will carry forward their addressing plans and, on such basis, commence the IPv6 addressing resource request procedures (IP addresses).
11. That CITEL Member States conduct IPv6 awareness, dissemination, training and formation campaigns.
12. That Member States bolster and finance technological projects with IPv6 support.
13. That Member States promote the adoption of IPv6 in research and education networks.

INSTRUCTS THE CITEL EXECUTIVE SECRETARY:

1. To inform this Recommendation to the CITEL Member States so that most countries will adopt the suggested measures, which will allow fostering the implementation of joint policies focused on the adoption of IPv6.
2. To forward this Recommendation to the Permanent Executive Committee of CITEL (COM/CITEL) for information purposes.