

Regarding Formation of IPv6 Task force and IPv6 Policy Implementation thereof – Action to be taken by the Departments of Sachivalaya

**Government of Gujarat
Science & Technology Department,
Block no.7, 5th Floor, Sachivalaya,
Circular No. GOI/10/2009/518709/IT**

Date:

6 JUL 2011

Circular:

One of critical component needed by all the ICT (Information Communication Technology) devices today for establishing communication is an Internet Protocol address. Presently, Internet Protocol Version 4 (IPv4) is being used for all packet switched communication in India. Globally there is a sever storage of IPv4 addresses and it is predicated that the unallocated pull of addresses will be exhausted by 2011 due to rapid growth of ICT sector. This can have serious implication for growth of IP based services and sector and applications dependant on it. **Government of Gujarat has already recognized that transition from IPv4 to IPv6 is imminent, which is new version having enormous address space with many new features like end – to – end mobility, auto-configuration and enhanced security of communications. Government of India has released the “National IPv6 Deployment Roadmap” and has taken the following important decision in this policy document- (available on the TEC website <http://www.tec.gov.in>.)**

- i.** All major Service providers (having at least 10,000 internet customers or STM-1 bandwidth) will target to handle IPv6 traffic and offer IPv6 services by December-2011.
- ii.** All central and State government ministries and departments, including its PSUs, shall start using IPv6 services by March-2012.
- iii.** Formation of the India IPv6 Task Force
- iv.** Our country has a constraint for IPV4 addresses and they would get exhausted on a global level very soon. Hence there is an urgent need to shift to IPv6. India IPv6 Task Force has been formed having two committees and 10 working groups to oversee the progress of IPv6 implementation in the country. A panel of consultants would be formed to look into the requirements of different central and state Govt. departments for smooth implementation of IPv6.

2. The Government of Gujarat has decided and nominated The Director, e-Governance, Gujarat Informatics Limited, as a state nodal officer vide letter dated 25/11/2009 considering that transition from IPv4 to IPv6 is imminent, which is new version having enormous address space with many new features like end – to – end mobility, auto-configuration and enhanced security of communications.

3. **Government of India has released the guideline on “National IPv6 Deployment Roadmap”, In view of the said guideline, following actions by the Secretaries Departments, Government of Gujarat may kindly be taken urgently**

- I. All the Secretaries Department has to nominate one nodal officer within 15 days from their departments / subordinate organizations who will interact with the State Nodal Officer the Director (e-governance), GIL for smooth implementation of IPv6 in different units of the state.
- II. The name of the nominated Nodal officer of your department may be immediately communicated to this department as well as to the Director (e-Governance), GIL. The Government of India had informed that all central and State government ministries and departments, including its PSUs, shall start using IPv6 services by March-2012
- III. All the nominated nodal officer has to attend the meetings as and when called by this Department also undergo the training program is to be arranged for the IPv6 Deployment in our state.
- IV. All the nominated nodal officer of the Secretaries Department has to go through the document for “National IPv6 Deployment Roadmap” (copy enclosed specially ch-3, ch-5 and Annexure-A,B,C) which is also available on the TEC website <http://www.tec.gov.in> and actions be taken as per the policy as and when decided by the Government of Gujarat for facilitating the smooth transition to IPv6 so that the target of March-2012 can be achieved.



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Science & Technology Department

To,

1. All Secretaries Department, Government of Gujarat
2. The Principal Secretary to the Hon'ble Chief Minister, Government of Gujarat
3. The Principal Secretary to the Hon'ble Chief Secretary, Government of Gujarat
4. The Director (e-Governance), Gujarat Informatics Limited, Block no. 1, 8th floor, Udyog Bhavana, Gandhinagar.
5. PPS to ACS (DST)
6. Select file..... S& T Department.