

2-5/2011-NT
Government of India
Ministry of Communications & IT
Department of Telecommunications

Date: 18th April, 2014

Subject: Meeting of the 6th Oversight Committee held on 25.03.2014– Minutes thereof.

In Chair: Member (Technology), DoT.
Participants: A. Members of Oversight Committee & Invitees.
B. Officials of NT Cell, DoT

<u>Meeting Agenda</u>	<u>Proceedings</u>
✓ Review of 5 th Oversight Meeting dated 29 th August, 2013. – DDG (NT), DoT	Shri A K Purwar, Advisor (T) welcomed all the participants and in the opening address said that Government of India has envisaged providing ‘Broadband on Demand’ by the year 2015 in the National Telecom Policy (NTP)-2012. Since the current version of the Internet Protocol (IPv4) has almost run out of free addresses, IPv6 adoption is must for sustainable growth of Internet and seamless delivery of citizen centric services. Accordingly, the ‘National IPv6 Deployment Roadmap Version-I and II’ was released by DoT. Further, a Centre of Innovation (CoI) for IPv6 is planned under NTP-2012 to provide an environment of end to end IPv6 services under a single umbrella. In addition, Compendium on IPv6 based Case Studies shall be released for the benefit of eco-system by DoT shortly.
✓ National IPv6 Deployment Roadmap Ver-II: Status & discussion – DDG (NT), DoT	
✓ New initiatives: M2M & Vision Document - DDG (NT), DoT	
✓ IPv6 plan & progress: - Gujarat State.	2. Shri R M Agarwal, DDG (NT) outlined the IPv6 scenario in the country through a presentation. During presentation following were discussed:
✓ IPv6 transition status i/r/o of National e-Gov Project (NeGP)/ State Wide Area Network (SWAN) & others in States. –DeitY/ERNET	2.1. Action taken on salient points of the minutes (attached at Annex-I) of the 5 th Oversight Committee meeting held on 29 th August, 2013:
✓ IPv6 readiness of Government Websites - NIC	❖ Status of IPv6 readiness obtained from leading mobile handset vendors (<i>point no. 2.1</i>)
✓ Any other point with the permission of chair	❖ Akash Tablet being on Android OS is IPv6 compliant (<i>point no. 2.1</i>) .
✓ Way forward – Secretary (T), DoT	❖ Test fee for TEC IPv6 test bed for IPv6 Ready Logo Certificate has been decided (<i>point no. 3 & 4</i>).
	❖ A standard (Interface Requirements) for mobile handsets has been issued by TEC (<i>point no. 3 & 4</i>).
	❖ Matter has been taken up with Department of Administrative Reforms & Public Grievance (DARPG) for inclusion of “Outstanding initiative in IPv6 by Government Bodies, Central/State Departments and their PSUs” as a category for National Awards for e-Gov (<i>point no. 5</i>).
	❖ Internet Protocol Detail Record (IPDR) report released (<i>point no. 8</i>).

2.2. At present 13 Service Providers are ready to offer Enterprise IPv6 services and 8 are ready to offer Broadband services. It was clarified by BSNL that their network is partly ready and shall be fully ready within next 6 months. They agreed to send the detailed status in writing within a week.

2.3 'IPv6 Adoption Milestones' has been circulated to all Central Government Ministries/Departments and States/UTs to facilitate transition to IPv6 in a phased and time bound manner as per Roadmap v-II guidelines. To ensure that the ICT equipment being procured by Government Organisations are IPv6 ready, following was reiterated:

'The Government organisations should procure equipment which are also IPv6 Ready (Dual Stack) and go for deployment of IPv6 ready (Dual Stack) networks with end to end IPv6 supported applications. The equipment should be either TEC certified or IPv6 Ready Logo certified.'

2.4 Sr. DDG (TEC) informed that a number of enquiries for equipment testing in TEC Test Bed have been received. At present, two vendors have approached for "Examination" of test reports which is a part of IPv6 ready logo process for certification. Further, the facility of testing through RF interface (e.g. mobile handsets) is being planned for the test bed.

2.5 The progress of the financial sector as received from RBI is encouraging. Some of the banks have already transited their website to IPv6 (dual stack) and the rest are in progress. Further, Payment Gateways are also under process of IPv6 transition.

2.6. India Smart Grid Forum (ISGF) has requested DoT to participate and contribute in India Smart Grid Task Force. C-DOT plans to develop an interoperable communication module for Smart Meter in consultation with all stakeholders.

2.7. In future, the M2M communication will have a revolutionary impact on human life. . IPv6 will provide an enabling infrastructure for the same. Therefore, policy formulation regarding M2M is being done by DoT at present.

2.8 IPv6/M2M/cloud related vision document for individual Department/Ministry/Sector is being prepared, which shall aim at providing technical approach to each sector in handling challenges keeping in view their vision & mission.

3. Director (e-Gov.), Gujarat presented the IPv6 transition status and plan of the Gujarat State Government. She requested NIC to provide a detailed write-up containing step by step procedures for website transition. She said that the response of the empanelled consultants with regard to the RFP floated by Gujarat has not been satisfactory with only one consultant i.e. M/s ERNET turning up. She informed that Gujarat has incorporated a mandatory "IPv6 Compliance Clause" in all ICT related purchases. DDG (NT) added that it is advisable to define the clause as per Roadmap v-II guidelines (as in para 2.3 above). It was further mentioned that IPv6 compliance certificate from Telecom Engineering Centre (TEC) may be made a precondition for eligibility / supply of equipment in the tenders.

4. A presentation regarding status of End User Devices readiness was made by ICA. It was informed that as a result of initiatives by DoT, 70-80% of the mobile phone models in the industry are IPv6 even today. They requested to issue a clarification to exempt handset models launched before 30-06-2014 and not capable of carrying IPv6 to remain in operation beyond 30-06-2014 till they complete their respective PLCs. Member (T) assured to look into the issue.

5. It was clarified by Sr.DDG (TEC) that although the TEC test lab currently does not have facility of testing through RF interface, yet the mobile handsets can be tested for IPv6 readiness by extending the baseband data stream to the TEC bed by making suitable arrangement in the device offered for testing. The device manufacturer should come forward to offer the device for testing.

6. During discussion regarding problems being faced by mobile handset manufacturers while testing on service providers network. It was informed by Director C-DOT that if a service provider is not ready in wireless segment but ready in wireline segment, the mobile handset can still be tested for IPv6 readiness through Wi-Fi.

7. Sr. Director, DeitY, informed that ERNET India has been designated as nodal agency for IPv6 deployment in DeitY. He added that a few pilot projects in areas like smart building, healthcare etc are being planned. ERNET presented the initiatives being undertaken by them in the area of IPv6. It was informed that all websites hosted at ERNET are IPv6 enabled. It was clarified that ERNET Test Lab has facility for testing of applications whereas the TEC Test Lab is for testing of ICT equipment.

8. Sr. Director, NIC presented the status of IPv6 transition in NIC. It was informed that IPv6 compatibility has been mandatorily included in all its tenders whether for hardware or development of applications on IPv6. He informed that about 2000 Government websites will be transited to dual stack by July, 2014. He said that address distribution plan has been finalized by NIC. Each Ministry has been allotted /48 IPv6 address block and each Department /52 from its ministerial block. Similarly for SWAN & SDC in States/UTs, a /40 IPv6 address block has been allotted. He added that the NIC Data Center is planned to be dual stacked by 2014.

While concluding the meeting, Member (T) said that the eco-system is making a smooth transition to IPv6 and the progress is appreciable. The progress of states like Gujarat will act as a catalyst for other States to follow suit.

Meeting ended with vote of thanks by Director (NT I).

Sd/-
(S K Madhukar)
ADG (NT)

Copy to:

1. Sr. PPS to the Secretary (T), DoT, for information.
2. Sr. PPS to the Member (T), DoT, for information.
3. Sr. PPS to Member (F), DoT, for information.
4. Sr. PPS to AS (T)/Administrator (USOF), DoT, for information.
5. Sr. PPS to Advisor (T)/Advisor (F), DoT, for information.
6. Sr. DDG, TEC, DoT, for information.
7. All participants & members of Oversight Committee
8. All members of Steering Committee and Standing Committee.
9. Director(IT-2), DoT for uploading in the DoT website
10. Office Copy.