

2-4/2010-NT

Government of India
Ministry of Communications & IT
Department of Telecommunications
Networks and Technologies Cell

Dated: 11th July, 2011

Minutes of Meeting

Sub: 2nd Steering Committee Meeting of IPv6 Task Force.

2nd meeting of the Steering Committee under the India IPV6 task force was held on 7th July, 2011 in Sanchar Bhawan under the Chairmanship of Advisor (T), DoT. It was attended by the Steering Committee members and the Leads of working groups. Shri R.M.Agarwal, DDG (NT), DoT welcomed all the distinguished participants.

2. Sh N K Srivastava, Sr. DDG TEC said that the IPv6 standards have already been released in March 2011, which are based on IETF and IPv6 forums standards. TEC is setting up a test bed also and expected that it will come up by this year end for which all preparations are under process. On 8th June 2011, the world IPv6 day, a compendium on IPv6 has been released along with India IPv6 Task Force newsletter. The compendium has been prepared after considering the feedback from the various workshops conducted by TEC across the country. They are also in touch with NIC to make ready an online system for the payments for purchase of the GRs as well as Compendium etc., which will be ready very soon. TEC building has been chosen for converting into smart building.

3. Sh. J Gopal, Advisor (T) mentioned that the Government has set targets for the implementation of IPV6 in the country and it would require lot of discipline and dedication from all stakeholders to achieve these targets. In this regard considerable progress has been made by all during the last one year. BSNL is organizing the awareness workshops for the benefit of all stakeholders in the states across the country and till date 5 workshops have already been conducted. On world IPv6 day India IPv6 Task Force newsletter was released. NIC is also making ready the Government websites on dual stack and expects that by Middle of August, 2011 some of the websites will be made available on dual stack and remaining by December, 2011. All nodes of NIXI have been made IPv6 ready. Steps are also being taken for the formation of National Internet Registry (NIR). Most of the service providers will be ready by the given timelines i.e. December 2011 and now it is time for the government organizations to adhere to the timelines of March, 2012.

4. Sh. R M Agarwal said that recently standing committee meeting was held in which DoT DIT, NIC and other members participated. The committee was formed as per the direction of the Secretary (T) in Oversight committee meeting on 28th April, 2011. In its first meeting it has come out that good progress has been made by NIC with respect

to making Government sites IPv6 ready. As per NIC they are testing 2-3 websites first on separate machines and then after checking security threats etc these sites will be put on dual stack and subsequent to that the remaining Government websites will be made dual stack. DDG (NT) was concerned about the non presence of many lead organizations viz. Sify/DIT/Tech Mahindra etc in the important meetings. It was stressed that all should be present in future. During the discussions a power point presentation showing the progress of **WG-2** (Action Plan and IPv6 Network Implementation), **WG-9** (IPv6 Implementation in the Government Networks) and IPv6 policy implementation in toto was given by DDG (NT) and informed that as per Oversight committee meeting and other meetings actions are being taken. It was also suggested in the meeting that smart building projects can also be taken up by the service providers to showcase the same to all concerned. Sh. T R Dua from GISFI and Mr. Tiwathia from COAI suggested to have these types of smart buildings on PPP basis.

5. WG1: Training and Awareness:

For the Training & Awareness working Group led by BSNL, Sh. Neeraj Verma, GM (Trg.) BSNL Corporate office informed that as approved by DoT the workshops are being conducted in various states and till date 5 workshops have already been held and plan to conduct 2-3 workshops across country from August, 2011 onwards. DDG (NT) requested BSNL to try to complete all the workshops by December, 2011 by holding 3-4 workshops per month. Sh. Neeraj Verma further informed that in the month of August workshop at Kolkata and Chennai are planned on 4th and 12th August respectively. He further discussed the various training modules being planned and organized by BSNL for the benefits of all the stakeholders. On COAI request DDG (NT) said that in future workshops information will also be sent to all concerned including associations, leads and other organizations.

6. WG4: India6 – Networking Group

Mr. Naveen Dhar from Tata Communications presented the objective of building transition pipe and informed about importance of IPv6 in India and how different countries like US and China were creating next generation networks with IPV6 implementations. It was clarified by Sh. R.M. Agarwal (referring to the India IPV6 Deployment Roadmap) that the purpose of this group was to first find out and report the extent of network that currently existed in India. Post this they would be required to do a Gap Analysis and see where there is need for expansion. Mr. Naveen informed that information from TATA, Airtel has been received but the information from BSNL is still pending despite continuous persuasions by himself and DDG (NT), DoT. Advisor (T) expressed his displeasure about non submission of the information by BSNL and others as this is being asked for since oversight committee meeting and even earlier. DDG (NT) further requested Mr. Neeraj Verma GM (Trg.) to pass on this concern to respective responsible officer to submit the information urgently as BSNL is a major operator and has got all India presence. DDG (NT) also requested Mr. Naveen to collect information

from Vodafone, MTNL, Sify, TATA Tele and all others so that actual picture can be presented and gaps can be found out, if any.

During the discussion Mr. Rajesh C Jain ISPAI said that one of the operators raised during some meeting that domestic internet traffic is routed through international gateways and NIXI nodes are not even handling 5-10% of the domestic internet traffic of IPv4 and nodes are not interconnected. Peer-to-peer connectivity is not given in NIXI nodes and that's why operators are not getting connectivity through NIXI nodes. This is to be taken up at appropriate level in DoT.

7. WG2 & 4: Co Lead CISCO:

Mr. Arvind Patil and Mr. Anup Pandey gave the presentation on the progress of the co-lead for IPv6 implementation in India. Mr. Anup presented the technical questionnaire prepared by them to have at a glance details of the IPv6 preparedness by the service providers. It was a detailed technical questionnaire and liked by one and all and it was decided that the same should be uploaded on the DoT and TEC website for the information of all. Mr. Patil gave presentation on migration plan and recommended approach for migration. He presented the high level plan and said that a high level generic document can be prepared by CISCO and circulated to all for the migration approach.

During the discussion it was informed that as India IPv6 newsletter is being released by DoT regularly and next issue is due in August so all are to participate in it actively and articles etc. to be sent to DoT immediately. CISCO representative said that they will send good articles for the same shortly. DDG (NT) asked CISCO to hold workshop for all stakeholders including central, states/UTs nodal officers and others as it was recently held in BSNL, which was nicely organized by CISCO and international speakers were also there. Mr. Patil agreed that they will look into it and revert back soon with date.

8. During the discussions it was stated by DDG (NT) that for the security working groups still the nominations from all concerned is pending, however it was decided and agreed in the oversight meeting and other meetings to send nominations voluntarily to DDG (Security) on priority. Director (NT) has collected three nominations from namely GISFI, COAI and ISPAI which will be forwarded to DDG (Security) for further necessary addition into the committee. Sh. Vipin Tyagi, Director C-DOT said that nomination will be sent later on from his office. DDG (NT) requested all concerned to send nominations directly to DDG (Security) immediately. DDG (Security) may take up urgently with all concerned for getting nomination and have meetings regularly.

Actionable points emerged from the meeting are:

1. Non presence of many lead organizations viz. Sify/DIT/Tech Mahindra etc in the important meetings. All lead organizations to attend future meetings.
2. BSNL to hold 3-4 workshops per month to cover all States/ UTs by December 2011.
3. BSNL and other service providers except Airtel and TCL to share their IPv6 network information with TCL immediately to enable them to prepare a Report.
4. Articles for newsletter by CISCO and all other leads to be sent to NT Cell for August, 2011 issue of IPv6 Newsletter.
5. CISCO & others to hold international workshop for all stakeholders including Central, States/UTs nodal officers.

Finally, there was a vote of thanks by Sh. RM Agarwal thanking all the distinguished members who had participated in the meeting and for sparing their valuable time and making the discussions fruitful.



(N. Ram)

Director (NT), DoT
+91 9868811933
dirnt-dot@nic.in

Copy for Information to:

1. Secretary (T), DoT.
2. Member (T), DoT.
3. Advisor (T), DoT.
4. Advisor (F), DoT.
5. Sr. DDG, TEC
6. All members of Oversight Committee.

Copy for information and necessary action to:

1. All members of Steering Committee
2. All Lead organizations
3. All participants
4. Central and State Nodal Officers
5. All members of the working groups.

(This minutes as well as all other information are also available on www.dot.gov.in and www.tec.gov.in under IPv6 activity link).