

2-4/2010-NT

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

Dated: 11th November, 2011

Minutes of Meeting

Sub: 3rd Steering Committee Meeting of IPv6 Task Force.

3rd meeting of the Steering Committee under the India IPV6 task force was held on 2nd November, 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. J K Roy, 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. He further said that as this is very vast and complex issue and it needs lot of efforts to be done by all stakeholders.

3. Sh. R M Agarwal started the proceedings with review of the actionable points of the minutes of the previous steering committee:

Review of the Agenda Points:

i). **Non presence of many lead organizations viz. Sify/DIT/Tech Mahindra etc in the important meetings.** *All lead organizations to attend future meeting.*

Lead organizations of all working groups are again requested to attend important meetings, even in today's meeting there was no representations from DIT, SIFY & ISPAI. Case may be taken up with these organizations.

ii). **BSNL to hold 3-4 workshops per month to cover all States/ UTs by December, 2011-** *9 out of 26 awareness workshops could be conducted till date.*

Advisor (T) asked GM (Trg.) BSNL to complete the targeted workshops by March, 2012 in close coordination with its circle units & State Governments, as little time is left. It needs to be taken up in parallel by BSNL with all remaining States/UTs for finalization of the dates. Specific issue if any may be brought to the notice of 'NT' Cell DoT.

iii). **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—**

Mr. Naveen Dhar from TCL gave presentation in this regards and concluded that India6 network is ready in the country with the IPv6 networks of BSNL, Airtel, TATA, Reliance, Vodafone and other Service Providers networks. He further informed that *the Objective of*

Creating “Transition Pipe” has been met with the existing Network of Major SPs. He further presented the future plan of the working group as follows:

To Set up a Test Bed by using the v6 Connectivity between Service Providers and for the same following steps needs to be taken:

- a. Identify the interested SPs.
- b. Identify the existing V6 connectivity's between these SPs.
- c. Commission V6 connectivity between the SPs if not available.
- d. Prepare the Test Plan
- e. Perform the tests and share the results with SP community and various other organizations.

iv). Articles for newsletter by CISCO and all other leads to be sent to NT Cell for August, 2011 issue of IPv6 Newsletter—

DDG (NT) said that articles were received from some of the leads, but response was not so encouraging and further requested to contribute in the regular basis for the coming issues.

v). CISCO & others to hold international workshop for all stakeholders including Central, States/UTs nodal officers-

The response from CISCO and others is still awaited in this regards.

4. Progress of the various working groups was reviewed:

i). Standards & Specifications (WG-3):

Sr. DDG (TEC) informed that IPv6 standards has already been released by TEC in the month of March, 2011 and test bed installation is in progress and will be ready by January, 2012. It was also discussed that IPv6 Standards available with TEC may be procured by the all concerned if required. Advisor (T) said that associations may communicate to their members to procure IPv6 Standards form TEC.

ii). India6 Network (WG-4) :

TCL gave presentation about India6 network and further discussed the next steps for the test bed and testing of the india6 network as discussed above.

iii). Pilot Project Working Group (WG-6) :

No representative was present in the meeting, however, DDG (NT) informed that DIT is in progress to take up Pilot Projects in 7-8 States in various fields like telemedicine/tele-education etc as informed by DIT in 2nd Oversight Committee meeting.

iv). Application Support (WG- 7):

Mr. Avinash Joshi from Tech Mahindra said that they are planning to have meetings of the various stakeholders like Content Providers, Application Providers and other related groups to arrive at the stage that what is required to be done for the existing applications on IPv4 and development of new applications of IPv6. They are also planning to have a meeting with major

service providers to firm up a list of applications from business point of view and user's acceptability and will come out with a Status paper.

v). Experimental IPv6 Networks (WG-5) & Knowledge Resource Development (WG-8):

DDG (NT) informed that most of the time these groups are not coming for the meeting and till date no progress is reported by them as per the working group task assigned to them. Advisor (T) said that Mr. N K Goyal, President CMAI may coordinate with both the groups and let us know that why they are not coming for the review meetings. Mr. Goyal said that it will be ensured that they will be present for the next meetings.

vi). Action Plan & IPv6 Network implementation (WG-2) & IPv6 Implementation in the Government Network (WG-9):

Mr. N Ram director (NT) gave the presentation on the progress of both the working group and said that most of the major service providers have assured to be ready by the given timelines with some riders, like MTNL informed that they will require more time to be ready for mobile network and readiness of LIMS, end user devices, contents & applications and actual traffic will depend on the IPv6 enabled websites, contents & end users.

He further informed that Government organizations progress is not encouraging in spite of best efforts by DoT and they need more time to start using the IPv6 services.

DDG (NT) asked Mr. Ramesh Chandra from Airtel to give presentation about their IPv6 network readiness. Mr Chandra said that they are ready as far as network is concerned. He further said that they are in the process of finalizing the complete transition plan so that full transition can be completed by 2020. He raised his concern about LIMS readiness, it was informed that C-DOT, LIMS will be ready by December, 2011, as already assured by C DOT in Oversight committee meeting. Advisor (T) informed the members that he will have a separate meeting on this issue with all concerns and **security wing of DoT may coordinate and arrange for the same.**

5. DDG (NT) then started the discussions on the new agenda points as follows:-

i. Cost issue (Higher Cost charged by Vendors) needs further deliberation and in depth study by TEC-

Sr. DDG (TEC) said that as the report of the committee for vendor charging higher cost was discussed in recent Oversight Committee meeting and as per the direction in this meeting next meeting is planned in the 3rd week of November, 2011 to understand this issue properly from the SPs and requested that in this meeting Mr. N K Goyal from CMAI and representative from Airtel, TCL etc should also be present.

ii. An expert group to be formed from the principal vendors and other concerned stakeholders with whom the core committee members can interact as per the technical requirements

DDG (NT) informed the committee about the need of this group and also briefed about the discussions in Oversight meeting in this regard. He also informed that in the recent core committee meeting it was also discussed and some of the technical personas identified are from IISc, CISCO, BSNL, TechMahindra, Neosixth, Zuniper, Ericossion & Google. Advisor (T) said that persons from MNIT/IIT etc may also be included. In addition other possibilities may also be explored.

iii. **IPv6 forum, India to host the Global IPv6 summit in India with the support of DoT-**

It was discussed that Mr. N K Goyal from CMAI will coordinate with IPv6 forum and hold this event as per plan.

iv. **The economic impact/ benefits of IPv6 based applications in the country, need to be published in the newspapers for information to all and a group/lead group may take up this responsibility**

DDG (NT) said that as per this BSNL, Tech Mahindra and TEC will develop some of the articles on IPv6 applications etc. Advisor (T) said that Service Providers can take up this matter with their respective marketing cell and propose to release some of the articles in Newspapers etc. He further said that it may also be released from DoT if needed. Mr. Vikaram Tewathia, Associate DG, COAI also suggested that through awareness program of IPv6 DoT should issue some of the articles.

v. **CMAI & others to hold focused workshops with different groups**

Mr. Goyal President CMAI said he is working on it and plan to hold the same soon.

vi. **Applications and content providers need to be pursued by all to be IPv6 ready**

Tech Mahindra is working on it and will hold the focused workshop for the application & content providers..

vii. **Top websites to be made IPv6 ready.**

DDG (NT) said that as NIC is working for making Government website IPv6 ready, it is also need to pursue with top websites like IRCTC, ICICI etc to make them IPv6 ready.

viii. **C-DOT to make LIMS ready for monitoring of IPv6 traffic by December, 2011**

It was discussed in details and Security wing DoT was asked to take this issue on high priority and come out with solution in consultation with C DOT etc. Advisor (T) said he will also like to discuss this with C DOT, Security wing DoT and other soon.

ix. **Test bed expected to be ready by January, 2012 by TEC and accordingly certification facility will be made available**

Sr. DDG (TEC) said that work is in progress and same will be ready by January, 2012.

x. CERT (DIT) to take up for empanelment of audit teams for IPv6

DDG (NT) informed that this matter was taken up with DG (CERT-In) and he has confirmed to take care of this issue.

xi. NKN, NIC, ERNET and ISPAI to work for promotion of IPv6 in educational institutions

DDG (NT) said that ISPAI needs to take up this and for which Mr. Goyal agreed to talk to ISPAI and for others this issue will be taken up at appropriate level.

xii. TEC to take action on standards for IPv6 compliant handsets and coordinate with BIS, if required

Sr. DDG (TEC) informed TEC is working on it in coordination with BIS and same will be done at the earliest.

Advisor (T) finally said that we had good interactive discussions and hoped that all will take care of their assigned responsibilities and complete their targeted works on time.

At last Sh. N Ram Director (NT), gave vote of thanks to all distinguished members for sparing their valuable time and making the discussions fruitful.



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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.