

**Government of India**  
**Ministry of Communications & IT**  
**Department of Telecommunications**  
**NT Cell**

No. 3-2/1/ 2013-NT  
Date: 27<sup>th</sup> May, 2013

**Subject: IPv6 Review meeting with Pr. Sec (IT)/ Sec (IT)/ IPv6 Nodal Officers of States/UTs - Minutes of the Meeting Reg.**

Participation (List is placed at Annexure – I):

- a) Advisor (T) and Officers of NT Cell, DoT.
- b) Pr. Sec (IT)/ Sec (IT)/ Nodal Officers of States/UTs.

A meeting under the chairmanship of Advisor (T) was held at DoT HQ on 14<sup>th</sup> May 2013 for reviewing IPv6 transition across all States/UTs.

DDG (NT) welcomed all the participants and said that after release of the 'National IPv6 Deployment Roadmap version-II', this meeting is called for apprising the States/UTs about recommendations and action plan. He added that IPv6 is not just about addresses but provides a safe, secure, open and scalable platform for development of various applications in areas like smart cities, smart grid, tele-education, tele-medicine etc. which have great potential to boost socio-economic development of the country.

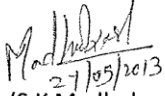
Advisor (T) said that IPv4 addresses are on the verge of exhaustion. Besides plentiful addresses, IPv6 provides a number of smart applications such as smart grid, smart transport and traffic system, smart cities etc. Other countries of the world are progressing in this direction and there is no reason why India should be left behind. The whole ecosystem is required to transit to IPv6. Six out of twenty two major Service Providers are ready and remaining are expected to be ready by December 2013. The Roadmap version –II targets everyone in the ecosystem. Expectations and targets for every stakeholder are defined and regular meetings are being held with all the stakeholders in the ecosystem. DoT is acting as facilitator in this process. An IPv6 Centre of Innovation (Col) as per NTP-2012 is under process of being established.

Director (NT-I) gave presentation with regard to 'National IPv6 Deployment Roadmap Version –II' and IPv6 transition across the States/UTs including status of nodal officers nominations and receipt of activity sheets.

Proceeding with agenda and discussion points, following important points emerged:

1. The Government organisations should prepare a detailed transition plan for complete transition to IPv6 (dual stack) by December 2017 based on the network complexity & equipment/ technological life cycles. The plan should be prepared at the earliest and latest by December 2013.
2. The Government organisations should procure equipments 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.
3. States/UTs pointed out that role of NIC is critical in IPv6 transition but the repose of NIC is not encouraging. They requested DoT to take up the case at their level.
4. Himachal Pradesh pointed out that their IPv6 based Pilot Project on citizen centric services is pending with DeitY since long. West Bengal informed that they plan to send again their pilot project regarding blood bank to DeitY.

5. In response to queries from many participants, DDG (NT) informed that BSNL provides training for all levels- Basic, Professional & Expert on payment basis. States/UTs should contact CGM ALTTC, Ghaziabad (mail id: cgm\_alttc@gmail.com, phone no 0120 2710494 and address: CGM ALTTC, ALT Centre, Rajnagar, Gaziabad-201002) in this regard if any training is required to be conducted for State Government officials.
6. For decision makers, awareness on IPv6 is necessary and a workshop/seminar may be organised at the States/UTs Government premises while the experts and speakers can be arranged by DoT. It was felt that State/UTs may go for another round of such workshops for the benefit of key decision makers. Some of States/UTs like Gujarat, Himachal Pradesh, Chandigarh, Pudducherry, Uttar Pradesh etc desired workshops in the State/UTs. The date would be finalised in consultation with respective State/UTs. Others are requested to convey suitable dates to DoT at the earliest.
7. The IPv6 should be included in the curriculum of technical courses being offered by various institutes and colleges in the State/UT. The States/UTs need to take the same within their jurisdiction.
8. It was discussed that some of State/UTs are going with plan of smart cities, smart grid etc with the propriety based implementation. Interoperability and scalability can be major issues if propriety based implementation is done. To avoid this, it is advisable to go for IPv6 based open system for such implementations.
9. Assam and Punjab intimated that BSNL is still not ready with IPv6 due to which IPv6 transition of SWAN etc is getting affected.
4. The activity sheet is pending from the following States/UTs even after repeated reminders: Arunachal Pradesh, Bihar, Chhattisgarh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Rajasthan, Uttarakhand, Andaman and Nicobar Islands and Dadra and Nagar Haveli. The concerned States/UTs are requested to send the same at the earliest.
10. There was no participation from some of the States/UTs as per the list at Annexure - II

  
27/05/2013  
(S K Madhukar)  
ADG (NT)

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Copy to:

1. Advisor (T), DoT for information please.
2. Chief Secretary/Pr. Sec (IT)/ Sec (IT)/ IPv6 Nodal Officers of all State/UTs for necessary action please.
3. Director (IT), with a request to upload the same on DoT website under IPv6 activity.

**Annexure-I**

S.No.	Name	Designation	Department/ State & Address
1	Sh. R.K. Bhatnagar	Adv(T)	DoT
2	Sh. R.M.Agarwal	DDG(NT)	DoT
3	N.Ram	DIR.(NT-I)	DoT
4	Manish K. Agarwal	DIR(NT-II)	DoT
5	S.K.Madhukar	ADG(NT)	DoT
6	Shyamal Bhuyan	Addl. Manager	Amtron, Govt. of Assam
7	Ajay Chagti	AS(IT)	IT, Deptt, GNCT of Delhi
8	Santulan Chaubey	SA(IT)	IT, Deptt. of IT, Delhi
9	Dhamandra Rai	Sr. Consultant	DIT, Maharashtra
10	R.S.Singh	Nodal Officer	DIT, U.P.
11	K.Ratendran	Nodal Officer	IT & Deptt. of Andhra Pradesh
12	Om Prakash Singh	Sr. Consultant	SEMT, Manipur
13	P.C. Dhiman	Principal Secretary	IT Govt. of HP
14	Abhishek Roy	Sr. Consultant	IT Deptt. Govt. of West Bengal
15	Sunit Bhattacharya	Manager(EGV), Webel	Webel(NBEIDC) under DIT
16	Jatin Gupta	Consultant	Deptt. of Governanace Reforms, Punjab
17	S.K.Tripathi	DGM	Directrate of IT, odisha
18	S.Ray	Dy secy, IT	Deptt. of IT, Odisha
19	Chura Katiry	Program officer,IT	Deptt. of IT/Nagaland
20	A.Siva Gnana Ganesan	Programmer	Deptt. of IT/ Puducherry
21	Vivek Atray	Addl. Secy IT	Govt. of Haryana
22	D. Balakiran, IAS	Dy. Secy (IT)	Govt. of Kerala
23	S. Rangarajan	Head, SEMT	Deptt. of IT Dadar & Nagar Haweli
24	Anup Pande	IPv6 Consulttant	MPSEDC, State of MP
25	Pankaj Bhargaw	Sr. Consultant	Deptt. of Science & Technology- Gujarat
26	S. J. Haider	Secretary	Deptt. of S&T, Govt. of Gujarat
27	Divya Bansal	Addl. Director	Deptt. of IT, UT of Chandigarh

Sl No	States/UTs
1	Arunachal Pradesh
2	Bihar
3	Chhattisgarh
4	Goa
5	Jammu and Kashmir
6	Jharkhand
7	Karnataka
8	Madhya Pradesh
9	Meghalaya
10	Mizoram
11	Rajasthan
12	Sikkim
13	Tamil Nadu
14	Tripura
15	Uttarakhand
16	Andaman and Nicobar Islands
17	Daman & Diu
18	Lakshadweep