

**3-2/2011-NT**

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

**Dated: 2<sup>nd</sup> August, 2011**

**Minutes of Meeting**

**Subject: Meeting with Principal Secretaries (IT)/Secretaries (IT), State Governments/UTs to review IPv6 Policy implementation-Minutes thereof.**

The meeting with Principal Secretaries (IT)/Secretaries (IT), State Governments/UTs to review IPv6 Policy implementation was held on 21<sup>st</sup> July, 2011 at 11.00 hrs at 13<sup>th</sup> Floor, Conference Hall, Sanchar Bhawan under the chairmanship of Secretary (T), DoT. It was attended by more than 35 officers from different States/UTs. Shri R.M. Agarwal, DDG (NT), DoT welcomed all the distinguished participants.

2. Shri J. Gopal, Advisor (T) said that this meeting is to review the progress of the IPv6 implementation across the states/UTs and hoped that they will be ready ahead of March 2012, the target fixed by the Government. He gave a presentation on IPv6 policy and its implementation. During the presentation he said that the activity sheet is still not received from many of the states/UTs and nomination of nodal officers is still pending from 4 states namely Arunachal Pradesh, J & K, Rajasthan and Uttrakhand and further requested concerned states to send the same without further delay.

3. Shri Chandra Prakash, Member (T) in his address said that out of 360 million data users in India, we have only 18.5 million IP addresses allocated which shows that one address is shared by almost 20 users. He said that IPv6 is the need of the hour and for its implementation a number of steps have already been initiated by the Government and regular meetings & persuasions with all concerned are being done. Major Service providers are almost ready to provide the IPv6 based services and now Government organisations are required to gear up in this regard. He also said that DoT is holding awareness workshops in all States/UTs across the country in coordination with BSNL and DoT is also in the process to empanel consultants for providing consultancy services and same will be completed in next 3-4 months. It was also informed that all NIXI nodes have been made IPv6 complaint. NIC is also in the process of making government websites IPv6 ready. He said that States should formulate their roadmap to achieve the same by March, 2012 and hoped that today's

discussion will bring out some more points for deliberation and we would come closer to the IPv6 migration.

4. Sh. R. Chandrashekhar, Secretary (T) in his address said that problems, importance and urgency have already been discussed by Advisor (T) and Member (T). It is a complex task and several issues are there to deal with. DoT has been entrusted to do this task in our country and to complete this a Road map has already been released. To complete the task of IPv6 migration on time as per this road map you all are here for clear understanding on how to achieve this on time. He further said that DG (NIC) is also available for clarifying any doubts in regard to achieving migration on time as the time lines of December, 2011 and March, 2012 is not far away from now. It therefore becomes very critical to sit together and discuss the issues clearly. It was also said that increasingly all the devices/ works are being digitalised and scope will be wider in near future and hence it has become absolutely important to achieve this migration on time. He further said that DoT, DIT, NIC & BSNL have got important roles of implementing the policy guidelines and awareness through workshops across the country. All States have to take benefit of these to achieve the transition on time, as service providers are on the right track and it is the time for Government organisations to act fast for policy implementation urgently. He hoped that in today's discussions all the issues will be discussed at length and States/UTs will be clearer about their respective roles on how to achieve the migration on time.

5. DDG (NT) gave a presentation on the status of the activities and progress of the Working Groups, Major Service providers and Government organisations. He said that still nominations are pending and activity sheets are not sent by most of the States and requested to send them urgently to monitor the progress. He further said that in recent meeting with Service providers it has come out that they are ready to provide the services on time and the matter have been taken up with all the Government organization to make contents of the websites IPv6 ready and in this regard Secretary (T) has already written a letter to the Chief Secretary of all States and Secretaries of Central Government ministries and departments.

6. Shri B K Gairola, DG (NIC) said that some of the government websites will be put on dual stack soon and accordingly the remaining Government websites will be made dual stack in the next phase. He said that to have experience of the IPv6 the content is also required to be made available. He further said that as SWAN addressing is to be done using IPv6 and accordingly within the next the 30 days time they will complete the same and security issue in this regard is also being taken up at appropriate level so that security can be mapped on it within e-governance activity. He said that the team which is working on IPv4 will also be responsible for IPv6 implementation in States. DDG (NT) informed that C DOT is also taking action for making Lawful Interception and Monitoring System ( LIMS) IPv6 compliant and they will come out with the solution soon.

7. Mr. Naveen Dhar from TCL gave a presentation on world overview of IPv6. He discussed the IPv6 drivers' viz. business drivers, technical drivers and global adoption strategy.

8. Mr G Srinivas from Tech-Mahindra gave a presentation on IPv6 Security issues and application of IPv6 covering the aspects of sensor based networks.

9. During the discussions Secretary (T) directed to resend the letter which was released by DoT for procurement of IPv6 compliant equipment and same is to be reiterated by DIT to all States again. Progress of Address allocation committee and National Internet Registry (NIR) was also discussed.

10. Various officers from different States raised different –different points for clarification and all were replied suitably and in the mean time Secretary (T) directed to form a core committee to look into these types of queries and after discussions on regular basis the compilation of solutions for the the same can be uploaded on the websites. It was felt necessary to deal with these types of queries from one platform on regular basis. On the spot a committee was proposed.

11. Sh. Neeraj Verma, GM (Trg.) from BSNL Corporate Office, discussed the awareness workshops and the special training programs being conducted by BSNL in coordination with DoT. DDG (NT) discussed the tentative schedule of the remaining workshop to be conducted and requested States/UTs to confirm the same so that workshops can be conducted with high level of participation from states/UTs.

12. Actionable points emerged out from this meeting are as follows:

- i. Nominations of nodal officers are pending from 4 states namely Arunachal Pradesh, J & K, Rajasthan and Uttarakhand and they are requested to send the same without further delay.
- ii. Activity sheet still not received from many of the States/UTs and they are requested to send the same without further delay.
- iii. DoT to empanel the consultants for providing consultancy services to Central and States Government organizations in next 3-4 months times.
- iv. Contents of the government websites to be made IPv6 compliant.
- v. Government websites maintained by NIC to be made dual stack.
- vi. C DOT to take action for making LIMS IPv6 ready.
- vii. IPv6 compliant guidelines letter issued by DoT to be reiterated again by DIT to all states.
- viii. Awareness workshops schedule to be firmed up by the states for the remaining workshops at the earliest and intimated to DoT/BSNL.

- ix. Formation of core committee to look into various issues/ doubts and resolving the same on regular basis.

The meeting ended with vote of thanks by Director (NT).

**(N Ram)**  
Director (NT)

Copy for Information please:

1. Secretary (T)
2. All the chief Secretaries/Administrators of States/UTs.
3. Member (T)
4. Member (F)
5. Advisor (T)
6. CMD, BSNL,
7. DG, NIC.
8. ED, C- DOT.
9. Additional Secretary, DIT.
10. Sr. DDG (TEC).

Copy for information and necessary action to:

1. All the Principal Secretary (IT)/Secretary (IT) of States/UTs.
2. All the state nodal officers.
3. All the participants.