

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

No. 4-1/2011-NT
Date : 21st Aug 2012

Subject: Minutes of Meeting with Major Service Providers on 03rd Aug 2012 : IPv6 Readiness - Progress and Review

Participation:

- a) Officers of Dept. of Telecommunications & TEC.
- b) Representatives of Service Providers.

Proceedings :

Shri N Ram, Director (NT), welcomed all the participants. Shri R M Agarwal DDG (NT) said in his opening address that majority of Service Providers are ready and remaining should be ready by December 2012. Government departments are to start using IPv6 services by 2012. Some of them have started especially in South and in North East while some are under upgradation. NTP 2012 is already released by Government and there is lot of emphasis on IPv6 implementation and pilot projects as well as establishment of dedicated Col for IPv6. Major Service providers such as MTNL, Airtel, Aircel etc have informed that their network is yet to be ready for retail, BB and mobile because of delay in IPv6 ready equipment especially GGSN/SGSN equipment. He further said that DFS, MoF is being pursued for payment gateway readiness of IPv6 as per need of content readiness on IPv6. Similarly, Registrars are urged for renewing the websites on dual stack only.

Shri N Ram, Director (NT) presented status and progress of Major Service Providers and Government Organisation. The Participants discussed various points as per the agenda and main points emerged are summarised as follows:

1. Shri Amit Tank, DGM, Vodafone India Ltd India said that their Network will be ready by March 2013. But customers especially enterprise is in habit of asking for IPv4 addresses.
2. Shri D R Goyal, Depty Director IT, MTS said that the network is IPv6 ready.
3. Shri Vijay M, GM-NOC, Hathway said that the network is IPv6 ready but OSS/BSS is yet to be ready.
4. Shri Naveen Dhar, Manager, TCL said that OSS/BSS are IPv6 ready, whereas CDN is yet to be ready.
5. Shri Mukesh Lal, DGM(IT) said that DSLAM and CPE are tested for IPv6 services and we are offering CPE which is IPv6 compliant. Time line for commercial launch will be intimated in due course.
6. Shri Lokesh Bhardwaj, Manager, Spectranet Ltd said that the network is IPV6 ready.
7. Shri Jalaj Choudhary, VP (Network), Reliance Communications said that they are offering IPv6 services but there is very low traffic. Still customers are going for IPv4 addresses.
8. Shri Ambesh Bhambri, GM, Aircel Ltd said that they will start offering IPv6 services by Q3, 2012.

Shri Anup Pande presented concept of Carrier Grade NAT (CGN) as a short term solution. Participants expressed following view:

- a. CGN will introduce deterioration of the user experience.
- b. Cost of Ownership will increase with the time as old IPv4 equipment will be costly to maintain as time progresses.
- c. Because of Security requirement, IP address should be one to one mapped, therefore, It will not increase IP addresses.
- d. It is wise to go for dual stack in the first go itself.

Shri N Ram, Director (NT) presented concept of Centre of Innovation (Col) under the formation stage.

Shri Manish K Agarwal, Director, TEC, presented the 'Index Chapter' of National IPv6 Deployment Roadmap Version-2 before the participants. Shri B K Nath, Director, TEC gave presentation on chapter of 'Service Provider' of the National IPv6 Deployment Roadmap Version-2.

DDG (NT) said that Ipv6 addresses should be given free of cost. The Service Providers should intimate time line for V4 and V6 address provisioning. All the Service Provider should give suggestions and feedback for the National IPv6 Deployment Roadmap version-2 and the Centre of Innovation. The Participants agreed to provide the same in a week time.

Advisor (T) finally said that we should be working as a team. Inputs from every stakeholder are welcome. Documentation of the Roadmap would be structured with the contribution of all the stakeholders in the IPv6 ecosystem. We shall take advantage of all the expertise and advancement of technology in the industry.

Meeting ended with thanks giving.

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

Copy to:

1. Advisor (T), DoT for information please.
2. All participants for information and necessary action please.

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