Government of India
Ministry of Communications
Department of Telecommunications
Sanchar Bhawan, 20 Ashoka Road, New Delhi
Networks & Technologies (NT) Wing

No. 2-8/IPv6-Review/2015-NT   Dated: 11th February, 2020

Subject: Revision of IPv6 Transition Timelines

National IPv6 Deployment Roadmap v-II was released by Department of Telecommunications (DoT) in March, 2013 for IPv6 transition in the country in a phased and time bound manner. Substantial amount of work was carried out for IPv6 transition as stipulated in the Roadmap. Subsequently, the IPv6 transition timelines were reviewed vide letter no. 2-8/IPv6-Review/2015-NT dated 25-05-2016.

2.   Significant progress is made in IPv6 transition across various stakeholders after revision of timelines in May-2016. However, there were segments where the transition was taking longer time due to legacy networks and complex nature of the issues.

3.   Accordingly, the IPv6 transition timelines are reviewed and revised with the approval of the competent authority as under:

3.1   Government Organizations:
All Government organizations should complete IPv6 transition latest by March, 2020.
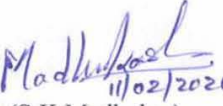
3.2   Service Providers:
(a) Enterprise Customers: Since most of the Service Providers were IPv6 ready in this segment and there was no revision of timelines in 2016. Hence, these timelines were not reviewed.
(b) Retail Customers (Wireline):

*   "All new retail wireline customer connections provided by Service Providers on or after December, 2020 shall be capable of carrying IPv6 traffic either on dual stack or on native IPv6."

*   "The Service Providers shall endeavor to progressively replace/upgrade the CPEs which are not IPv6 ready and are owned by Service Providers by December, 2020."

*   "All the ISPs/TSPs shall submit a quarterly report to respective LSAs clearly stating the number of new customers acquired during the period and number of such customers provided with IPv6 or dual stack."

(c) Retail Customers (Wireless): There has been significant increase in the uptake of IPv6 traffic in wireless segment. Moreover, the IPv6 traffic seems to be continuously increasing across all major Service Providers, hence no change has been made in the timeline for this segment.

3.3 Content & Application Providers: With the increase in IPv6 traffic in the country, the transition to IPv6 (either dual stake or native IPv6) by the content & application providers is left to market forces.

3.4 Equipment Manufacturers: All mobile phone handsets/data card dongles/tablets and similar devices used for internet access are already IPv6 ready; hence, there was no review of the timelines. However, equipment manufacturers of wireline CPEs shall endeavor that wire line CPEs sold in India are capable of carrying IPv6 traffic either on dual stake or on native IPv6.

3.5 Cloud Computing/Data Centers: With the increase in IPv6 traffic in the country, the transition to IPv6 (either dual stake or native IPv6) by the cloud computing/Data Centers is left to market forces.

4. DoT will regularly review the progress of IPv6 transition to meet the objectives of NDCP-2018.

This is for kind information and necessary action please.

(S K Madhukar)
ADG (NT-I)

To,

(a) All Internet Service Providers (ISPs)/ All Content and Application Providers/ Equipment Manufacturers/ Cloud Computing Service/Data Centre Providers.
(b) All Central Government Ministries/Departments and Government of State/UTs
(c) DG (T), Sr DDG (TEC), JS (T), DDG (AS), DDG (DS), DDG (CS), DDG (Security), DDG (SA), DDG (SU), DDG (BB), DDG (IT), DDG (Training), ED (C-DOT), DDG (IR), CEO (NIXI)
(d) COAI, ISPAI, AUSPI, ICA

Copy to: (a) Sr. PPS to Secretary (T)
(b) Sr. PPS to Member (T)
(c) Sr. PPS to Member (S)