India IPv6 Task Force Newsletter

IPv6 Workshop for Decision Makers in Meghalaya

"IPv6 Workshop for Decision Makers in Meghalaya."

(Left to Right): N Ram, Director (NT-I), DoT HQ, G. Raghvendra Rao, DDG (NT-Assam), P.B.O. Warjri, Chief Secretary, Meghalaya, Jhon Chrissostum, GMTD,BSNL, Shillong, D.P. Wahlang, Commissioner & Secretary(IT), Meghalaya.

An IPv6 workshop for decision makers was held on 12-09-2014 at Shillong. The Chief Secretary to the Govt. of Meghalaya, Shri P.B.O Warjri inaugurated the workshop highlighting the IT related activities undertaken by Government and the current status of the State. The workshop was attended by more than 150 officials from various Departments/Organisations. Shri D.P. Wahlang, Commissioner and Secretary to Government of Meghalaya, Department of IT in his welcome address told basics about IPv6 and analogy with telephony. During and after each presentation, questions were asked which was followed by discussions.

Internet Governance Forum (IGF) Summit Meet held during 02-05 September, 2014 at Istanbul, Turkey

IGF, a multi stakeholder discussion forum under UN aegis on Internet related issues, held its 9th Annual Summit meet with overarching theme "**Connecting Continents for Enhanced Multistakeholder Internet Governance**". It was attended by more than 2300 delegates from different countries with Shri R M Agarwal, DDG (NT) representing DoT.
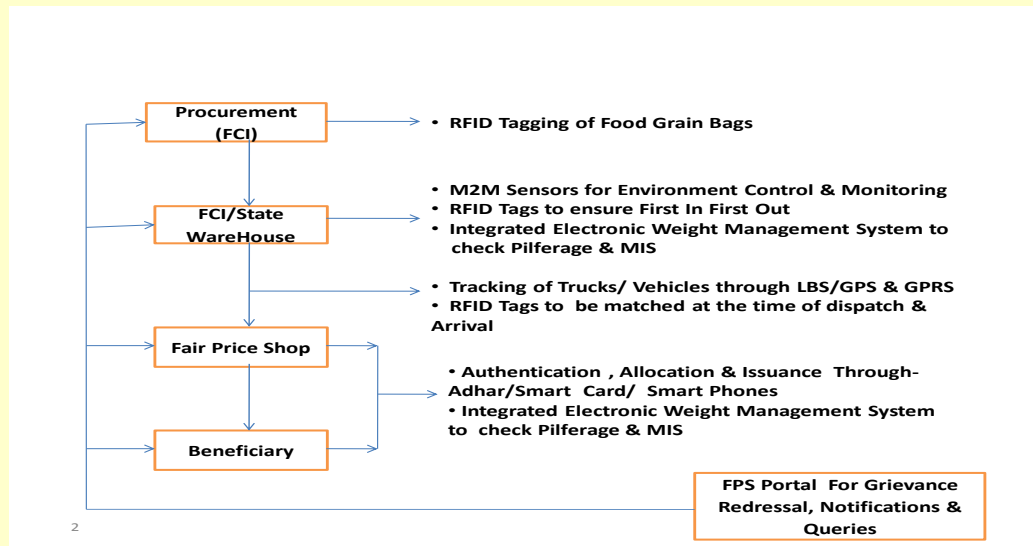
Apart from discussions on policy and business implications of emerging cloud computing, M2M & IoT Technologies, the summit had intense deliberations on the model to be adopted after relinquishment of oversight of Internet Assigned Numbers Authority (IANA) functions of Internet Corporation for Assigned Names and Numbers (ICANN) by US Government. Various Government of India initiatives towards improved access to citizen viz Digital India, National Optical Fibre Network (NOFN), National Information Infrastructure (NII) etc. were highlighted at the summit.

An Approach towards efficient Public Distribution System using IPv6, M2M & Cloud Computing

An efficient Public Distribution System, which is devoid of the leakages, inclusion and exclusion errors and incorporates an element of transparency and accountability in itself, is of utmost importance to the country. It plays an important role in enhancing the food security at micro level and in turn the human productivity of a nation.

In its effort towards preparation of a series of documents focused on improvement in various segments of economy with new technology interventions, Networks &Technologies Cell has finalized an approach paper on PDS system of the country. The salient features of the document are explained diagrammatically on the next page:

Procurement (FCI)
- RFID Tagging of Food Grain Bags

FCI/State WareHouse
- M2M Sensors for Environment Control & Monitoring
- RFID Tags to ensure First In First Out
- Integrated Electronic Weight Management System to check Pilferage & MIS

- Tracking of Trucks/ Vehicles through LBS/GPS & GPRS
- RFID Tags to be matched at the time of dispatch & Arrival

Fair Price Shop
- Authentication , Allocation & Issuance Through- Adhar/Smart Card/ Smart Phones
- Integrated Electronic Weight Management System to check Pilferage & MIS

Beneficiary

FPS Portal For Grievance Redressal, Notifications & Queries

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Salient Features of the Approach Paper on PDS

India Specific M2M Standards Formation in Process

M2M has vast potential and is going to be the next big thing in the life of a common man. DoT is committed to bring M2M policy and regulation for mass rollout of M2M based services. DoT has earlier started with consultation process with Industry through questionnaire and broad terms of reference were finalized. Policy recommendations and M2M Roadmap from DoT will be released in due course.

"Formulation of M2M Roadmap & India Specific M2M Standards by DoT in progress"

TEC has in parallel started working on India Specific M2M standards in line with evolving global standards. Five Working Groups are formed in this regards as under:
➤ Working Group Power
➤ Working Group Automotive
➤ Working Group Surveillance
➤ Working Group Health
➤ Working Group M2M Gateway & Architecture
➤

All these groups are well represented from Industry and are working in close coordination with TSDSI, ETSI, One M2M alliance etc. The draft standards are expected within couple of months.

Updates from Meetings with Stakeholders

Updates from the meetings with various stakeholders are as below:

Name of the Meeting	Date	Highlights
Steering & Standing Committee	23.07.2014	• *Each Working Group members would intimate DoT whenever a workshop/seminar is organized.* • *MTNL should organize a workshop at Mumbai for Financial sector.* • *NIXI would organize another 2 or 3 workshops.* • *M/s Sixmatrix will be sharing case study about MP state SWAN project.*
Service Providers	06.05.2014	• *Almost all service providers said that their networks are ready for offering IPv6 services to the Enterprise Cutomers. Service offering to the retail customers by some of the Service Providers are also available while rest are in process of offering soon. BSNL and MTNL assured that in this regard they will update their status as per timelines of the Roadmap ver-II (30-06-2014).* • *Most of the Service Providers said that their DNS servers have been upgraded and are IPv6 ready.* • *Most of the Service Providers are also maintaining Data Centres and they submitted that those Data Centres are on dual stake.* • *All Service Providers agreed that they will carry out self-auditing of their network with regards to IPv6 service offering and soon they will submit the report to DoT.* • *DDG(DS) said that there are more than 300 ISP's in the country and major operators too have ISP licenses. They all have to comply obligations of IPv6 transition with the timeline outlined in the National IPv6 Deployment Roadmap ver-II released by Hon'ble Minister of Communication & IT.* • *BSNL and MTNL were asked to carry out their internal assessment with regards to IPv6 service offering in 15 days' time and subsequently update the DoT with regards to the agenda points and IPv6 service offering across their License Area and accordingly a meeting with BSNL & MTNL will be scheduled in a month.*

Updates from Meetings with Stakeholders (continued)…

Name of the Meeting	Date	Highlights
Oversight Committee	25.03.2014	• *IPv6 Adoption Milestones' has been circulated to all Central Government Ministries/Departments and States/UTs to facilitate transition to IPv6 in a phased and time bound manner as per Roadmap v-II guidelines. (55 out of 84 received from Central).* • *Reiteration of following guideline was done:* *'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'.* • *Progress of IPv6 readiness of financial sector reviewed.* • *Readiness of TEC test bed to test mobile handsets discussed.* • *Status of IPv6 transition in NIC reviewed.*
End User Equipment Manufacturers/Vendors	21.01. 2014	• *Representative of M/s Nokia said that all handsets to be launched after timeline of June 2014 onwards shall be IPv6 ready.* • *Representative of M/s Samsung informed that all their smart phones on Android platform are IPv6 ready and coming models shall be IPv6 ready.* • *M/s Micromax representative informed that about 60% of their phones are IPv6 ready.* • *With regards to request of the participants for Handset testing for IPv6 readiness, it was informed that the information for TSTP/IR is available on TEC website. Further, TEC is making efforts to have Handset testing facility in its lab.*

IPv6 Transition Status at a Glance

In the aftermath of release of 'National IPv6 Deployment Roadmap v-II', a thirteen point proforma titled 'IPv6 Adoption Milestones' was circulated amongst Government organizations to facilitate IPv6 transition to IPv6 phased and time bound manner. The same has been received from 84 Central Government Ministries/ Departments and 15 States/ UTs. About 3000 Government websites, hosted on NIC server are under process of transition to IPv6 (dual stack). About 80% of mobile handsets models (2.5G & above) are IPv6 ready. As far as financial sector is concerned, the websites of about 15 banks are ready on IPv6 (dual stack) and the payment gateways are also underway to be ready on IPv6.

IPv6 Workshops for the Benefit of Stakeholders

Sl. No.	Workshop	Date	City
1	IPv6 Workshop for decision makers in RBI	2nd May, 2014	Guwahati
2	IPv6 Workshop for decision makers in the State	3rd May, 2014	Guwahati
3	IPv6 Workshop for decision makers in MTNL	20th May, 2014	New Delhi
4	IPv6 Workshop for decision makers in Ministry of Shipping	6th June, 2014	New Delhi
5	IPv6 Workshop for decision makers in the State	12th Sept, 2014	Shillong
6	Workshop on IPv6 for benefit of stakeholders in NIT	13th Sept, 2014	Shillong

Further, workshops at Itangar and Hyderabad have also been planned in coming months.