

## **TELECOM REGULATORY AUTHORITY OF INDIA**

### **Seminar on Next Generation Networks – Implementation and Implications (25-26<sup>th</sup> August, 2011)**

**Venue: Hotel Taj Mahal, Mansingh Road, New Delhi  
(Diwan-I-Am Hall)**

### **Programme**

<b>Day – 1 (25<sup>th</sup> August 2011)</b>		
<b>Time (Hrs)</b>	<b>Session</b>	<b>Name of the Speaker</b>
<b>0900-0945</b>	<b>Registration</b>	
<b>1000-1100</b>	<b>Inauguration and address by Hon'ble MOS(C&amp;IT)</b>	
<b>1100-1115</b>	<b>High Tea</b>	
<b>1115-1215</b>	<b>Session I - Convergence and NGN overview</b>	
<b>Session Chair: Mr. Chandra Prakash, Member (T), DOT</b>		
	1. NGN Architecture, technologies and solutions	Dr Subrat Kar, IIT Delhi
	2. NGN in the Access Network	Dr Basav Roychoudhury, IIM Shillong
	3. Next Generation transport	Dr Ashwin Gumaste, IIT Bombay
<b>1215-1315</b>	<b>Session II - Migration from legacy to NGN</b>	
<b>Session Chair: Mr R.K. Upadhyaya, CMD, BSNL</b>		
	1. Migration Strategies and Challenges	Mr. Scott Marcus, Germany
	2. NGN Implementation Country Case Studies	Mr. Scott Marcus
	3. Experience of EU and UK in migration to NGN	Dr Rekha Jain, IIM Ahmedabad
<b>1315-1415</b>	<b>Lunch Break</b>	
<b>1415-1530</b>	<b>Session III - Initiatives taken by International Standards Agencies on NGN</b>	
<b>Session Chair: Mr Scott Marcus</b>		
	1. ITU activities on NGN	Mr Sameer Sharma, ITU, Bangkok
	2. ITU-D SG 2 progress	Mr Arvind Kumar, Advisor TRAI
	3. ETSI/3GPP initiatives on NGN	Mr. Martin Lundborg, SBR

<b>Time (Hrs)</b>	<b>Session</b>	<b>Name of the Speaker</b>
<b>1530-1630</b>	<b>Session IV - Interconnection architecture</b>	
<b>Session Chair: Mr. Martin Lundborg, SBR</b>		
1.	NGN Interconnection: <ul style="list-style-type: none"> <li>• Importance, issues and challenges</li> <li>• Architecture, interconnection points, interconnect exchange</li> <li>• Interconnection standards and protocols</li> </ul>	Mr. Scott Marcus
2.	NGN Interconnection -Regulatory Issues	Mr Lav Gupta, TRAI
<b>1630-1645</b>	<b>Tea Break</b>	
<b>1645-1730</b>	<b>Session V - Invited papers</b>	
<b>Session Chair: Mr R.K. Arnold, Secretary, TRAI</b>		
1.	Cognitive radio networks: Implementation and application issues in India	Mr. Lokesh Chouhan
2.	NGN implementation issues	Mr. Satish Alandkar
<b>Day - 2 (26<sup>th</sup> August 2011)</b>		
<b>0930-1030</b>	<b>Session VI - Interconnection usage charge determination for NGN</b>	Mr. Scott Marcus
<b>1030-1130</b>	<b>Session VII - Quality of Service in NGN</b>	
<b>Session Chair: Prof. H.S. Jamadagni, Member(PT), TRAI</b>		
1.	Network and user centric QoS parameters	Mr. Scott Marcus, Germany
2.	Ensuring per service and per user QoS	Mr. Scott Marcus, Germany
3.	Real-time Neuro-Fuzzy QoS delivery approach for heterogeneous next generation wireless networks	Mr. NS Rajput, IT-BHU
4.	NGN Architecture and QoS	Mr. Jayant Bhatnagar, CDOT
<b>1130-1145</b>	<b>Tea Break</b>	
<b>1145-1300</b>	<b>Session VIII - Regulatory and Policy issues -I</b>	
<b>Session Chair: Prof V. Ranganathan, Member(PT), TRAI</b>		
1.	Business case for NGN	Prof. Arunabha Mukhopadhyay, IIM, Lucknow
2.	Regulatory implications of migrating to NGN	Mr. Matthias Ehrler, SBR
3.	Numbering and addressing in NGN	Mr. R.R. Mittar, DDG(NGN), TEC

<b>Time (Hrs)</b>	<b>Session</b>	<b>Name of the Speaker</b>
4.	Convergence in communications: some regulatory implications for NGN (Invited Paper)	Mr Anindya Chaudhuri, NISTADS
<b>1300-1400</b>	<b>Lunch Break</b>	
<b>1400-1500</b>	<b>Session IX - Regulatory and Policy issues -II</b>	
<b>Session Chair: Mr Kuldeep Singh, CMD, MTNL</b>		
1.	Ensuring Security in NGN	Mr. A.K. Mittal, Sr DDG, DOT
2.	Activities on NGN standardisation	Mr Sameer Sharma, ITU, Bangkok
3.	NGN Standards and interfaces in the Indian context	Mr Sastry/Mr Dayal, TEC
4.	Relevance of USO in NGN environment	Mr KK Minocha, DDG, USOF
<b>1500-1630</b>	<b>Session X – Telecom industry experience</b>	
<b>Session Chair: Mr SC Mishra, Member(S), DOT</b>		
1.	Fixed Mobile Convergence	Mr Girish Dave, Huawei
2.	NGN – Experiences and future plans	Mr. TV Ramachandran/Mr Vikas Grover, Vodafone
3.		Ms. Ruza Sabanovic, Uninor
4.		Mr. Rakesh Kumar, Bharti Airtel
5.		Mr. N.K. Gupta, BSNL
<b>1630–1645</b>		<b>Tea Break</b>
<b>1645-1730</b>	<b>Closing session</b>	