



# ITU-TRAI International Training Program 2017

## Collaborative Regulation for Digital Societies

23-25 August 2017  
New Delhi, India



Supported by



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Department of Communications and the Arts

Day 1: Wednesday 23 August		Day 2: Thursday 24 August		Day 3: Friday 25 August	
8.30 – 9.00	TEA/COFFEE	TEA/COFFEE	TEA/COFFEE	TEA/COFFEE	TEA/COFFEE
9.00 – 10.30	<b>Welcome: TRAI/ITU</b> <ul style="list-style-type: none"> <li>Welcome address- Secretary TRAI</li> <li>Keynote address - Mr. R.S. Sharma, Chairman, TRAI</li> <li>Special Address - Mr. Sameer Sharma, Senior Advisor, ITU Regional Office, Asia-Pacific</li> <li>Inaugural address - Justice Shiva Kirti Singh, Chairman TDSAT</li> <li>ICT Development and Regulatory Trends - Mr. Sameer Sharma, ITU</li> </ul> <b>Group Photograph</b>	<b>Collaborative Regulation</b> <ul style="list-style-type: none"> <li>Digital Financial Services – Mr. S.K. Mishra, Pr. Advisor TRAI</li> <li>E-education - Mr. N Parameswaran, Senior Consultant, MHRD</li> <li>E-Agriculture Harnessing ICT for financial inclusion – Mr. Sudhanshu Jain, Centre for Agriculture and biosciences International – South Asia</li> <li>Competition issues in Telecom Service - Mr. Kaushal Kishore, Advisor TRAI</li> </ul>	<b>Consumer Protection &amp; Quality of Service</b> <ul style="list-style-type: none"> <li>Consumer Protection in a collaborative economy – from telecommunications to broadcasting to other sectors – Mr. Sanjeet Singh, Advisor TRAI</li> <li>Quality of Service Monitoring in India – Mr. Asit Kadayan, Advisor TRAI</li> <li>Emerging issues for consumers for online services - TBD</li> </ul>		
10.30 – 11.00	MORNING TEA	MORNING TEA	MORNING TEA	MORNING TEA	MORNING TEA
11.00 – 12.30	<b>Regulatory approaches for Smart Societies</b> <ul style="list-style-type: none"> <li>Smart Cities – Mr. Neelesh Kelkar, Indus Towers</li> <li>Cloud Computing – Mr. Sunil Bajpai, Pr. Advisor TRAI</li> <li>Net Neutrality / OTT – Mr. Asit Kadayan, Advisor TRAI</li> <li>Green Telecom - Mr. Manoj Singh, Chief of Technology, Indus Towers</li> </ul>	<b>National Broadband Plan: Strategies, design and implementation</b> <ul style="list-style-type: none"> <li>Status of NBP in Asia-Pacific – Mr. Sameer Sharma, ITU</li> <li>Digital India – Mr. Premjit Lal, Director, Infra &amp; e-Services, NeGD</li> <li>Infrastructure / Services roll out – Mr. Deepak Chanduka, CGM, BBNL</li> <li>Nationwide interoperable public Wifi – Mr. Arvind Kumar, Advisor TRAI</li> </ul>	<b>Building Trust in Digital World</b> <ul style="list-style-type: none"> <li>Digital Infrastructure – Mr. Rajesh Sharma, Director (Capacity Building ) NeGD</li> <li>Digital Identifiers – Mr. Ashok Kumar, ADG UIDAI</li> <li>Trust, Privacy &amp; Security – Mr. P.K. Singh, Director (Security) DoT</li> </ul>		
12.30 – 14.00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
14.00 – 15.30	<b>Converged Licensing Regime:</b> <ul style="list-style-type: none"> <li>Licensing Broadcasting Sector - Mr. Manoj Kumar Pingua, Jt. Secretary (B-1), MIB</li> <li>Unified licensing – Mr. Sanjeev Banzal, Advisor TRAI</li> <li>Liberalized Spectrum - Mr. U.K. Srivastava, Pr. Advisor TRAI</li> </ul>	<b>Spectrum Planning and Management : Strategies for 5G and beyond</b> <ul style="list-style-type: none"> <li>Bands for IMT 2020 – Mr. Bharat Bhatia, Motorola Solutions</li> <li>Spectrum Auction Methodology, Mr. Manish Mathur, M- junction</li> <li>Digital Dividend &amp; Spectrum re-farming - Mr. Jitendra Singh, Qualcomm</li> <li>Spectrum Pricing options and methodologies – Mr. S.K. Mishra, Pr. Advisor TRAI</li> </ul>	<b>IOT/ M2M Communications</b> <ul style="list-style-type: none"> <li>Standardisation and Inter-operability – Mr. Vipin Tyagi, EDR C-DOT</li> <li>Regulatory framework – Mr. Sanjeev Banzal, Advisor TRAI</li> <li>QoS, Privacy and security - Mr. Sharad Arora, Sensorise</li> <li>IoT Technologies and use cases - Mr. Radhey Shyam Sarda, Huawei</li> </ul>		
15.30 – 16.00	AFTERNOON TEA	AFTERNOON TEA	AFTERNOON TEA	AFTERNOON TEA	AFTERNOON TEA
16.00 – 17.00	<b>Converged Licensing Regime: Broadcasting</b> <ul style="list-style-type: none"> <li>Regulating Broadcasting Sector – Mr. S.K. Gupta, Pr. Advisor TRAI</li> <li>Digitization of Cable TV – Mr. Ashish Bhatia, Head Broadband Business, Siti Cable</li> <li>Digital Terrestrial Television Broadcasting (DTTB) – Ms. Supriya Sahu, Director General, Doordarshan</li> </ul>	<b>Infrastructure Sharing</b> <ul style="list-style-type: none"> <li>Int'l best practices in telecom infrastructure sharing – Mr. T.R. Dua, Director General – TAIPA</li> <li>Telecom Infrastructure in Indian subcontinent – Mr. Umang Das, Chief Mentor-ATC Towers</li> <li>Role of Infrastructure sharing in Digital India – Mr. D.S. Rawat, CEO Bharti Infratel</li> </ul>	<b>Panel Discussion</b> Collaborative regulation & Summing up  <b>Closing Ceremony</b>		