



ITU-APT Foundation of India

**ITU-APT FOUNDATION OF INDIA**  
**FIRST INDIA 5G/IMT-2020 SPECTRUM & TECHNOLOGY WORKSHOP**  
**16<sup>th</sup> March 2017**  
**Hotel Imperial, New Delhi**

08:30 – 09:30

Welcome Coffee & Registration

09:30 – 10:15

**Inaugural Session: Welcome - Setting the Theme**

- Opening and welcome: Shri T.R. Dua – Chairman ITU-APT Foundation of India
- Keynote Address: Mr. Bharat Bhatia President , ITU-APT Foundation of India
- Keynote Presentation : Mr. Jan Farjh, Ericsson (Vice President, Standards & Industry Initiatives)
- Address by the guest of Honor -Mr. Anil Kaushal, Member, TRAI\*
- Inaugural Address : Mr. GK Upadhyay, Member(T), Telecom commission\*
- Vote of Thanks: Mr. Anil Prakash, Secretary General , ITU-APT Foundation of India

10:15-11:30

**Spectrum Session: Providing the spectrum to fuel the 5G eco-system**

In order for 5G to realize its potential, it is crucial that sufficient spectrum is made available in the appropriate frequency bands. While WRC-19 will consider identification of new frequency bands above 24 GHz for IMT, current sub 6 GHz bands will also be used for 5G at appropriate timing. India also extended its support for 600 MHz band at WRC-15. Against the backdrop of the outcomes of WRC-15, this session will look at various 5G bands below and above 6 GHz, and in particular the bands 26 GHz and 28+42 GHz, that have been proposed for ITU studies and identification at WRC-19. In addition, there are activities in 26 and 28 GHz bands, for early 5G implementation prior to WRC-19 that should be addressed in the Indian NFAP framework.

**Session Chairman: Mr. V V Singh, Wireless Advisor to the Govt. of India\***

- Opening Address: Mr. V V Singh Wireless Advisor to the Govt. of India\*
- Keynote Presentation: Dr. Hakan Ohlsen, Director, Spectrum and Radio Technology Strategy, Ericsson
- Keynote Presentations: Mr. Joe Guan, GSMA
- Keynote Presentation: Mr. Vikram Tiwathia , Associate DG, COAI



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11.30 – 11.45

Networking Tea

11.45 – 12.30

### **Technology and Devices Session: Technology and device Roadmap for IMT2020**

ITU and 3GPP have initiated detailed work towards the next generation mobile technology for 2020 and beyond (i.e., “5G”) including agreement on a work plan through year 2020 to address constituent parts of “5G” as parts of IMT-2020 and have established the foundation work such as technology perspectives and future vision and are now working on a more detailed definition of the technology, performance requirements and evaluation criteria

**Session Chairman: Mr. DP De, Sr. DDG TEC**

- Opening Address: Overview of Indian Mobile scenario and 5G roadmap: Sr. DDG TEC
- Keynote Presentation: 5G Device Roadmap - TBD QUALCOMM
- Keynote Presentations: India 5G technology roadmap- Dr. Radhakrishna Ganti, Asst. Professor, Dept. of Electrical Engineering, IIT Madras.

12.30-13.30

### **Panel Discussion with focus on conclusions of the workshop and next steps.**

**Panel discussion** moderated by Bharat Bhatia President ITU-APT Foundation of India

- Mr. T V Ramachandran- President, Broadband India Forum
- Mr. Pawan Garg, former Wireless Advisor to the Govt. of India
- Mr. Parag Kar, Qualcomm
- Mr. U.K. Srivastava, Principal Advisor, NSN, TRAI
- Mr. Manoj K Misra, Vodafone
- Mr. Hakan Ohlsen, Ericsson

13.30 Onwards

**Networking Lunch**