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|  | ASIA-PACIFIC TELECOMMUNITY**Concept Note:** **The South Asian Telecommunication Regulators’ Council (SATRC) Workshop on Spectrum** 16 – 18 August, Islamabad, Pakistan |  |

**Background**

The 17th Meeting of the South Asian Telecommunication Regulators’ Council (SATRC-17) held in Dhaka, Bangladesh from 4 to 6 October 2016 approved the SATRC Action Plan Phase VI for the implementation period of 2017-2018. SATRC Action Plan consists of three basic activities: working groups, capacity building and web portal. SATRC Workshops are held as part of activities under capacity building with the objective of developing the capacity of human resources of the regulators of SATRC Members.

Four work items were identified for the activities of SATRC in relation to spectrum management during the implementation of SATRC Action Plan Phase VI:

* 1. Developing spectrum roadmap in SATRC countries for future mobile broadband
	2. Spectrum management for the deployment of Internet of Things (IoT)
	3. Proliferation of Wi-Fi network in SATRC
	4. Wireless backhaul – Spectrum, technology and policy considerations

**Objectives**

The SATRC Workshop on Spectrum will be held as part of implementation of SATRC Action Plan Phase VI. The objective of the workshop will be to give an in-depth analysis on the above work items to increase the understanding of the officers who are involved in spectrum management It will give an opportunity for the SATRC Members to share their experiences and future plan on spectrum management. In addition to those work items, the workshop will also provide knowledge on the process of World Radiocommunications Conferences (WRCs) and the issues for the preparation of WRC-19. Further, a short tutorial session will be organized on APT Frequency Information System (AFIS). A number of eminent experts and speakers will be invited to conduct the workshop.

**Expected Participation**

The SATRC Workshop on Spectrum will be targeted for junior and mid-level officers of the SATRC Members who are involved in the work of spectrum management. It is expected that the experts of the SATRC Working Group on Spectrum will also attend the workshop. Further, relevant experts from industry are also welcome to participate at the workshop.

**Expected outcomes**

* Enhanced understanding of the SATRC Members on above mentioned work items on Spectrum Management
* Discussion will provide guideline to SATRC Working Group on Spectrum to develop tangible outcomes on the work items during the implementation of SATRC Plan Phase VI.

**Timing and location**

16 – 18 July 2017, Islamabad, Pakistan

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**Tentative Draft Programme**

Annex A

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**Tentative Draft Programme**

**SATRC Workshop on Spectrum**

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| **Time** | **Day 1: 16 August 2017** |
| 09:30 – 10:00 | **Opening** * Welcome Address by Ms. Areewan Haorangsi, Secretary General, Asia-Pacific Telecommunity
* Inaugural Address by Dr. Syed Ismail Shah, Chairman, Pakistan Telecommunication Authority (PTA)

(Group Photograph) |
| 10:00 – 10:30 | **Coffee/Tea Break** |
| 10:30 - 12:15 | **Session 1 – *Reviewing the activities of SATRC WG on Spectrum**** SATRC Action Plan Phase VI and activities of the SATRC WG on Spectrum
* Activities of APT in relation to Spectrum Management
* Sharing the experiences and practices on spectrum Management by SATRC Members
 |
| 12:15 – 14:00 | **Lunch Break** |
| 14:00 – 15:30 | **Session 2 –** ***Developing Spectrum Roadmap for Mobile Broadband*** * Key bands for consideration for 4G and 5G
* Update of APT700 Band Plan
* Migration of GSM to Mobile Broadband IMT Systems
 |
| 15:30 – 15:45 | **Coffee Break** |
| 15:45 – 17:15 | **Session 3 – *Developing Spectrum Roadmap for Mobile Broadband (Continue..)**** Existing practices in SATRC countries for allocating frequency spectrum for mobile broadband
* Some examples of spectrum roadmap for mobile broadband in Asia-Pacific and other parts of the world
* The process of developing spectrum roadmap
 |
| **Time** | **Day 2: 17 August 2017** |
| 9:00 – 10:30 | **Session 4 – *Spectrum Management for the Deployment of Internet of Things (IoT)**** Technologies and standards for IoT
* IoT deployment in terrestrial IMT Network
 |
| 10:30 – 10:45 | **Coffee** **Break** |
| 10:45 - 12:15 | **Session 5 – *Spectrum Management for the Deployment of Internet of Things (IoT)**** IoT deployment as Short Range Devices
* Spectrum management issues for the deployment of IoT
 |
| 12:15 – 14:00 | **Lunch Break** |
| 14:00 – 15:30 | **Session 6** ***– Proliferation of Wi-Fi Networks**** Detail consideration of the Wi-Fi networks including various standards, security features and importance
* Future considerations and requirements for Wi-Fi networks
 |
| 15:30 – 15:45 | **Coffee/Tea Break** |
| 15:45 – 17:15 | **Session 7** – ***Wireless Backhaul – Spectrum, Technology and Policy Considerations**** The fundamental of wireless backhaul
* Spectrum bands, technology and policy considerations in the context of delivering high capacity in 5G era
 |
| **Time** | **Day 3: 18 August 2017** |
| 9:00 - 10:30 | **Session 8** – ***The Process of World Radiocommunication Conference and preparation for WRC-19*** * The process of World Radiocommunication Conferences (WRCs)
* Issues to be considered at the WRC-19
 |
| 10:30 – 10:45 | **Coffee/Tea Break** |
| 10:45 - 12:15 | **Session 9** – ***Tutorial Session on APT Frequency Information System (AFIS)**** Detail demonstration of AFIS
 |
| 12:15 – 12:45 | **Session 10** – ***Summary of Conclusions and Closing**** Summary of the sessions
* Closing
 |
| 12:45 – 14:00 | **Lunch Break** |
| 14:00 – 17:00 | **Field Visit Organized by PTA** |