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| **ITU Centres of Excellence Network for Asia and the Pacific**  **State Radio Monitoring Center - China**  **Training on**  **SPECTRUM MANAGEMENT & MONITORING**  **Chengdu, China (Peoples Republic of)**  **16 – 21 May 2016**  **TRAINING OUTLINE** |

**COURSE DESCRIPTION**

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| **Title** | ITU Asia-Pacific CoE Training Program on Spectrum Management and Monitoring |
| **Method of delivery** | Face-to-face |
| **Objectives** | * Understand the process and approaches to national spectrum management and monitoring issues. viz a viz the international developments and the outputs of [*WRC-15*](https://staging.itu.int/en/ITU-R/conferences/wrc/2015/Pages/default.aspx) and [*RA-15*](https://staging.itu.int/en/ITU-R/conferences/RA/2015/Pages/default.aspx) * Identify, evaluate and select the appropriate technologies to establish and operate national spectrum monitoring network. * Understand the appropriate principles and policies of an effective management of radio transmission equipment. * Understand the procedures of spectrum monitoring activities in special cases. |
| **Dates** | 16 -21 May 2016 |
| **Registration deadline** | 8th April 2016 |
| **Training fees** | Free of cost. No tuition charge for this training course however participant are expected to cover their travel, accommodation and other personal expenses during the period of the course. The price of hotel in Chengdu start at $50 to $150 per night. |

**LEARNING OUTCOMES**

This course covers the core functions of the spectrum Management and monitoring and is therefore targeted towards the staff of National RF Monitoring / Spectrum Management agencies. Starting with the principles of spectrum Management and the outcomes of international activities, the course takes a deep dive into topics such as Monitoring network development, working procedures and participation in the major events. The training also provides an empowering learning environment through a combination of lectures and visit to the manufactory and operator focused on sharing information with the participants how to manage and operate the national spectrum management and monitoring issues.

**TARGET POPULATION**

This training is designed to address mid to senior level management from policy makers, regulators, corporate executives and managers responsible for Spectrum Management and Monitoring and covers both theoretical and practical issues.

**TUTORS/INSTRUCTORS**

The detailed profile of the instructors can be accessed from the event webpage at:

[www.itu.int/en/ITU-D/Regional-Presence/AsiaPacific/Pages/Events/2016/May-SMM-SRMC/main.aspx](http://www.itu.int/en/ITU-D/Regional-Presence/AsiaPacific/Pages/Events/2016/May-SMM-SRMC/main.aspx)

**EVALUATION**

The overall assessment is made up of four components. Two are based on the participants’ performance through administered tests and examinations, and the other two are based on the trainer’s evaluation of the participant.

1. **Participation** – The trainer allocates marks based on the participants’ level of involvement in group work and spontaneous quizzes during the course of the training. This component provides 35% towards the learner’s overall score.
2. **Attendance** - The trainer awards marks based on the rate at which the participant shows up in class based on the requirements of the course. This component provides 15% towards the overall score.
3. **Exam** - The exam is the final assessment of knowledge gained during the training. For this reason, it contributes the highest percentage of 50% to the overall score.

**The overall pass mark to be attained by participants is set at 60%.**

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| **Scores** | | | **Weighted Scores** | | | |
| **Participation**  **(Group work and Quiz)** | **Attendance** | **Exam** | **Participation + Quiz**  **(35%)** | **Attendance**  **(15%)** | **Final Exam**  **(50%)** | **Total Score** |

**TRAINING SCHEDULE AND CONTENTS / AGENDA**

**DRAFT PROGRAM**

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| Day 1 Opening and Issues on Spectrum Management  16 May, Monday | | | | |
| 08:00-09:00 | BREAKFAST | | | |
| 09:30-10:15 | Opening Remark | | Dr. Jingchun Li,  Deputy Director-General and CTO of SRMC | |
| 10:15-10:45 | GROUP PHOTO and COFFEE BREAK | | | |
| 10:45-12:00 | Spectrum monitoring in China | | Dr. Jingchun LI, SRMC | |
| 12:00-14:00 | LUNCH | | | |
| 14:00-15:00 | National spectrum management | | Mr. Aamir Riaz, ITU | |
| 15:00-15:45 | The outcome of RA-15, WRC-15 and CPM-19 | | Mr. Aamir Riaz, ITU | |
| 15:45-16:15 | COFFEE BREAK | | | |
| 16:15-17:30 | Introduction of study activities in ITU-R SG 1 and BDT Res 9 | Mr. Aamir Riaz, ITU  Ms. Chao LUO, SRMC | | |
| 18:00-19:30 | WELCOME BANQUET | | | |
| Day 2 Strategy and Development of National Spectrum Monitoring capacity  17 May, Tuesday | | | | |
| 08:00-09:00 | BREAKFAST | | | |
| 09:00-10:15 | Case study of radio interference and monitoring activities | | Mr. Anping LI, SRMC | |
| 10:15-10:45 | COFFEE BREAK | | | |
| 10:45-12:15 | Trends of spectrum management and monitoring | | Mr. Aamir Riaz, ITU  Dr. Liang CHANG, SRMC | |
| 12:15-14:00 | LUNCH | | | |
| 14:00-15:15 | Planning and Construction of VHF/UHF Radio Monitoring Network | | Mr. Lian FEI, Huari | |
| 15:20-16:00 | Quiz | | Mr. Zhuoran LIU, SRMC | |
| 16:00-16:30 | COFFEE BREAK | | | |
| 16:30-17:30 | Group discussion and know-how exchange (1) | | Mr. Aamir Riaz, ITU  Mr. Zhuoran LIU, SRMC | |
| 18:00-19:00 | DINNER | | | |
| Day 3 Visit Spectrum Monitoring Facility and Fox Hunting  18 May, Wednesday | | | | |
| 07:00-08:00 | BREAKFAST | | | |
| 08:00-09:00 | Pick-up and transport to Chengdu Radio Monitoring Station, SRMC | | | |
| 09:00-10:40 | Visit Chengdu Radio Monitoring Station | | | |
| 10:40-11:00 | COFFEE BREAK | | | |
| 11:00-12:30 | Visit the exhibition and discussion | | | |
| 12:30-14:00 | LUNCH | | | |
| 14:00-17:30 | Fox hunting | | | |
| 17:30-18:30 | Return to Hotel | | | |
| 18:30-19:30 | DINNER | | | |
| Day 4 Management of Radio Transmission Equipment and Interaction with the Industry  19 May, Thursday | | | | |
| 08:00-09:00 | BREAKFAST | | | |
| 09:00-10:15 | Radio equipment regulatory certification | | | Mr. Zhen PENG, SRTC |
| 10:15-10:45 | COFFEE BREAK | | | |
| 10:45-12:00 | Radio transmission equipment testing in China | | | Mr. Mingyuan ZHANG, SRTC |
| 12:00-14:00 | LUNCH | | | |
| 14:00-14:40 | Pick-up and transport to Huari Technologies | | | |
| 14:40-17:20 | Field visit - spectrum monitoring system manufactory | | | |
| 17:20-18:00 | Return to Hotel | | | |
| 18:00-19:00 | DINNER | | | |
| Day 5 20 May, Friday | | | | |
| 07:30-08:30 | BREAKFAST | | | |
| 08:30-09:45 | Radio regulation in China | | Dr. Feibo XIE,  Director-General of Bureau of Radio Regulation, MIIT | |
| 09:45-10:15 | COFFEE BREAK | | | |
| 10:15-12:15 | Examination | | Mr. Zhuoran LIU, SRMC | |
| 12:15-14:00 | LUNCH | | | |
| 14:00-15:30 | Group discussion and know-how exchange (2) | | Mr. Aamir Riaz, ITU  Mr. Zhuoran LIU, SRMC | |
| 15:30-16:00 | COFFEE BREAK | | | |
| 16:00-17:00 | Closing Session, Distribution of Class Evaluation | | Dr. Jingchun LI, SRMC | |
| 17:00-19:00 | Closing Banquet | | | |
| Day 6 21 May, Friday | | | | |
| All day | Culture Visit | | | |

**METHODOLOGY**

The training will include Instructor-led presentations, case studies, group exercises, study visits (as per the program above), and evaluations.

All training materials would be provided to the participants at least in soft form.

**TRAINING COORDINATION**

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| **SRMC Focal point:**   1. Ms. Yu Yali   SRMC Beijing, China  Tel: +86 10 6800 9053  Fax: +86 10 6800 9299  E-mail: [yuyali@srrc.org.cn](mailto:yuyali@srrc.org.cn)   1. Ms. Wang Zhixia   SRMC Beijing, China  Tel: +86 10 6800 9051  Fax: +86 10 6800 9299  E-mail: [wangzx@oetsi.com](mailto:wangzx@oetsi.com) | **ITU coordinator:**  Mr. Aamir Riaz  Tel. +62 21 380 2321 / 380 2324  Fax +62 21 3890 5521  E-mail: [aamir.riaz@itu.int](mailto:aamir.riaz@itu.int) |

**Other information**

**Location**: Chengdu - People’s Republic of China (*for exact location kindly visit the event webpage which would be updated regularly*)

**Number of trainees from outside China**: not more than 30

**Language of instruction**: English

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