|  |  |  |
| --- | --- | --- |
|  |  |  |

**Annex 1**

**TRAINING OUTLINE**

|  |
| --- |
| ITU Asia-Pacific Centre of Excellence Programme **“Wireless Broadband Roadmap Development”**06-09 August 2016Tehran, Islamic Republic of Iran |

**COURSE DESCRIPTION**

|  |  |
| --- | --- |
| Title  | **Wireless Broadband Roadmap Development** |
| Method of delivery | Face-to-face  |
| Objectives | * To build knowledge of policy makers, regulators and telecom operators in the areas of wireless broadband ecosystem.
* To provide information on wireless broadband policy & regulation, standards and technology.
* To build skills on how to develop a roadmap for wireless broadband.
 |
| Dates | 06 – 09 August 2016 |
| Duration | Four days |
| Registration deadline | 1 July 2016 |
| Training fees | Free with support from Ministry of ICT (Iran) and ALTTC |
| Course code | **16DL17098ASP-E** |

**LEARNING OUTCOMES**

Upon completion of this training, participants will be able to

* Understand what are the key policies, regulations, spectrum, technologies and standards driving wireless broadband.
* Acquire skills for developing wireless broadband roadmap in the country.

**TARGET POPULATION**

Staff from policy makers, regulators, telecom operators, and academia responsible for wireless broadband.

**FACILITATOR/EXPERTS**

The experts for the training include experts invited by ITU, ALTTC and MICT (Iran). The details will be available at the course website.

**EVALUATION**

The assessment of the participants shall be based on the - time spent on the training and the following parameters:

|  |  |
| --- | --- |
| Evaluation Parameter | Weightage ( in %) |
| Quizzes and presentations | 60 % |
| Attendance  | 10 % |
| Participation | 30 % |

The minimum passing requirement for certificate is 60%.

**DRAFT TRAINING SCHEDULE AND CONTENTS / AGENDA**

**(Updated information will be available at** [**http://www.itu.int/itu-d/asp**](http://www.itu.int/itu-d/asp)**)**

|  |
| --- |
|  DRAFT AGENDA  |
|  |
|  **06 August 2016 (Day-1)**  |

|  |  |
| --- | --- |
| 0800-0900 | **REGISTRATION** |
| 0900-1030 | **Opening Session:** Welcome Address* ITU
* ALTTC

Opening Address* MICT (I.R. Iran)

Group Photo  |
| 1030 – 1115 | **Session 1: Where are we now: Wireless Broadband Ecosystem**Objective: To provide an overview of wireless broadband ecosystem including drivers, policy, regulations, business, technology others.  |
| 1115-1145 | **Coffee Break** |
| 1145 – 1230 | **Session 2:  Wireless Broadband – Technology and Standards** Objective: To provide an overview of various technologies and standards driving wireless broadband including 3G, 4G and 5G (IMT 2000 and IMT 2020) |
| 1230-14:00 | **LUNCH** |
| 14:00-15:00 | **Session 3: WRC-15 Outcome and update**Objective: To provide an understanding of WRC-15 outcome and update with special relevance to wireless broadband.  |
| 1500-1530 | **Coffee Break** |
| 1530-1700 | **Session 4: Working Group Exercise**Objective: To develop a national broadband wireless roadmap based on study undertaken by the ITU. |

|  |
| --- |
|  07 August 2016 (Day-2)  |

|  |  |
| --- | --- |
| 0930-1030 | **Session 6: Spectrum Planning for Wireless Broadband**Objective: To recap fundamental technical information about spectrum engineering, spectrum forecasting and spectrum planning. |
| 1030-1100 | COFEE BREAK |
| 1100-1230 | **Session 7: Spectrum forecasting – hands on exercise**Objective: To understand the technique for forecasting spectrum requirements using a working group exercise. |
| 1230-1400 | LUNCH BREAK |
| 1400-1530 | **Session 8: Wireless Broadband Policy Case Studies**Objective: To share experiences on wireless broadband. |
| 1530-1600 | COFEE BREAK |
| 1600-1700 | **Session 9: Wireless broadband – Network migration strategies** Objective: An overview of network migration strategies for wireless broadband services.  |
| 1700-1730 | **QUIZ 1** |
|  |  |

|  |
| --- |
|  08 August 2016 (Day-3)  |

|  |  |
| --- | --- |
| 0900-1030 | **Session 10: Developing e-application strategies** Objective: To understand how countries can develop e-application strategies e.g. e-health, e-agriculture, which is critical for wireless broadband demand with case study?  |
| 1030-1100 | COFEE BREAK |
| 1100-1230 | **Session 11: Conformance and Interoperability of technologies**Objective: To look at some of the challenges that relate to conformation and interoperability of networks in broadband environment and how can the challenges be addressed. |
| 1230-1400 | LUNCH BREAK |
| 1400-1530 | **Session 12: Working group exercise: Developing Wireless Broadband Roadmap**Objective: To develop a wireless broadband roadmap based as part of working group exercise.  |
| 1530-1600 | COFEE BREAK |
| 1600-1700 | **Session 13: Working group exercise: Developing Wireless Broadband Roadmap**Objective: To develop a wireless broadband roadmap based as part of working group exercise |
| 1700-1730 | **QUIZ 2** |
|  |  |

|  |
| --- |
|  09 August 2016 (Day-4)  |

|  |  |
| --- | --- |
| 0900-1130 | **Session 14: Wireless Broadband roadmap – Working Group Presentations**Objective: To present the wireless broadband roadmap developed by working groups in Session 12 and Session 13. |
| 1130-1200 | CLOSING |
| 1200-1300 | LUNCH |
| 1300-1800  | FIELD VISIT |
|  |  |

**METHODOLOGY**

The face-to-face programs will include

* + Instructor-led presentations,
	+ Case studies,
	+ Group exercises

**TRAINING COORDINATION**

|  |
| --- |
| **ITU coordinator:**Mr. Ashish Narayan,Program Co-ordinator, ITU Regional Office for Asia & the Pacific, 5th Floor, Thailand Post Training Centre,111Moo3 Chaengwattana Road, Laksi, Bangkok 10210,ThailandTel: +66 257 500 55, FAX: +66 257 535 07 Email: ashish.narayan@itu.int **Faculty of ICT-Ministry of ICT, I.R. Iran coordinator:**Mr. Hassan Pashaeizad Fax: +98 21 44658745 E-mail: pashaey@gmail.com; pashaei@ictfaculty.ir |

**REGISTRATION**

Registration for this program should be made by completing the attached registration form (Annex 2)