ITU-GSMA 5G Capacity Building Training programme

Dubai, UAE 26-27 August 2019

Course Overview

The mobile industry is preparing to embark on the transition to fifth generation (5G) technology, which will build on the achievements of 4G while also creating new opportunities for innovation. It is important that both regulators and industry have a roadmap towards the common goal of connectivity that becomes increasingly fluid and flexible. Recognizing the importance of co-existence of technologies, with each having its purpose and contribution towards inclusive connectivity, this course covers the key aspects of 5G technology and examines the role governments and regulators can play in helping unlock the benefits of future 5G services for their citizens.

Course Objectives

• Learn about the underlying technologies and concepts associated with 5G.
• Discover the key differences between 5G and previous generations of mobile technology.
• Understand how governments and regulators can help accelerate the development of 5G technology and services in their countries.

Eligibility to participate

This UKTA accredited course, offered through the ITU-GSMA capacity building exercise, is exclusively available free of charge to regulators, policymakers, government and ministerial officials of the regional ITU member states.

Course Instructor:

The course will be delivered by Mr. Michele Zarri, Technical Director of Networks at the GSMA, who works on advanced technologies and 5G. Michele graduated in telecommunications engineering at University of Pisa (Italy) and completed his studies at King's College of London (UK). Prior joining the GSMA Michele worked for Deutsche Telekom where he accrued more than 15 years of experience in standardization of mobile technologies. Michele served as Chairman of working groups both in 3GPP and GSMA.

08:30 – 9:00	**Registration**
9:00 – 9:30	**Welcome Remarks:** - Eng. Ebrahim ALHADDAD, Regional Director, ITU Arab Regional Office - Mr. Michele Zarri, Technical Director of Networks, Technology at the GSMA
9:30 – 9:50	**Introducing the 5G Era**
10:00 – 11:00	**The Development of Mobile Technology** - What is 5G? - The roadmap to 5G: how to leverage 3G and 4G towards inclusive connectivity
11:00 – 11:15	**Break**
11:15 – 12:30	**The Global Status of 5G and Forecasts for Future Growth** - 5G business models
12:30 – 13:30	**Lunch**
13:30 – 14:45	**Initial Use Cases** • Enhanced Mobile Broadband • Fixed Wireless Access
14:45 – 15:00	**Break**
15:00 – 16:00	**New Use Cases** • Internet of Things • Ultra-Reliable Low-Latency Communication
16:00 – 17:00	**Q & A**

Day 2 - 27th August 2019

9:30 – 9:50	**Review of Day 1**
09:50 – 11:00	**Spectrum and RF-EMF** • The global status of spectrum for 5G • 5G and RF-EMF
11:00 – 11:15	**Break**
11:15 – 12:30	**The Capacity Challenge**
12:30 – 13:30	**Lunch**
13:30 – 15:00	**2G/3G Rationalization**
15:00 – 16:00	**Group Discussion and Q & A**
16:30	**Feedback Completion and Certificate Ceremony**