**Telecommunication
Development Bureau (BDT)**

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Administrations of ITU Member States,
Regulators, ITU-D Sector Members and
Academia Members from Europe

Subject: **ITU Centres of Excellence online training course on "Wireless Access Technologies
to Internet Network", 8-15 April 2019**

Dear Sir/Madam,

I am pleased to invite your organization to participate in the online training course on **"Wireless Access
Technologies to Internet Network"** to be conducted **from 8 to 15 April 2019**. This training is organized
jointly by the International Telecommunication Union and the National Institute of Telecommunications of
Poland as part of the Wireless & Fixed Broadband programme under the auspices of the ITU Centres of
Excellence for Europe. The training will be delivered in English through the ITU Academy platform.

The course aims at presenting the key aspects of the latest wireless access technologies, in particular
Internet and IP protocol. "All Over IP" is the concept that can be considered in the context of almost all
today's telecommunications services. Current users wish to have access to any telecommunications
services, from any place and at any moment. That's why mobility and wireless access to Internet plays such
an important role.

After the course participants should have gained an understanding of the key aspects of:
- Wireless and mobile Internet fundamentals;
- 4G access technologies by 3GPP: LTE/LTE-advanced;
- Evolved Packet Core (EPC) for mobile Internet network;
- 4G access technologies by IEEE: Mobile WiMAX;
- WiFi access technologies: IEEE 802.11n/ac/ad;
- QoS in wireless and mobile networks;
- 4G mobile VoIP and mobile IPTV;
- OTT (Over-The-Top) broadband Internet services in wireless and mobile networks;
- QoS assessment and QoS parameters for mobile services;
- Regulatory and business aspects for wireless and mobile broadband access to Internet.

Detailed information on this training course is described in the course outline which can be downloaded
from the ITU Academy portal at the following link: https://academy.itu.int/.

The course is targeted at corporate executives and managers, policy makers, regulators, i.e. middle-level
managers, administrators, officials and engineers dealing with planning, developing, implementing and
managing current and future telecom networks.

Registration should be made online at the aforementioned link no later than **8 April 2019**. Payment details are specified in the course outline.

Mr. Jaroslaw Ponder, Head of the ITU Office for Europe (eurregion@itu.int) is at your full disposal should you require any information.

We look forward to your active participation in this training course.

Yours faithfully,

[Original signed]

Doreen Bogdan-Martin
Director