



ITU Academy Training Centres

National Institute of Telecommunications

Face-to-Face Training Course on

5G-Advanced mobile broadband and future services

Szachowa 1, 04-894 Warsaw, Poland

26-27 October 2023

INFORMATION NOTE

1. INTRODUCTION

This course will focus on 5G-Advanced Mobile Broadband and Future Services, including technologies, regulation and business aspects. It will cover mobile broadband evolution, from IMT-Advanced (4G) to IMT-2020 (5G) and IMT-2030 (6G). The course will include 5G New Radio (NR) and 5G Core Network with 5G-Advanced enhancements. Further, it will focus on 5G/5G-Advanced services including enhanced mobile broadband (eMBB), massive IoT (mMTC), critical IoT (URLLC), and Vehicle-to-everything (V2X), then deployment of 5G/5G-Advanced networks by given QoS/QoE indicators, Integrated Access and Backhaul (IAB), and edge clouds, as well as 5G-Advanced spectrum management and regulation. The course will also include 5G-Advanced enhancements including mobility enhancements, multicast and broadcast evolution, boundless XR (eXtended Reality), RedCap (Reduced Capability) Internet of Things and UAV (Unmanned Aerial Vehicles). It will also include Artificial Intelligence (AI) / Machine Learning (ML) use cases in 5G-Advanced telecom networks, as well as 5G-Advanced NTN (Non-Terrestrial Network) / Satellite networks for future IoT services. Finally the course will cover 5G-Advanced business and regulatory aspects including 5G-Advanced services vs. Internet network neutrality, as well as developments towards future 6G mobile networks and services, IMT-2030 and beyond.

2. VENUE OF THE TRAINING

National Institute of Telecommunications (Instytut Łączności)
Szachowa str. 1, 04-894 Warsaw, Poland
Conference room 756

3. COORDINATORS

INSTITUTE COORDINATOR

Name: Dr Sylwester Laskowski
Phone: (+48) 22 51 28 230
Email address: s.laskowski@il-pib.pl

ITU COORDINATOR

Name: Célia Pellet
Email address: Celia.Pellet@itu.int

4. REGISTRATION

Registration is to be made online at:

Registration at the training venue will be possible from 9:00 to 10:00 AM on the first day of the training (26 October 2023).

5. VISA FORMALITIES

Information about visa-free countries (countries, which citizens are not required to be in possession of a visa when entering Poland for less than 90 days) is available on the page:

https://en.wikipedia.org/wiki/Visa_requirements_for_European_Union_citizens

6. ACCOMMODATION

NIT does not organize hotels for participants of the training.

7. LIST OF PROPOSED HOTELS

We recommend the following list of hotels:

- **HOTEL Novotel Warszawa Centrum ******
Marszałkowska Street 94/98, Warsaw
www.novotel.com
- **HOTEL Holiday Inn Warszawa Józefów ******
Telimieny Street 1, 05-420 Jozefow
www.holiday.aquila.pl
- **HOTEL Metropol *****
Aleje Jerozolimskie 45, Warsaw www.hotelmetropol.com.pl
- **HOTEL Sobieski ******
Plac Artura Zawiszy 1, 02-025 Warsaw
www.sobieski.com.pl
- **HOTEL Boss *****
Żwanowiecka Str. 20, 04-849 Warsaw
www.hotelboss.pl

8. DETAILS OF ARRIVAL AND TRANSPORT

HOW TO GET TO THE HOTELS FROM THE AIRPORT?

- **Hotel Novotel**
Transportation from airport to Hotel Novotel: by bus no 175, hotel is localized on bus stop "Centrum"
- **Hotel Holiday Inn**
Transportation from airport to Hotel: by bus no 175 from the airport to bus stop "Centrum", next from "Centrum" to "Jozefow" by private line bus "Minibus" or "Arka"
- **Hotel Metropol**
The public bus No 175 to the airport has a bus stop in front of the hotel building.
- **Hotel Sobieski**
Transportation from airport to Hotel Sobieski: by bus no 175, hotel is localized on bus stop "Plac

Zawiszy”

- **Hotel Boss**

Transportation from airport to Hotel: by bus no 175 from the airport to bus stop “Centrum”, next from "Centrum" to "Warszawa Miedzeszyn" by private line bus "Minibus" or "Arka"

HOW TO GET TO THE TRAINING VANUE FROM THE HOTELS?

Hotel Boss is placed about 15 minutes walk from the training vanue. From Novotel, Metropol, Holiday Inn, and Sobieski Hotels participants can travel by private line bus „Minibus” or „Arka”. The closest to the NIT bus stop is called „Szachowa”.

9. CURRENCY

The currency in Poland is Polish Zloty (PLN).

1 PLN = 0,23 USD

Visa and Master Card are accepted.

Banks are typically opened from 9:00 am to 5 pm.

10. ELECTRICAL APPLIANCES

The voltage in Poland is 220 volts.

Types of electricity plugs used in Poland: C, E & F

11. LANGUAGES

The official language in Poland is Polish.

The training will be delivered in English.

12. SECURITY

There is no suggestion.

13. MEDICAL AND HEALTH

There is no any special suggestion relating the requirements for medical insurance.

Tap water is suitable for drinking.

14. WEATHER

Information about temperature in Poland can be found here:

<http://www.accuweather.com/pl/pl/warsaw/274663/november-weather/274663>

15. INTERNET

In the training venue there is a free WiFi access to the Internet Network.