EUROPEAN SECURITY AND DEFENCE COLLEGE

And

CYBER SECURITY TRAINING CENTRE OF EXCELLENCE, WARSAW, POLAND

(Eksperckie Centrum Szkolenia Cyberbezpieczeństwa)

Invitation to the course:

"Cyber Range – Defensive Capabilities"

(ESDC Activity number 23-24/212/2)

4 – 6 June 2024

The Cyber Security Training Centre of Excellence (CST CoE) under the auspices of the European Security and Defence College (ESDC) is organising the residential course, specialized at strategic-tactical-technical levels, from 4 to 6 June 2024 in Warsaw, Poland.

Digital transformation offers EU citizens the opportunity to reach out beyond historical borders and geographical locations. However, there is a number of challenges associated with cyber domain that need to be tackled in order to make cyberspace resilient to cyber threats.

In response to these challenges, European Union community has its own vision of Europe's digital future and is strongly determined to shape it successfully. Highly skilled digital professionals together with secure and sustainable digital infrastructures, according to Digital Compass[1], are defined as crucial challenges for *"The European Way for the Digital Decade".* By extension, education, exercises and training are widely seen as milestones for meeting the above mentioned expectations and needs.

In order to achieve these strategic goals, the Cyber Security Training Centre of Excellence in Warsaw (Eksperckie Centrum Szkolenia Cyberbezpieczeństwa, Warszawa) together with the European Security and Defence College, is pleased to invite officials from the EU Member States, EU Institutions and Agencies to participate in the course. This course is an activity of the ESDC's Cyber Education Training Exercise and Evaluation (ETEE) platform.

This course follows the current trend of building platforms, also known as cyber training grounds or Cyber Range (CR) platforms. Such solutions allow to simulate a wide array of cyber threats, thanks to which specialists trained in realistic conditions can develop skills required to react to a variety of incidents occurring in the cyber domain and to mitigate the consequences of attacks in cyber domain.

The aim of this course is to develop a more comprehensive approach to advanced exercises and training using new cyber defence technologies and scenarios. This course brings together civilian and military officials and will provide a better understanding of how efficient and useful competences could be gained by using CR platforms. It translates into enhanced skills of digital professionals and contribution to building cyber-resilience and strategic autonomy – a pillar of CSDP. The course will be held in English and based on the Cyber Range

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[1] Shaping Europe's future, https://digital-strategy.ec.europa.eu/en/policies/europes-digital-decade

platform. It will be the opportunity to assess and discuss the importance of CR as a virtual training environment and to share skills.

This course is addressed to mid-level to senior officials (recommended/expected with IT competences or experience) from MSs, EU Institutions and Agencies dealing with the aspects of cybersecurity and in need of understanding of the cybersecurity threats from a technical perspective. The course is scheduled to take place on the 4-6 June 2024 in residential format in Warsaw, Poland.

Paweł DZIUBA

Fergal O REGAN

Director of CST CoE

Acting Head of the ESDC

Annexes
1. Course administrative instructions
2. Programme
3. Venue « Cyber Security Training Centre of Excellence, Warsaw"
4. Additional personal information required to enter military facility

Course administrative instructions

The course will be held in English and can accommodate a maximum of 12 participants. It is open to mid-ranking to senior officials (civilian and military) from EU Member States, relevant EU institutions and agencies.

Applications from the EU Member States and institutions are to be filled out by the national ENLIST nominators via the ESDC secure registration system via the following link https://esdc.europa.eu/enlist/login, no later than 3 of May 2024.

A list of relevant ENLIST nominators can be retrieved from the ESDC website at https://esdc.europa.eu/nominators/.

The course will consist of two mandatory parts. An online part (asynchronous) will be delivered through the ESDC's e-learning platform while the live part (residential), containing lectures and exercises in lab environment, is to be held at the Cyber Security Training Centre of Excellence facilities in Warsaw.

The e-learning part will be available for those who will be selected from 6 May 2024.

The topics covered during the face-to-face sessions will be explored in an interactive manner in sessions followed by Q&As, panel discussions and group activities.

All international travel, transportation, accommodation costs during the course are to be covered by the sending authorities. It is recommended that participants arrive at Warsaw Airport on Monday, 03 June 2024. Participants should arrange their own travel and accommodation. We suggest choosing the Polonia Palace hotel, from which the training organizer provides a shuttle transport to the course venue.

The booking and preferential rates offered by the Polonia Palace hotel are valid till 20 May 2024. By this date quest can make their booking using the agreed password "*Cyber Security Training Centre of Excellence – Cyber Range*". After above mentioned date the availability of the hotel rooms and offered rates are not guaranteed. No-cost cancellation will be possible up to 7 days before arrival. Further information will be sent to participants after registration. The dress code is business attire for both civilians and military personnel.

The format of the course is on site, residential in Warsaw. However, given the unpredictable nature of the COVID-19 pandemic and possible changes to restrictions imposed on public events and international travel in the upcoming months, the organisation of the course in a face to face format might not be possible. In that case, the course will be cancelled. Please do not book flights and accommodation before receiving the confirmatory message.

Supporting services:
- all administrative information, programmes and material will be made available to accepted participants through the ESDC's e-learning platform (ILIAS LMS).

Course points of contact

PoC at the European Security and Defence College:

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PoC at the Cyber Security Training Centre of Excellence, Warsaw, Poland:

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European Security and Defence College (ESDC)

"Cyber Range – Defensive Capabilities"

(23-24/212/2)

PROGRAMME

4 June – 6 June 2024 – Residential form

Cyber Security Training Centre of Excellence (CSTCoE)
Warsaw, Poland

(Eksperckie Centrum Szkolenia Cyberbezpieczeństwa, Warszawa, Polska)

Course Venue:
ul. gen. Sylwestra Kaliskiego 2
00-908 Warszawa 46

Director of CST CoE
Mr. Paweł DZIUBA

Course Director
Col AF Michał MAJEWSKI

Training Manager at the European Security and Defence College (ESDC)
**Training Manager for Cyber issues and for the Cyber ETEE Platform
Evangelos ENGLEZAKIS**

PoC at CST CoE
Lt Col Przemysław PLESZKUN

DAY 1	Tuesday, 04 June 2024 (CEST)
08:30 – 09:00	*Registration Welcome coffee*
09:00 – 09:50	**Course opening** • **Short presentation of CST CoE** • **Short presentation the European Security and Defence College (ESDC) and the Cyber ETEE Platform, Brussels**
09:50 – 10:10	Welcome session – introduction of instructors and participants **Informal Tour-de-Table**
10:10 – 10:30	**Introduction to the course - presentation of the course objectives. Brief overview of the competence of the team of specialists at CST CoE responsible for Cyber Range training**
10:30 – 10:45	*Coffee break*
10:45 – 12:25	**SESSION 1** **Cybersecurity basics knowlege** **Different cyber threats that can potentially affect an organization** • *Presentation*
12:25 – 13:30	**SESSION 2** **Kill Chain - explanation of the problem.** • *Demonstration*
13:30 – 13:45	**Wrap-up and closing remarks**
13:45 – 15:15	*Group photo & Lunch Break*
15:15	*Transportation to the hotel*

DAY 2	Wednesday, 05 June 2024 (CEST)
09:15 – 09:30	*Welcome coffee*
09:30 – 09:40	**Introduction to the second day of a course**
09:40 – 11:00	**SESSION 3** **Overview of the CST CoE's Cyber Range platform and its potential use. Possibilities of using the CYBER RANGE tool for organising training for participants in various locations.** • *Presentation, Demonstration*
11:00 – 11:20	*Coffee break*
11:20-12:40	**SESSION 4** **Presentation of the technical aspects of the Cyber Range platform design.** • *Presentation, Demonstration*
12:40 – 14:00	**SESSION 5** **Cyber Range – scenario development** • *Presentation, Demonstration*
14:00 – 14:40	**SESSION 6** **Cybersecurity challenges experienced by your organizations** • Discussion
14:40 – 14:50	**Questions and Answers**
14:50 – 15:00	**Wrap-up and closing remarks**
15:00 – 16:00	*Lunch break*
16:00	*Transportation to the hotel*

DAY 3	Thursday, 06 June 2024 (CEST)
09:00 – 09:15	*Welcome coffee*
09:15 – 09:25	**Introduction to the third day of the course**
09:25 – 10:40	**SESSION 7** **Hacking scenario.**
	• *Demonstration*
10:40 – 11:20	**SESSION 8** **Penetration testing scenario**
	• *Presentation*
11:20 – 11:40	*Coffee break*
11:40 – 12:40	**SESSION 9** **WiFi hacking introduction**
	• *Presentation*
12:40 – 13:30	**SESSION 10** **WiFi hacking scenario**
	• *Presentation*
13:30 – 13:50	**Questions and Answers**
13:50 – 14:10	*Summary*
14:10 – 14:30	**Certificate Ceremony**
14:20 – 14:40	*Closing Remarks - End of the Course*
14:40 – 16:00	*Lunch break*
16:00	*Transportation to the hotel/airport*