



European Security and Defence College (ESDC)

‘Cyber Range – Cybersecurity in Practice’

(23-24/215/1)

PROGRAMME

5-7 March 2024 – Residential form

Cybersecurity 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

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Coordinator for Cyber issues and for the Cyber ETEE Platform
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DAY 1	Tuesday 5 March 2024 (CEST)
08:30 – 09:00	<u>Registration</u> <u>Welcome coffee</u>
09:00 – 09:40	Welcome address and course opening: <ul style="list-style-type: none"> • Cyber Security Training Centre of Excellence (CSTCoE), Warsaw • European Security and Defence College (ESDC) and the Cyber Education, Training, Evaluation and Exercise (ETEE) Platform, Brussels
09:40 – 11:15	SESSION 1 – Hands-on classes in the Cyber Range environment: Introduction to penetration testing tools. Practical & initial penetration test. <p><i>Scenario 1</i></p> <p><i>Keywords: Enumeration</i></p>
11:15 – 11:30	<u>Coffee break</u>
11:30 – 12:45	SESSION 2 – Hands-on classes in the Cyber Range environment: Exercise – Exploitation & post-exploitation environment. <p><i>Scenario 1</i></p> <p><i>Keywords: Kali Linux (Metasploit, MSFVenom, SEToolkit)</i></p>
12:45 – 13:30	SESSION 3 – Hands-on classes in the Cyber Range environment: Exercise – Phishing & password-cracking. <p><i>Scenario 1</i></p> <p><i>Keywords: SEToolkit, John the Ripper</i></p>
13:30 – 13.45	Wrap-up and closing remarks
13:45 – 15:15	<u>Group photo & lunch break</u>
15:15 – 19:00	<u>Transportation to the hotel & guided tour</u> (Warsaw & history of Poland)
19:30 – 21:00	<u>Icebreaker dinner</u>



DAY 2	Wednesday 6 March 2024 (CEST)
09:00 – 09:30	<u>Welcome coffee</u>
09:30 – 11:00	SESSION 4 - Hands-on classes in the Cyber Range environment: Network architectures in the context of web application security. <i>Scenario 2</i> <i>Keywords: Network Infrastructure, Web Servers, Reconnaissance, Enumeration</i>
11:00 – 11:15	<u>Coffee break</u>
11:15 – 12:30	SESSION 5 - Hands-on classes in the Cyber Range environment: Different types of vulnerabilities in web technologies. <i>Scenario 2</i> <i>Keywords: Web technologies, Vulnerabilities, Misconfigurations</i>
12:30 – 14:00	SESSION 6 - Hands-on classes in the Cyber Range environment: Lateral movement inside the organisation's network. <i>Scenario 2</i> <i>Keywords: Living off the land – operations behind the organisation's firewall.</i>
14:00 – 14:15	Wrap-up and closing remarks
14:15 – 15:30	<u>Lunch break</u>

DAY 3	Thursday 7 March 2024 (CEST)
08:30 – 09:00	<u><i>Welcome coffee</i></u>
09:00 – 10:30	<p>SESSION 7 – Theory of WiFi Hacking, Cracking & WiFi Tools</p> <p><i>Scenario 3</i></p> <p><i>Keywords: Parrot OS, Aircrack</i></p>
10:30 – 10:45	<u><i>Coffee break</i></u>
10:45 – 12:25	<p>SESSION 8 - Hands-on classes in the Cyber Range environment: Exercise – complex scenario for WiFi Hacking – WiFi Recon - Practical</p> <p><i>Scenario 3</i></p> <p><i>Keywords: WiFi Recon</i></p>
12:25 – 13:45	<p>SESSION 9 - Hands-on classes in the Cyber Range environment: Exercise – complex scenario for WiFi Hacking – Network Forensics & Analysis of PCAP file – Practical.</p> <p><i>Scenario 3</i></p> <p><i>Keywords: Network Analysis</i></p>
13:45 – 14.10	<u><i>Wrap-up</i></u>
14:10 – 14:30	<p><u>Certificate Ceremony</u></p> <ul style="list-style-type: none"> • <i>Cybersecurity Training Centre of Excellence (CSTCoE), Warsaw</i> • <i>European Security and Defence College (ESDC), Brussels</i>
14:30 – 14:40	<i>Closing remarks – End of the course</i>
14:40 – 15:35	<u><i>Lunch break</i></u>