European Security and Defence College (ESDC)

"Cyber Range – Pentester Tools"

(23-24/213/1)

DRAFT PROGRAMME

24 - 26 October 2023 (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 Michał Majewski

DAY 1 (CEST)	Tuesday, 24 October 2023
08:30 – 09:00	*Registration* *Welcome coffee*
09:00 – 10:00	Welcome address and course opening: • Cyber Security Training Centre of Excellence (CSTCoE), Warsaw • European Security and Defence College (ESDC), Brussels • Informal Tour-de-Table - introduction of instructors and participants
10:00 – 10:45	Introductory session - presenting Cyber Range environment.
10:45 – 11:00	*Coffee break*
11:00 – 11:45	SESSION 1 - Information gathering, trusted sources for knowledge on IT vulnerabilities and security gaps. *Keywords: CVE, Exploits*
11:45 – 14:00	SESSION 2 - Cyber reconnaissance and intelligence – dedicated tools for vulnerabilities discovery and identification *Keywords: Linux, Nmap, Recon, FPing*
14:00 – 14:15	Wrap-up and closing remarks
14:15 – 14:30	*Group photo*
14:30 – 15:30	*Lunch break*
15:30 – 19:00	*Transportation to the hotel & Guided Tour (Warsaw & History of Poland)*
19:30 – 21:00	*Icebreaker dinner*

DAY 2 (CEST)	Wednesday, 25 October 2023
09:15 – 09:30	*Welcome coffee*
09:30 – 10:45	SESSION 3 – Hands-on classes in Cyber Range environment: Pentester tools in network discovery and host enumeration *Scenario 1* *Keywords: Linux, Nmap, Recon, FPing*
10:45 – 11:00	*Coffee break*
11:00 – 12:45	SESSION 4 – Hands-on classes in Cyber Range environment: possible access ways discovery and vulnerability identification *Scenario 1* *Keywords: Linux, Exploit, CVE, Nmap*
12:45 – 13:00	*Coffee break*
13:00 – 14: 50	SESSION 5 – Hands-on classes in Cyber Range environment: dedicated tools for examining hosts vulnerabilities *Scenario 1* *Keywords: Linux, Network*
14:50 – 15:00	Wrap-up and closing remarks
15:00 – 16:00	*Lunch break*
16:00	*Transportation to the hotel*

DAY 3 (CEST)	Thursday, 26 October 2023
08:45 – 09:15	*Welcome coffee*
09:15 – 10:30	SESSION 6 - Hands-on classes in Cyber Range environment: complex scenario for network reconnaissance *Scenario 2* *Keywords: Linux, Nmap, Recon*
10:30 – 10:45	*Coffee break*
10:45 – 12:00	SESSION 7 - Hands-on classes in Cyber Range environment: complex scenario for vulnerability findings *Scenario 2* *Keywords: Linux, Exploits, CVE, Databases*
12:00 – 13:10	SESSION 8 - Hands-on classes in Cyber Range environment: complex scenario for penetration and exploitation *Scenario 2* *Keywords: Linux, Exploit, Penetration Test*
13:10 – 13:55	SESSION 9 - Security Information and Event Management: network traffic analysis and participants' activities/achievements evaluation collected from scenario 2 *Keywords: Network Traffic, Monitoring, SIEM*
13:55 – 14:20	Summary
14:20 – 14:40	Certificate Ceremony: • Cyber Security Training Centre of Excellence (CSTCoE), Warsaw • European Security and Defence College (ESDC), Brussels
14:40 – 15:00	*Closing Remarks - End of the Course*
15:00 – 16:00	*Lunch break*
16:00	*Transportation to the hotel/airport*