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CERTIFICATE of COMPLETION

This certifies that

Kostiantyn Tchervinka

has successfully completed the course

Penetration Testing

within the 2022 Cybersecurity Summer Instructor Training Program
under the **USAID Cybersecurity for Critical Infrastructure in Ukraine Activity**

11 July – 31 August 2022

Petro Matiaszek

Chief of Party, USAID Cybersecurity for Critical Infrastructure in Ukraine Activity



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Annex to the
CERTIFICATE of COMPLETION

of the course

Penetration Testing course

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Module	Hours
Introduction to Penetration Testing. <ul style="list-style-type: none">• Network Security Controls and Devices• Windows and Linux Security• Web Application and Web Server Architecture and Operations• Web Application Security Mechanisms• Information Security Attacks	4
Open Source Intelligence (OSINT) <ul style="list-style-type: none">• OSINT Through World Wide Web (WWW), Website Analysis, DNS Interrogation• Automating your OSINT Effort Using Tools/Frameworks/Scripts	4
Network Penetration Testing – External. <ul style="list-style-type: none">• External Network Information & Reconnaissance.• Scanning, and Exploitation	4

Network Penetration Testing– Internal.	4
<ul style="list-style-type: none"> • Internal Network Information Reconnaissance and Scanning. • Internal Network Enumeration and Vulnerability Scanning. • Local and Remote System Exploitation. 	
Network Penetration Testing – Perimeter Devices.	4
<ul style="list-style-type: none"> • Firewall Security Assessment Techniques. • IDs Security Assessment Techniques. • Router and Switch Security Assessment Techniques. 	
Wireless Penetration Testing.	4
<ul style="list-style-type: none"> • WLAN Penetration Testing Techniques. 	
IoT Penetration Testing.	4
OT/SCADA Penetration Testing.	4
Cloud Penetration Testing.	4
<ul style="list-style-type: none"> • Cloud Specific Penetration Testing Techniques and Recommendations • Cloud Specific Penetration Testing Methods 	
Binary Analysis and Exploitation	4
Labs and Practices	40
Self-study	90
Tests	10
Total	180



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