CAMO - Cybersecurity for Advanced Manufacturing Organizations

Advisory Committee Meeting

Year 2



Initial Grant Goals

- Create Virtual Training Scenarios
 - ► Mapped to Industry Standards and Best Practices
 - Externally Reviewed
 - Intended Audience is Advanced Manufacturing Workers and IT Students
- ► Integrate into Northwest State Community College Courses
- Make Available through Ohio Cyber Range

Create Virtual Training Scenarios - Topics

- Five Scenarios are Complete
 - ► Industrial Control System (ICS) Basics
 - Wireshark
 - Zoning/Network Segmentation
 - Virtual Private Network (VPN)
 - Intrusion Detection System/Intrusion Prevention System (IDS/IPS)

Create Virtual Training Scenarios

- Each Scenario Consists of:
 - Overview
 - ► Background Material
 - Video
 - Lab
 - Worksheet

Integrate into Northwest State Community College Courses

- Scenarios used in CYB220 Security Auditing in Spring 2020 and Spring 2021
- Scenarios used in CYB230 Network Defense in Fall 2021

Make Available through Ohio Cyber Range

Still a Work in Progress

Current Grant Goals

- Create more Virtual Training Scenarios
- Disseminate Material as Widely as Possible

Create more Virtual Training Scenarios

- At least Two more Scenarios are Planned
 - Metasploit
 - ▶ Open Platform Computing (OPC) Server

Disseminate Material as Widely as Possible

Current

- Used at Tiffin University in Summer 2021
- Used by Kellogg Community College Fall 2021
- Available on VMWare, VirtualBox or Hyper-V Hypervisors
- Available for Local Download and Use
- Available on Northwest State Community College Servers

Disseminate Material as Widely as Possible

- Planned/Potential
 - Used by Four County Joint Vocational School Spring 2022
 - ► Host at Other Colleges
 - Create an ICS Security Course at Northwest State Community College
 - Offer Free/Low-Cost Seminars to Local Industry

Comments/Ideas

- Please give use your comments or ideas
- You can also email them to us after the meeting if you think of something later
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