INL/CON-22-66817-Revision-0

Idaho National Laboratory (INL) Cybersecurity Support to the Department of Homeland Security (DHS)

April 2022

Timothy R Klett

Changing the World's Energy Future

Idaho National Laboratory

INL is a U.S. Department of Energy National Laboratory operated by Battelle Energy Alliance, LLC

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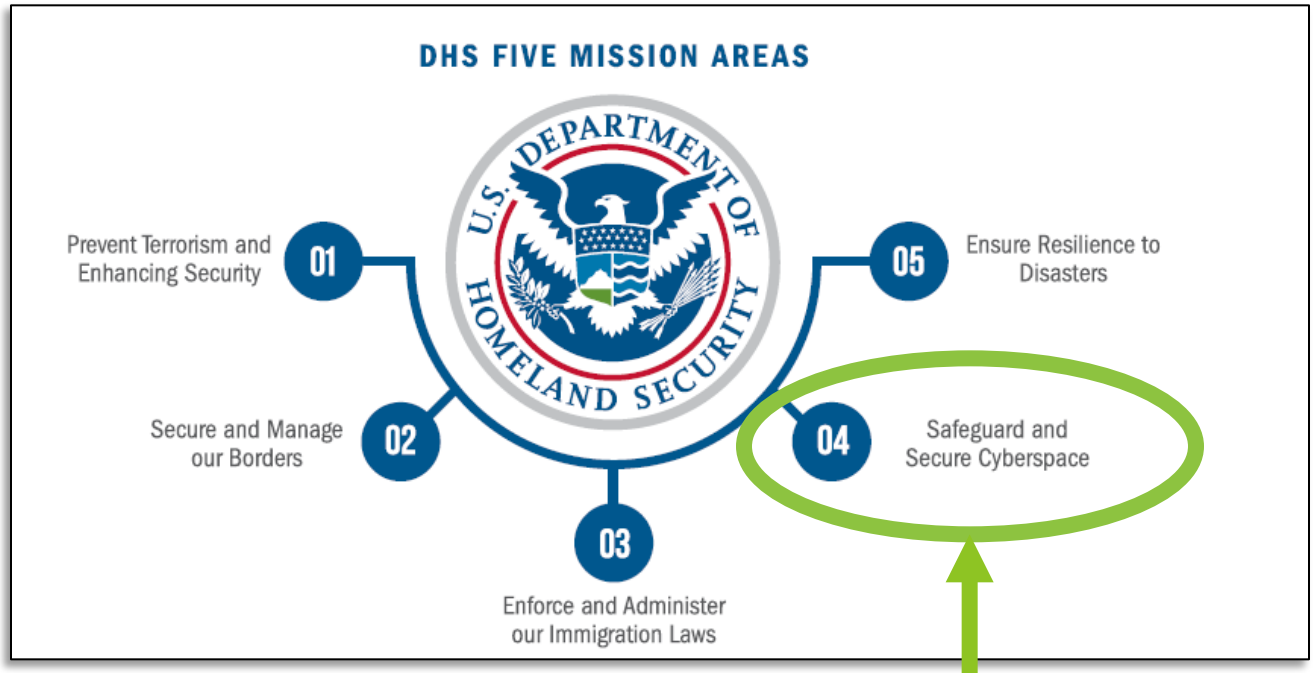
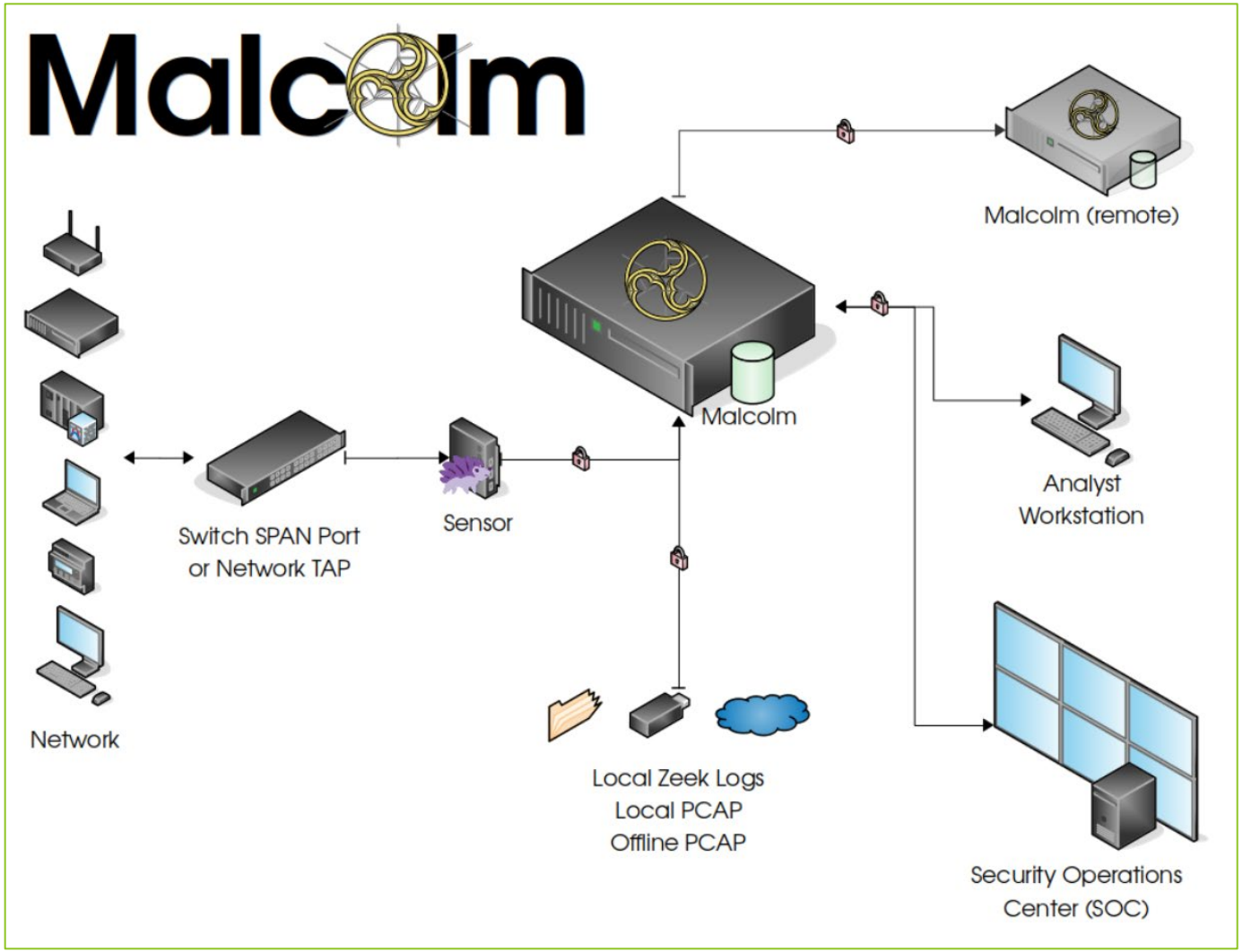


Controls Environment Laboratory Resource (CELR)

Aviation Cybersecurity Research Test Bed (ACRT)

- Modular and Expandable
- Generate Custom Traffic
- Real-World Data Link Traffic Repository
- Monitoring Taps/ Instrumentation

Malcolm

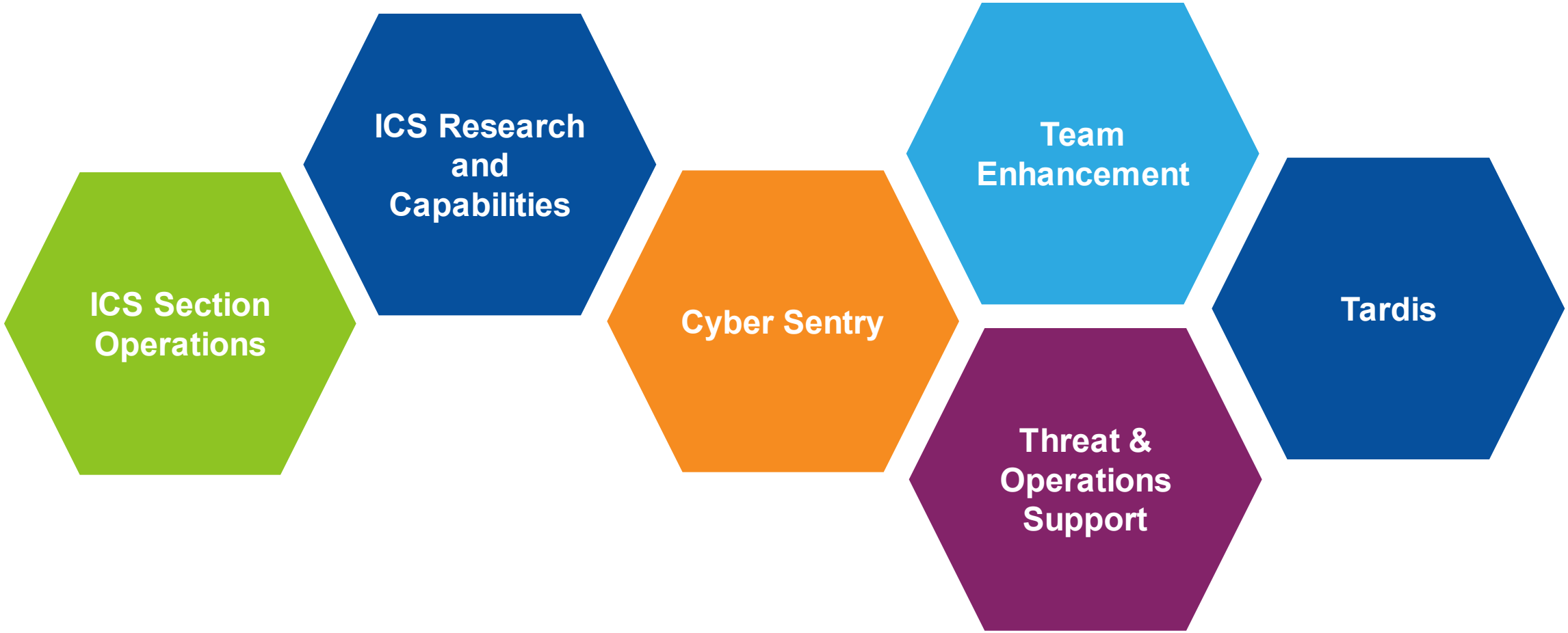


Malcolm

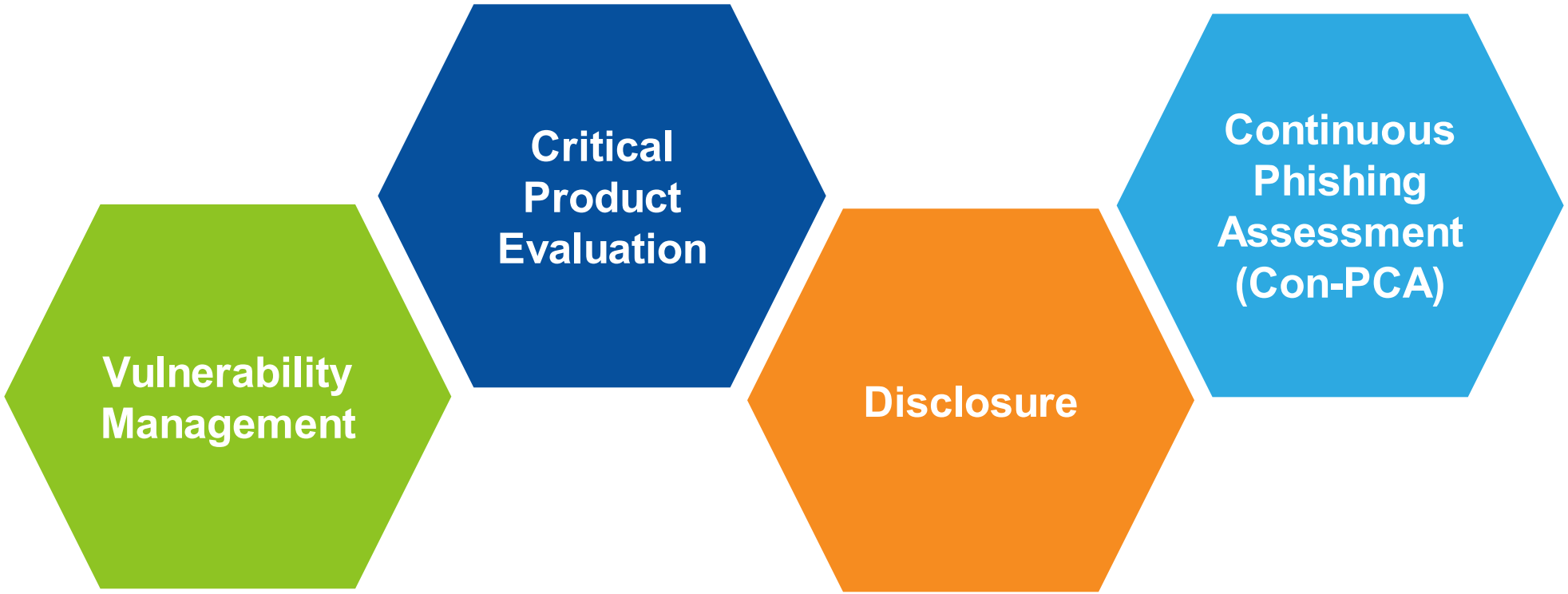
Malcolm is a powerful, easily deployable network traffic analysis tool suite for full packet capture artifacts (PCAP files) and Zeek logs.

Home
Getting Started
Components
Supported Protocols
Documentation
Hedgehog Linux
Downloads
Contributions
↪ GitHub

Threat Hunting – Industrial Control Systems (ICS) Section Operations



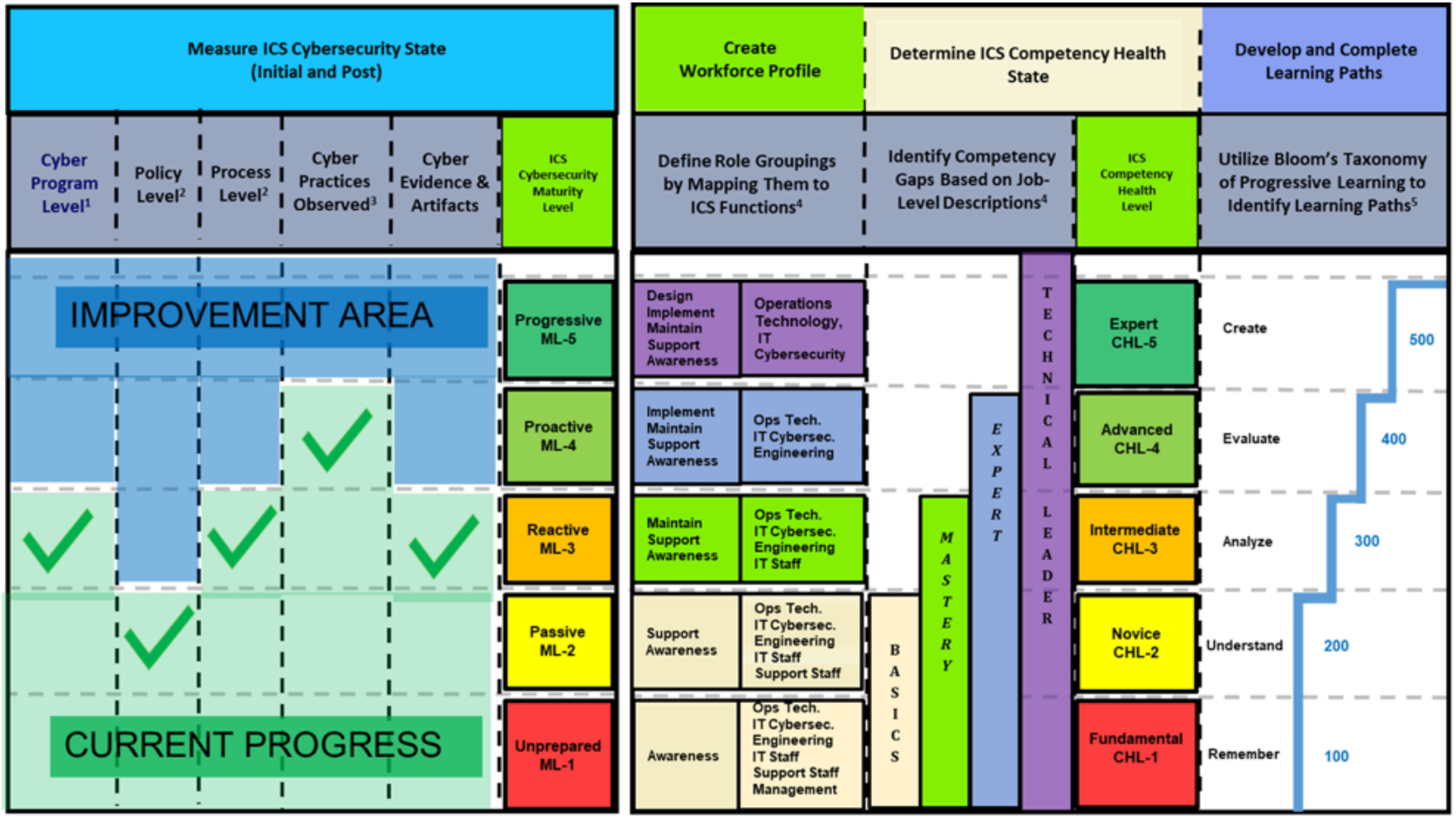
Vulnerability Management



Cyber Security Evaluation Tool

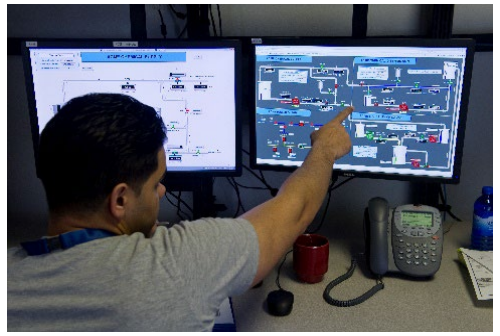
Cyber-CHAMP©

The Cybersecurity Competency Health and Maturity Progression Model



Training


Industrial Control Systems
Advanced Cybersecurity Training
Homeland Security
192.168.0.0/24
1.2.3.0/24
Substation #2
RTU Controller



INL Resilience Optimization Center (IROC)

INL has the Nation's Premier Critical Infrastructure Environment for DHS, DOE, DoD, and Industry

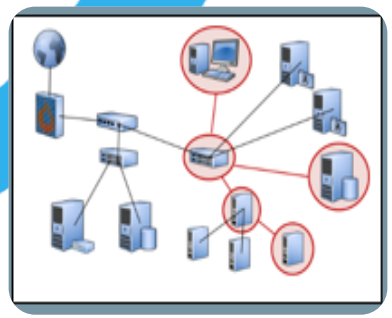
I N S P I R E

INterconnected Systems: Physical-Cyber Infrastructure Research Environment

PHYSICAL

Research • Analysis • Testing • Validation

CYBER



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