



CWE-CAPEC ICS/OT Special Interest Group

“CWE to ISA 62442” Sub-Working Group Charter

Chair: **TBD**

Introduction

The Industrial Control Systems (ICS)/Operational Technology (OT) CWE™ Special Interest Group (ICS/OT CWE SIG) offers a forum for researchers and technical representatives from organizations operating in ICS and OT design, manufacturing, and security to interact, share opinions and expertise, and leverage each other’s experiences in supporting the continued growth and adoption of CWE as a common language for defining ICS/OT security weaknesses. The objective of the ICS/OT CWE SIG is to establish a stakeholder community for discussing ICS/OT CWE content and explore further cross-organizational collaboration opportunities. Members of the ICS/OT CWE SIG work with each other through open and collaborative discussions to provide critical input regarding domain coverage, coverage goals, and content hierarchical structure.

Purpose

The goal of this sub-working group is to have a documented association of Common Weakness and Enumeration (CWE) list of software and hardware weakness types to the current ISA/IEC 62443 cybersecurity standards in operational technology (OT)/industrial control systems (ICS). If there are no restrictions imposed by ISA or other parties, then CWE will capture these associations using “Taxonomy Mappings” elements within the relevant CWE weaknesses. The group will also contribute to public discussions of potential changes to CWE’s scope that may benefit the ICS/OT community.

Work Plan

1. Define the problem space
2. Identify the stakeholders that need to be involved and solicit their participation
3. Reach consensus on how to move the state of the practice forward
4. Establish project schedule including key tasks, subtasks, and milestones
 - a. Document a comparison of standards that address each CWE
 - b. Compare and document whether each CWE is addressed by existing ISA/IEC 62443
 - c. Provide recommendations to ISA/IEC 62443 committees to develop additional standards to address CWE’s that are not currently addressed
5. Reporting out progress to the ICS/OT SIG at key milestones
6. Review final deliverables and identify additional channels of dissemination