

NDIA System Security Engineering Committee

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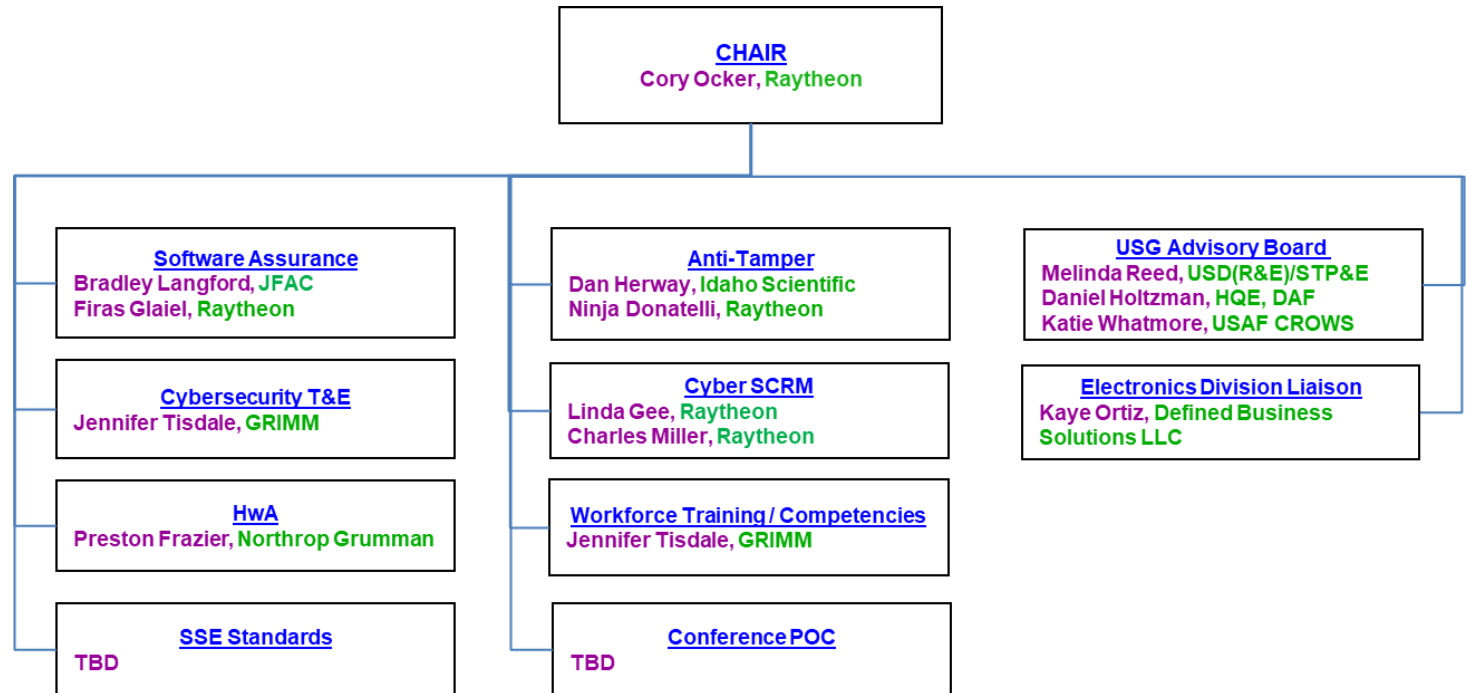
2021 ACTIVITIES

- **Supported development and industry review of PSM CID Measurement Framework Whitepaper Software Assurance section**
- **Held SSE Taxonomy workshop**
- **Reviewed USAF DevSecOps CONOPS**
- **Identified leadership team to support additional future projects**

SYSTEMS SECURITY ENGINEERING COMMITTEE



- Call for additional support in key SSE focus areas went out during March SSE Committee Meeting
- Leadership chart to be reviewed this afternoon during committee meeting to ask for any other volunteers
- Also creating list of steering committee members similar to the division for company POCs (note that being a prime isn't a prerequisite for being on the steering committee)



2021 Candidate Projects

Government Led

- **PIIP Review (Standards w/ All Participating) –**
 - Goal is to make it more consistent with existing regulations while also being responsive to individual customers - TBD awaiting draft from USG
- **DoDI/M 8140 Review (Workforce Training/Competencies)**
 - Awaiting implementation of NICE Framework to DoD systems; main clarification is whether or not this applies to DIB and what requirements will flow down - TBD awaiting draft from USG
- **CMMC - Engineering Perspective (Standards)**
 - Provide consolidated industry feedback on SSE impacts of CMMC (i.e. limiting flow to subcontractors, identifying levels as requirements are flowed deeper down the supply chain, etc); On hold awaiting latest review of CMMC path forward
- **NDAA FY2021 Sect 9901 – 9908 Creating Helpful Incentives to Produce Semiconductors for America (HwA/SCRM)**
- **DoDI 5000.89 T&E Review (CT&E) – ready (Q2)**
- **DoDI 5000.90 Cybersecurity review and comment (Standards)**
 - USG POC identified; ready (Q2)
- **Update DAG to match latest acquisition pathways guidance (Standards w/ All Participating) – awaiting update**
- **DoDI 5200.44 update – integration of zero trust / assured microelectronics**
 - Risked based, not eliminating trusted foundry – awaiting update (TBD)

Committee Led

- **Coordinating with Electronics Division to provide a bridge between control/guidance and supply chain risk – Ongoing (Q2/Q3)**
- **Review of Cybersecurity Legislation (Software Assurance) – Ongoing (Q2)**
- **SSE Taxonomy (w/ INCOSE) (Standards) – Ongoing (Q2)**
- **Draft DID Software Bill of Materials (SCRM) – ready (Q2/3)**
- **Critical Program Information term and definitions relate to DoDI 5200.39 (AT) – ready (Q2/3)**
- **Perform assessment of skill gap to determine focus areas to build the bench of SSEs (Education) – ready (Q2/3)**
- **Zero Trust Program View (led by Electronics Division) (HwA) – ongoing (Q2)**
- **Review effectiveness of Cyber Survivability Endorsement process – ready (Q3)**
- **Leveraging NDIA connect (has everyone accessed it?) (Planning/Process) – ready (Q2/3)**

Recent SSE Activities

United States Government Accountability Office
Report to Congressional Committees

March 2021

WEAPON SYSTEMS CYBERSECURITY

Guidance Would Help
DOD Programs Better
Communicate
Requirements to
Contractors

Coming to a laptop near you . . .

Cyber Physical Systems Security Summit

www.ndia-mich.org

March 9-10, 2021
1:00 – 4:30 p.m. each day!

Cyber Physical Systems Security Summit

In Partnership with the State of Michigan's MEDC!

March 9-10, 2021
VIRTUAL 1:00 – 4:30 p.m. both days!

Joint NDIA INCOSE Workshop held February 5th

Title: Is System Security Engineering (SSE) the same as Cybersecurity? Why or why not?

Goal: Align or normalize SSE terms amongst NIST, IEEE, ISO, INCOSE 15288, and DoD 5000.

Problem: The term system security engineering is not clearly nor succinctly defined. The term cybersecurity is being used interchangeably and causing notable confusion in policy, requirements, contracts, and expectations between customers and providers.

Initial terms to be considered:

- System Security Engineering
- Cyber
- Cybersecurity
- Resiliency
- Cyber Resiliency
- Cyber Survivability

Objective:

- Explore authoritative definitions and discuss the potential evolution of terms.
- Offer clarity of terms and provide example context.
- Thrust of paper / primer should not be in competition with everything else that has been written in standards and advisories and educational material; but rather attempt to influence the thinking behind evolutions of those documents.
- Visual mapping of terms to help enhance understanding of the relationships between the terms.
- Brevity. The community using these terms is extensive.
- Initial infographic concept diagram
- Draft a primer outline discussing the terms identified below, relationship of the terms, provide sample context, implications of potential misuse of the terms and offer recommended clarity in terms.

Homework: Please provide in advance of the workshop definitions of the terms above from authoritative sources. Please provide context, discussion points, and prepare to present your findings.

* <https://www.gao.gov/products/gao-21-179>