

Proposed 2016 Tasks:

- Finalize and publish paper on NDIA SED website.
- Collaborate with government partners to prioritize follow-on investigations related to the paper.
- Review and comment on 2nd draft NIST SP-800-160
- Welcome collaboration opportunities with the Services and other government communities that have expressed interest.
- Security relevant Supply Chain Risk Management
- Cyber vs Software *(TBD)*
- Cyber for Platform / Embedded Systems. *(TBD)*

Schedule / Resources

- Q1
- Publish final paper on NDIA SED website
 - GOMACTech & AF Optimizing Acq Secured Electronics
- Q2
- AOC Cyber Summit
 - Discuss new projects
 - Solicit abstracts for NDIA SED Conference SSE Track.
 - Outreach to services and industry for new members.

System Security Engineering Chair: Holly Dunlap, Raytheon

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Beth Wilson, Raytheon

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Deliverables / Products

- **Final** A Path Toward Cyber Resilient & Secure Systems Metrics & Measures Framework. **Complete.**
- Submitted essay to INCOSE INSIGHT magazine for July 2016 theme issue: “Systems Engineering Guidance for Sustainably Secure Systems”
- Industry Prime System Integrator Perspective
 - GOMACTech Conference, Keynote & Panel on Security Relevant Supply Chain **(March 2016)**
 - AF Optimizing Acquisition of Secured Electronics Studies Board Workshop, Presentation **(March 2016)**
 - Association of Old Crows Cyber Summit **(April 2016)**

Issues / Concerns:

Formally request a **rep from each major prime** to be a core committee member. Consistent, regular, actively engaged participation will increase our effectivity & and better position us for greater impact.

The AF has expressed interest in working with industry on SSE and related topics. How would we like to best collaborate with them? Regular NDIA SED meetings, NDIA SE Conference, Committee Meetings?

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Schedule / Resources

- Q2
- SSE & SW Committee meeting with Tom Hurt, JFAC PM May 3rd
 - Joint effort with INCOSE SSE Committee to review and comment on NIST SP 800-160
 - Soliciting abstracts for the Annual NDIA SE Conference.
 - Jointly inspired with the DT&E Committee shaping a panel for the SE Conference

Deliverables / Products

- SSE & SW Committee meeting with Tom Hurt, JFAC PM May 3rd. Exploratory meeting to discuss government and industry gap analysis. It was a lively meeting. We need a better understanding of the problem statement, scope, and how to provide value.
- NDIA SE Conference Systems Security Statistical Test Optimization Panel – Government and Industry panel.
- NIST SP 800-160 Review & Comment due – July 1st.
[Systems Security Engineering: Considerations for a Multidisciplinary Approach in the Engineering of Trustworthy Secure Systems.](#)

Ken Kepchar is collecting comments. Eagleview2@cox.net

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SSE Committee June 22nd Meeting

- NDIA System Security Engineering Committee meeting following the NDIA Systems Engineering Divisional meeting June 22nd from 1:30 pm - 3:30 pm. We encourage in person participation but also welcome virtual attendance.
- The SSE Committee extends an invitation to the NDIA DT&E Committee members who participated in the joint paper "A Path Toward Cyber Resilient & Secure Systems" and are interested in future collaboration and joint projects. We also extend the meeting invite to the Trusted Supplier Steering group along with any other committee or industry group that is interested in strengthening communication and collaboration related to SSE and program protection.

Agenda

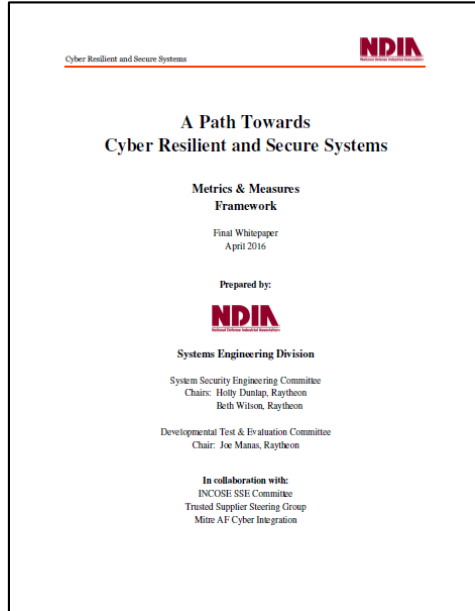
- Welcome and Announcements - NDIA SSE Committee Chair, Holly Dunlap
- Update from OSD SE PP Deputy Director, Melinda Reed
- Mitre SSE Training Offerings - Danny Holtzman
- Joint Federated Assurance Center, AT&L D ASD(SE/EE), Deputy Director Software Assurance, Tom Hurt
- NIST 800-160 – Systems Security Engineering, Pending time, Ken Kepchar
 - INCOSE & NDIA SSE Review and Comment
- Wrap up

June 22nd Telecon Information:
USA Toll-Free: (877)226-9783
USA Caller Paid: (636)651-3171
Access Code: 1308387

Backup

System Security Engineering Committee 2016 Status

Complete!



A Path Towards Cyber Resilient and Secure Systems Metrics & Measures

Summary of Concepts Presented

1. PPP alignment to support the System Survivability (SS) KPP
2. Add design for cyber resiliency at the architectural level as a countermeasure to holistic program protection
3. Risk
 - I. Common risk scale and normalized figures of merit across security specialties
 - II. Common levels for threats, vulnerabilities, likelihood, and impact.
 - III. Level of rigor concept and if not implemented system security specialty risk contribution to system security risk.
 - i. SCRM example of leveraging this concept
4. Cyber Resilient and Secure Systems Assurance Case

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**The Joint NDIA SSE & DT&E Paper is Posted on the NDIA Systems
Engineering Division Studies & Publications Website:**

<http://www.ndia.org/Divisions/Divisions/SystemsEngineering/Pages/Studies.aspx>