# SSE Committee - 2016 Task Plan

## 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)*

## 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)

## Schedule / Resources

Q2
- Publish final paper on NDIA SED website
  - GOMACTech & AF Optimizing Acq Secured Electronics

Q3
- AOC Cyber Summit
  - Discuss new projects
  - Solicit abstracts for NDIA SED Conference SSE Track.
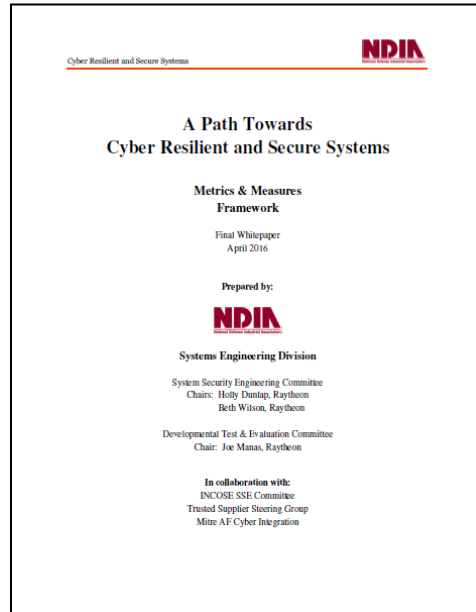  - Outreach to services and industry for new members.

## 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?

System Security Engineering Chair: Holly Dunlap, Raytheon      Beth Wilson, Raytheon
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Complete!

### A Path Towards Cyber Resilient and Secure Systems Metrics & Measures

**Cyber Resilient and Secure Systems** — NDIA — National Defense Industrial Association

**A Path Towards
Cyber Resilient and Secure Systems**

**Metrics & Measures
Framework**

Final Whitepaper
April 2016

Prepared by:

**NDIA**
National Defense Industrial Association

**Systems Engineering Division**

System Security Engineering Committee
Chairs: Holly Dunlap, Raytheon
Beth Wilson, Raytheon

Developmental Test & Evaluation Committee
Chair: Joe Manas, Raytheon

**In collaboration with:**
INCOSE SSE Committee
Trusted Supplier Steering Group
Mitre AF Cyber Integration

**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**

# SSE Committee April 20th Meeting

- **NDIA System Security Engineering Committee meeting following the NDIA Systems Engineering Divisional meeting April 20th 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**

- OSD SE PPP - Melinda Reed
- NDIA SE Fall Conference - Solicitation for abstracts
- Completion of the joint SSE & DT&E Committee paper "A Path Toward Cyber Resilient and Secure Systems".
- Tee up potential next project to start in the fall
    - System security contributions to program performance risk.
    - Cyber vs Software
    - Cyber for Platform / Embedded Systems.
    - NIST SP 800-161, Review & Comment.  Joint Effort with INCOSE SSE
- Update on security relevant SCRM event
    - GOMACTech – Kaye Ortiz
    - Optimizing the Air Force Acquisition Strategy of Secure and Reliable Electronic Components: A Workshop
- Guest speaker - Suzanne Hassell - Cyber Resilient Design
- Danny Holtzman –5 minute Intro to Mitre SSE Training Offering.
- Discussion on how to best integrate Service (AF, Navy, Army, etc) participation
- Wrap up.

April 20th Telecon Information:
USA Toll-Free: (877)226-9783
USA Caller Paid: (636)651-3171
Access Code: 1308387