

NDIA Systems Engineering Division (SED) Software Committee

**Paul Croll
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General Dynamics, Washington DC**

SW Committee – Status

Proposed 2017/2018 Tasks:

- Support the JFAC by building a framework for benchmarking industry processes, techniques, tools, architecture and design strategies, and decision-making rules for software assurance, at each stage of the full life cycle

Deliverables/Products

- DoD Enterprise Software Assurance (SWA) Capabilities Gap Analysis (Jan 10, 2017)
- DSB Task Force: Cyber Supply Chain (Feb 2017)
- OSD/NDIA (Sys Security Engr. and SW Committees) Joint Mtg: JFAC CGA/DSB Industry Workshop Perspective (22-23 July, 2017)
- Results presented at NDIA 2017 Systems Engineering Conference

Resources

- Paul Croll, PR Croll, LLC, Co-Lead
- JoAn Ferguson, General Dynamics
- Gary Hafen, Retired Lockheed Martin
- Tim Walden, Lockheed Martin.
- Cindy Molin, Raytheon
- Ken Nidiffer, SEI, Co-Lead
- Brian Bersen, Boeing
- Rick Selby, Northrop Grumman
- Joe Jarzombek, Synopsis
- Bob Martin, MITRE

Issues / Concerns:

- Amount of effort to close the SwA GAPs

SW Committee Suggested Plan

Proposed 2018 Tasks:

- Support the JFAC by building a framework for benchmarking industry processes, techniques, tools, architecture and design strategies, and decision-making rules for software assurance, at each stage of the full life cycle

Deliverables/Products

DoD Enterprise Software Assurance (SwA)
Capabilities Gap Analysis

1. Support OSD's development of a strategy for addressing the 63 gaps from a mission engineering and integration perspective.
2. Work with OSD to develop a plan of action.

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SW Committee Suggested Detailed Plan



Proposed 2018 Tasks:

- Identify and prioritize gaps that Industry recommends the Government address in its strategy
- Review and assess the adequacy and sufficiency Government solutions to software assurance gaps that are covered by JFAC stakeholders (i.e., Services and other agencies)
- Recommend areas / solutions where Industry can provide assistance
 - Focus in areas where Industry feels they are best qualified and/or where the Government has not identified an adequate or sufficient solution
 - Develop a framework to identify Industry and DoD partners to address the gaps over time

Deliverables/Products

DoD Enterprise Software Assurance (SwA) Capabilities Gap Analysis

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