

NDIA

Electronics Division



NDIA Electronics Division: Note from the Chair April 2018



Greetings from the Electronic Division! Like our friend the duck, the Executive Committee has been paddling madly beneath the surface of the water. This communication is what we hope will be the first of many, providing the broader community with multiple ways to engage with each other and move forward the issues that are important to us.

Looking forward, we are planning a series of webinars focusing on special topics and updates from our sub-committees. If you have thoughts on any of these topics or other suggestions, please contact any one of the individuals listed at the end of this message.

Activities to Date

- **Electronics Working Group Industry Workshop**

In July 2017, [Executive Order 13806](#) directed the Executive branch agencies to examine the health of the Domestic Industrial Base, assess manufacturing capacity and supply chain resilience, identify vulnerabilities and propose mitigation strategies. The Department of Defense, Office of Manufacturing and Industrial Base Policy, was specifically tasked with reporting on the Defense Industrial Base. To support that effort, the NDIA hosted a focused workshop on December 15, 2017 prior to the official launch of the Electronics Division. Targeted industry participants were invited to provide feedback on risks, issues, root causes, and mitigation recommendations.

- **FPGA Assurance workshop**

On February 27-28, we held the second annual FPGA Assurance Workshop hosted by Mitre at their McLean campus. The two-day event featured updates by Rob Gold (ASD R&E), Gabe Mounce (AFRL) and Mike Johnson (Sandia), and a presentation on the DOD's Strategy on Assured FPGAs by Ray Shanahan (ASD R&E), as well as an FPGA vendor panel featuring representatives of Xilinx, Intel and Microsemi. Details on the event can be found [here](#). And questions may be directed to [Brian Cohen](#).

Subcommittees: Goals and Activities

- **Trust & Assurance**

Trust and Assurance related matters are the focus of this subcommittee, comprised of government and industry team members. By fostering an innovative environment for bringing great ideas to action, this team is navigating a relevant evolving topic list including:

- Understanding government needs
- Collaborating to develop / evolve security approaches that mutually satisfy Government needs while aligning with commercial industry capabilities

- Continuing to develop Trust and Assurance models
- Evaluating and leveraging commercial best practices
- Providing feedback to regulatory items such as 5200.44

Please contact [Ezra Hall](#) for additional information.

- **Defense Electronics Industrial Base**

This subcommittee is focused on the entire strength of our industrial base for all electronics needed for national security and defense, specifically:

- Identifying challenges and vulnerabilities with respect to trust and assurance,
- Broadening our view of microelectronics end to end flow, to include packaging, assembly, surface mount components, boards, test, commercial of the shelf, and reliability screening,
- Explicitly including smaller commercial and defense specific suppliers

The division recently has provided input and comments relating to proposed DMSMS changes and the electronics supply chain and will move forward with a sub-committee kick-off meeting on April 18th. Please contact [Kelly Hennig](#) for additional information.

- **Strategy & Policy**

This subcommittee seeks to provide coordinated input to the government as it develops strategies, policy and new initiatives, from the perspective of commercial partners, defense industrial companies, academic and non-profit organizations.

S&P is producing an analysis of the President's FY19 Budget Request as it pertains to defense electronics R&D. This document is in draft form, so if you have anything to contribute –opportunities as well as challenges—please contact [Anita Balachandra](#).

Of Interest

- **Events**

- [HEART](#) conference: The Hardened Electronics and Radiation Technology (HEART) Conference is taking place this week in Tucson (April 16-20). For more information on this conference, please contact [Patricia St. John](#).
- [SEE-MAPLD](#) conference: The 27th Annual Single Event Effects (SEE) Symposium coupled with the Military and Aerospace Programmable Logic Devices (MAPLD) Workshop will be held in San Diego at the Marriott La Jolla on May 21-24.
- Seminar on Global Supply Chain Security Strategies, hosted by Venable and the Potomac Institute for Policy Studies on May 1. Registration link is [here](#). For more information, email Events@Venable.com
- Crane Microelectronics Integrity Meeting: The fourth annual Microelectronics Integrity Meeting will be held in Indianapolis, IN on August 6-8. More information will be posted as it becomes available.

- **Resources**

- In January, the Center for Strategic and International Studies published a detailed analysis of the effects of sequestration on the defense industrial base, which may be of interest to many in our community. *Measuring the Impact of Sequestration and the Drawdown on the Defense Industrial Base* can be downloaded [here](#).
- The **National Security Strategy**, issued in December 2017, is available [here](#), along with those of previous administrations.
- A summary of the **National Defense Strategy**, which was released in January, is available [here](#).

Contact Us

We would love to hear from you! New members are welcome and feedback is important to shape and refine this division. Please contact us with your questions, comments and suggestions.

[Kelly Hennig](#), Chair

[Antonia de la Serna](#), Vice Chair

[Anita Balachandra](#), Secretary

[Ezra Hall](#), At-Large

[Grant Meyer](#), At-Large

[Kathleen \(Taffy\) Kingscott](#), At-Large