NDIA Cybersecurity for Advanced Manufacturing Public Forum

August 18, 2016

Introduction

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Lockheed Martin Corporation
Government and industry members of the CFAM JWG collaborate to build on recommendations in the 2014 NDIA white paper, *Cybersecurity for Advanced Manufacturing*

- **Identify cybersecurity vulnerabilities** in the manufacturing environment and mitigations... *types and boundaries, highest impact near-term actions, culture changes*
- **Identify ways to incentivize and assist manufacturers** to improve cybersecurity in manufacturing systems... *policies and contract requirements, security practices, workforce cybersecurity training*
- **Develop implementation plans**... *coordinated with government and industry groups*
CFAM JWG is a Diverse Team

51 participants: Government, Academia, Industry, Associations and FFRDCs

- **Government organizations:**
  - DoD Undersecretary for Acquisition, Technology & Logistics
  - Joint Chiefs of Staff
  - DoD Chief Information Officer
  - Department of the Army
  - Space and Naval Warfare Systems Command
  - Air Force Research Laboratory
  - Department of Energy
  - White House Office of Science and Technology Policy
  - National Institute of Standards and Technology

- **Academia:**
  - Arizona State University
  - Georgia Tech Research Institute
  - Wichita State University

- **Industry company representation:**
  - ANSER
  - Boeing
  - Booz Allen Hamilton
  - DRAPER
  - GLOBALFOUNDRIES
  - Lockheed Martin
  - PricewaterhouseCoopers
  - United Technologies Research Center
  - Other small companies and consultancies

- **Industry member organizations:**
  - Association for Manufacturing Technology
  - Digital Manufacturing and Design Innovation Institute
  - National Center for Manufacturing Sciences

- **FFDRCs:**
  - Institute for Defense Analyses
  - Sandia National Laboratories
• Each working group has broken their questions into research tasks . . . subject matter experts are being interviewed.

• Website launched on NDIA portal . . . found under Industrial Working Groups.

• Team reports due in mid-October . . . still time to contribute!

• Outreach plan developed to share progress . . . first public forum today, next one planned for early November to share findings.

• Goal is to issue integrated report by December 2016 . . . will then be coordinated within DoD and other government agencies as appropriate.
### Terms of Reference and Integration Team

- This group will create the charter and scope of the CFAM JWG, and will support other teams as needed.
- **Team Lead:** Catherine Ortiz, Defined Business Solutions

#### Members

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<tr>
<th>Name</th>
<th>Organization/Role</th>
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<tr>
<td>Robert Badgett</td>
<td>IPDE Systems, LLC</td>
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<td>James Godwin</td>
<td>PricewaterhouseCoopers</td>
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<td>Michele Moss</td>
<td>Contract support to DOD Office of CIO</td>
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<td>James Poplin</td>
<td>Defined Business Solutions</td>
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<td>Vicki Barbur</td>
<td>Consultant</td>
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<td>Larry John</td>
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<td>Michael McGrath</td>
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<td>Chris Peters</td>
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<td>Donald Davidson</td>
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