

Systems Engineering Division

Annual Planning Meeting

6 December 2017

Post meeting updates

<http://www.ndia.org/divisions/systems-engineering>

Agenda (1 of 2)

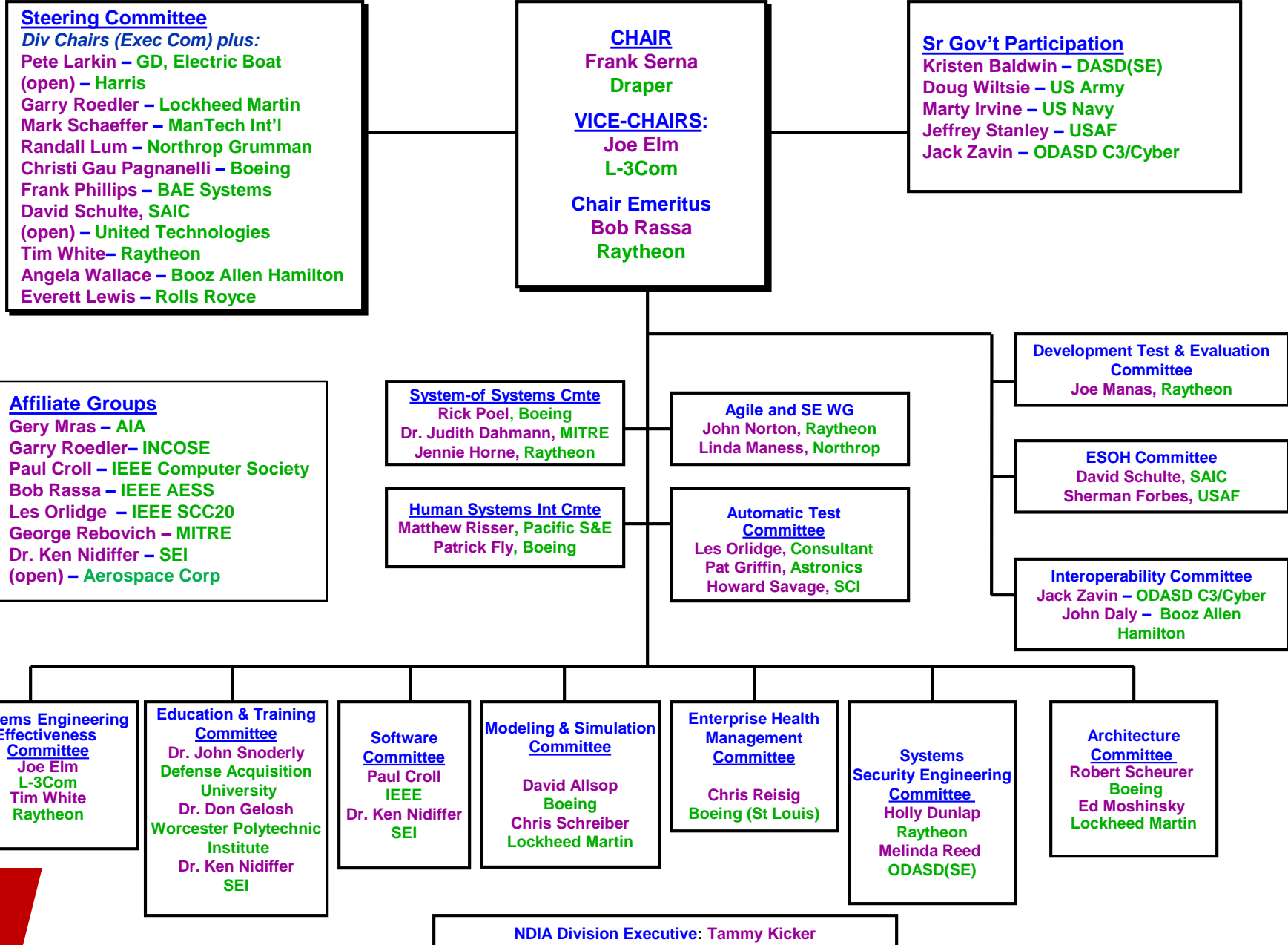
| Time | Topic | Presenter(s) |
|----------|--|--|
| 7:45 am | Coffee & Check-in | |
| 8:00 am | Opening Remarks, Introductions | Mr. Frank Serna, SE Division Chair, Draper |
| 8:20 AM | U.S. Air Force, SAF/AQRE | Lt Col Laird Abbott, SAF/AQRE Division Chief |
| 8:50 AM | Department of Homeland Security | Mr. James Tuttle, Chief Systems Engineer, DHS S&T |
| | | |
| 9:30 AM | Committee Presentations Brief Overview of status & plans for 2018 | Committee Chairs |
| | <ul style="list-style-type: none">• Architecture• Automated Test• Environment, Safety, & Occupational Health | |
| 10:00 AM | Break | |

Agenda (2 of 2)

| | | |
|----------|--|--|
| 10:20 AM | Continue Committee Presentations | |
| | <ul style="list-style-type: none">• Software• System Security Engineering• System of Systems | |
| 11:10 am | Discussion of Potential Division Activities in 2018 (including Committees and Existing/New Working Groups) | All |
| 11:30 AM | Lunch (Outside) | |
| 12:30 pm | ODASD (SE) Briefing: Issues for Consideration | Ms. Kristen Baldwin, Principal Deputy DASD(SE) |
| 1:20 pm | Collaboration between INCOSE and NDIA SED | Garry Roedler, INCOSE President Elect |
| 2:00 pm | System Engineering Conference: <ul style="list-style-type: none">• 2017 Outbrief• Plans for 2018 | Mr. Bob Rassa, SE Division Chair Emeritus, Raytheon |
| 2:30 pm | Break | |
| 2:45 pm | Other SE Division Business | All |
| 3:00 pm | Completing the 2018 Plan and Action Items | All |
| 4:00 pm | Adjourn | |

National Defense Industrial Association SYSTEMS ENGINEERING DIVISION

6 Dec 2017 R2



SE Division Bi-Monthly Meeting

PRESENTATIONS

SE Division Bi-Monthly Meeting

**STATUS OF 2017 ACTION ITEMS &
PREPARING FOR 2018**

Strategic Trends to Consider

- **Systems Engineering and emerging trends in Government acquisition**
- **Topics to consider**
 - Integration with the commercial innovation ecosystem
 - Systems for the Third Offset
 - Modular Open Systems Architecture
 - Cybersecurity and all that it implies
 - Mission Engineering
 - HASC & SASC acquisition reform in FY17 & FY18
- **Actions for 2018**
 - Existing Committees
 - New Working Groups
- **Respond to AT&L reorganization – new DASD(SE) role and mission**

2017 Major Actions

| Action | Description | Responsible | Status |
|--------|---|---|-------------------------------|
| 2017-1 | Plan and conduct a workshop on Designing for Cyber Resilience | SSE Committee | Closed |
| 2017-2 | How do we deal with the Acquisition Agility Act in the 2017 NDAA? | Team with IPMD | Closed |
| 2017-3 | Accept IPMD rep on SED Agile Committee. | John Norton, Dale (IPMD) | Closed |
| 2017-4 | Convene working group to foster ideas for SE as a university field of study and curriculum recommendations. | E&T Committee [in E&T plan, no separate action req'd] | Closed |
| 2017-5 | Convene DHS working group to try to help them with solutions to their SE problems. | J. Elm, B. Rassa | Closed |
| 2017-6 | Convene gov't/industry working group on SE processes for rapid acquisition. | B. Rassa, J. Dahmann | OBE |
| 2018-7 | Prepare a brief for new gov't officials on SE Division activities. At an upcoming SE Forum | SE Div. Leadership | Col Millece will work on date |
| 2017-8 | Prepare a brief for new gov't officials on top SE issues. Deliver report to DASD(SE) | SE Division | Closed |

2017 Major Actions

| Action | Description | Responsible | Status |
|---------|---|---------------------------------|--|
| 2017-9 | Convene gov't/industry working group on creating RFP language (L & M) for Cyber Security. | SSE Committee, D. Holtzman | Closed |
| 2017-10 | Convene gov't/industry working group on ERS. | F Serna, Lois Hollan | Closed |
| 2017-11 | Common standards for model data exchanges. | S. Dam, M&S Committee | M&S committee role forward to 2018 focus on bullet on Kristen's slide. |
| 2017-12 | Issues related to development of modern software intensive systems. | SW Committee | Roll forward to 2018 |
| 2017-13 | Workshop to explore interoperability and integration for future and existing systems | Architecture Committee | Closed |
| 2017-14 | Plan an Autonomous Systems and SE challenges workshop | Serna, T&E, NASA Armstrong, FAA | Roll forward to 2018 |
| 2017-15 | New Interoperability, architecture and SoS committees to resolve potential overlap & Action 2017-13 | Zavin, Scheurer, Dahmann | Closed |
| | | | |

2018 New Major Actions (as of 6 Dec)



| Action | Description | Responsible | Status |
|--------|--|--|--------|
| 2018-1 | Digital Engineering, working group/committee. Need to define scope of activity. Recommendations on steps industry & government can do to make this happen. | M&S (calls the meeting), Arch, T&E, INCOSE | |
| 2018-2 | SE gaps and issues for DHS | Rassa, SEE, T&E Division | |
| 2018-3 | AT, SSE, and DTE committees collaboration | Griffin & Dunlap | |
| 2018-4 | Add Tuttle/DHS staff to SSE committee | Dunlap | |
| 2018-5 | Mission Engineering assigned to SOS committee | Dahmann/SoS | |
| 2018-6 | INCOSE and NDIA SE collaboration | Serna & Roedler | |
| 2018-7 | Push for more interdivisional activity | Serna, Rassa, Elm | |
| 2018-8 | Identify SE Div rep to Trusted Micro Electronics Division relative to supply chain security | SSE/Dunlap, electronics division | |

2018 New Major Actions (as of 6 Dec)

| Action | Description | Responsible | Status |
|---------|--|--------------------------------|--------|
| 2018-9 | Semantic Web – invite Dinesh Verma to speak on this topic at the next SED meeting | Elm | |
| 2018-10 | Common data environment for models | M&S | |
| 2018-11 | Clarify RAM and sustainment engineering topic | DASD(SE) | |
| 2018-12 | Plan an Autonomous Systems and SE challenges workshop (reach out to NASA Armstrong, FAA) | Serna, T&E Division, Ed Kraft, | |
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SE Division Bi-monthly Meeting

OLD AND NEW BUSINESS

- **NDIA strategy highlights**
 - Acquisition Improvement
 - Technological Superiority
 - Defense Resourcing
 - Cyber Security
 - Innovation
 - International Engagements
 - Workforce Development

2018 Meeting Dates



| SE Forum Dates (10-11:30 AM) | SE Division Meeting Dates |
|------------------------------|-------------------------------|
| Thursday, February 15, 2018 | Thursday, February 22, 2018 |
| Thursday, April 19, 2018 | Wednesday, April 18, 2018 |
| Thursday, June 21, 2018 | Wednesday, June 20, 2018 |
| Thursday, August 16, 2018 | Wednesday, August 15, 2018 |
| Thursday, November 15, 2018 | NO SE Division Meeting |

21st Annual Systems Engineering Conference

October 22-25, 2018, Tampa FL

SE Division Annual Planning meeting

5 December 2018, D.C., GDEB

SE Division Bi-Monthly Meeting

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