

Systems Engineering Division

Bi-Monthly Meeting
16 August 2017

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

Agenda (1 of 2)

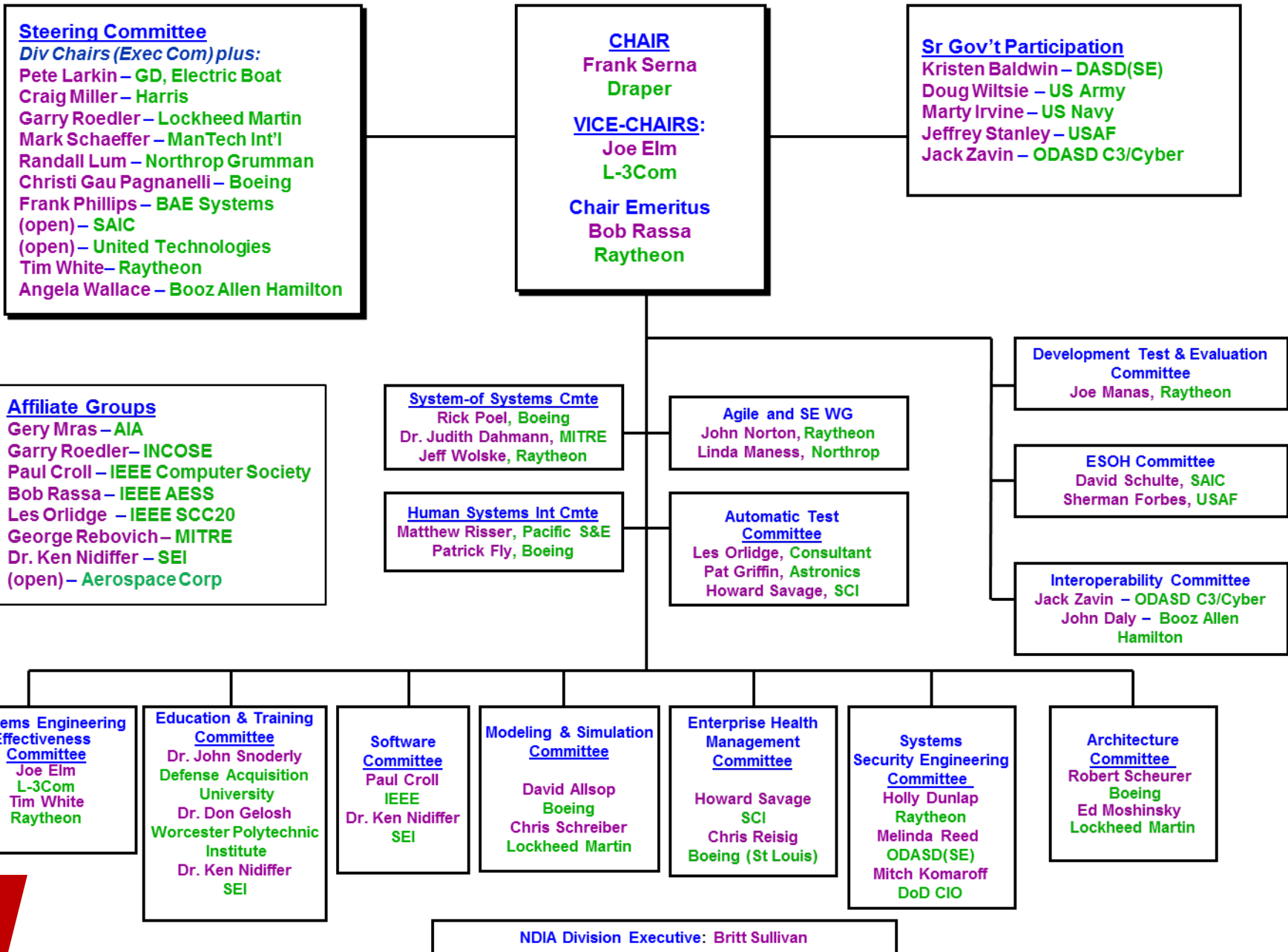
Time	Topic	Presenter(s)
0745	Coffee & Check-in	
0830	1. Opening Remarks, Introductions	Joseph Elm, L-3
0845	2. Sponsor Overview The Office of the Deputy Assistant Secretary of Defense for Systems Engineering (ODASD(SE)) will provide an update on DoD Systems Engineering plans/activities	Col David M. McIllece, Deputy for Systems Engineering Plans and Policy, ODASD (SE)
0930	3. Systems Engineering Conference 23-26 October 2017 Waterford, Springfield, VA	Bob Rassa, Raytheon
0950	4. MOSA Project Status – SE Architecture Committee MOSA Project Status	Bob Scheurer, Boeing Defense, Space, & Security
1010	5. SE Division Action Plan (slides 11 &12)	Joseph Elm, L-3
1025	Coffee Break	

Agenda (2 of 2)

Time	Topic	Presenter(s)
1045	Committee & other Activity Reports: Brief Overview of status & plans for 2017, ≈5 min each <ul style="list-style-type: none">• 6. Architecture• 7. Automated Test• 8. Development Test and Evaluation• 9. Education & Training• 10. Environment, Safety, & Occupational Health• 11. Enterprise Health Management• 12. Human Systems Integration• 13. Modeling & Simulation• 14. Software Committee• 15. Systems Engineering Effectiveness• 16. System Security Engineering• 17. System of Systems• 18. Interoperability	Committee Chairs
1130	Old Business, New Business, Next Meetings	All
1145	Adjourn main meeting	

National Defense Industrial Association SYSTEMS ENGINEERING DIVISION

26 June 2017 R1



SE Division Bi-Monthly Meeting

SE DIVISION NEWS

Lt Gen Thomas R. Ferguson, Jr. Systems Engineering Excellence Award



- **Nominations to date have been light**
- **We continue to solicit nominations until September 8, 2017**
- **Evaluation Criteria**
 - Promotion of robust systems engineering principles throughout the organization
 - Effective systems engineering process development
 - Demonstrated significant cost savings due to new or enhanced processes procedures and/or concepts
 - Increased mission capabilities
 - Substantially increased performance.
- **A call for nominations will be issued annually. Nominations are submitted via [electronic form](#)* to Tina Fletcher at tfletcher@ndia.org**

SE Division News Since 28 June Meeting **NDIA**

- **Reports that will be delivered to DASD(SE) this week (awaiting NDIA transmittal letter)**
 - Use of Digital Models for Competitive Down-Selection Final Report
 - SE Top Issues Report
- **Mission Engineering Competency Model**
 - The DoD is experiencing an emerging interest in Mission Engineering (ME) across the Services and OSD, in part, due to the mandate for Mission Integration Management in the 2017 National Defense Authorization Act, Section 855.
- **DoD/industry shared workforce challenges**
 - NDIA is organizing a multi-division team to work with Mr. Gold

FY17 NDAA

Systems Engineering Interest Items



Section	Title	Requirement
901	Organization of the Office of the Secretary of Defense	Splits USD(AT&L) into USD(R&E) and USD(A&S) and reshapes existing USD(AT&L) structure and responsibilities

Section	Title	Requirement
231	Strategy For Assured Access To Trusted Microelectronics	Directs the development of a strategy/report to describe how DoD entities may access assured and trusted microelectronics supply chains for DoD systems
805	Modular Open System Approach In Development Of Major Weapon Systems	Acquisition Agility Act
806	Development, Prototyping , and Deployment of Weapon System Components or Technology	
807	Cost, Schedule, & Performance of MDAPs	
808	Transparency in MDAPs	
809	Amendments Relating To Technical Data Rights	
855	Mission Integration Management	Establish the necessary technical infrastructure and expertise to support decision makers and to design, implement, test, field and support mission capabilities
875	Use of Commercial or Non-Government Standards in lieu of Military Specifications and Standards	Directs reforms to encourage contractors to propose commercial/non-Gov't standards and industry-wide practices; form partnerships with industry associations; negotiate licenses for use of standards, etc.

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PRESENTATIONS

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**COMPLETING THE 2017 PLAN,
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 2017**
 - 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	
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	
2017-6	Convene gov't/industry working group on SE processes for rapid acquisition.	B. Rassa, J. Dahmann	
2017-7	Prepare a brief for new gov't officials on SE Division activities. At an upcoming SE Forum	SE Div. Leadership	Col Mcillece 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	Awaiting NDIA Transmittal letter

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	See Cyber Summit out-brief and Col Abbott's handbook
2017-10	Convene gov't/industry working group on ERS.	F Serna, Lois Hollan	
2017-11	Common standards for model data exchanges.	M&S Committee	M&S committee planning an Aug workshop
2017-12	Issues related to development of modern software intensive systems.	SW Committee	In development
2017-13	Workshop to explore interoperability and integration for future and existing systems	Architecture Committee	
2017-14	Plan an Autonomous Systems and SE challenges workshop	Serna	Ed Kraft & Garry Roedler volunteered
2017-15	New Interoperability, architecture and SoS committees to resolve potential overlap & Action 2017-13	Zavin, Scheurer, Dahmann	

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**COMMITTEE & OTHER ACTIVITY
REPORTS**

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OLD AND NEW BUSINESS

- **NDIA new strategy**

- Acquisition Improvement
- Technological Superiority
- Defense Resourcing
- Cyber Security
- Innovation
- International Engagements
- Workforce Development

- **Example, GEN Carlisle interviewed on CNN –**

<https://www.youtube.com/watch?v=rI9IcnBzwoM>

2017 Meeting Dates



SE Forum Dates	SE Division Meeting Dates
Tuesday, February 28, 2017	Wednesday, March 1, 2017
Tuesday, April 25, 2017	Wednesday, May 3, 2017
Tuesday, June 27, 2017	Wednesday, June 28, 2017
Tuesday, August 22, 2017	Wednesday, August 16, 2017
Tuesday, November 14, 2017	NO SE Division Meeting

20th Annual Systems Engineering Conference
October 23-26, 2017, Waterford, Springfield VA

SE Division Annual Planning meeting
6 December 2017, D.C., specific location tbd

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