

NDIA SE Division M&S Committee

Meeting Agenda, 17 August 2010

8:15	Continental breakfast available (courtesy of Boeing)	
8:40	Welcome, agenda review, self-introductions	
8:55	Committee overview, meeting schedule	Jim Coolahan (JHU/APL)
9:00	M&S at the Missile Defense Agency	Todd Repass (Axiom, support to MDA/DES)
9:45	Model-Based Engineering (MBE) Subcommittee Update	Jeff Bergenthal (Lockheed Martin)
10:15	Open Discussion of Top M&S Issues in Systems Engineering	Jim Coolahan
10:30	Break	
10:45	Broad Area Maritime Surveillance UAS M&S	Steve O'Day (NAWC/AD)
11:15	NATO Distributed Networked Battle Labs (DNBL) Overview	Hans Polzer (Lockheed Martin & NCOIC)
12:00	Working lunch (courtesy of Boeing)	
12:30	Upcoming Systems Engineering and M&S Conferences	Jim Coolahan
12:35	NDIA Systems Engineering Conference, M&S Track Agenda	Jeff Bergenthal
12:55	DDG 1000 M&S Update	Randy Saunders (JHU/APL, support to DDG-1000)
13:40	Subcommittee Meeting, Model-Based Engineering (MBE) (part 1)	Subcommittee members
14:15	Break	
14:30	Subcommittee Meeting, Model-Based Engineering (MBE) (part 2)	Subcommittee members
16:00	Adjourn	

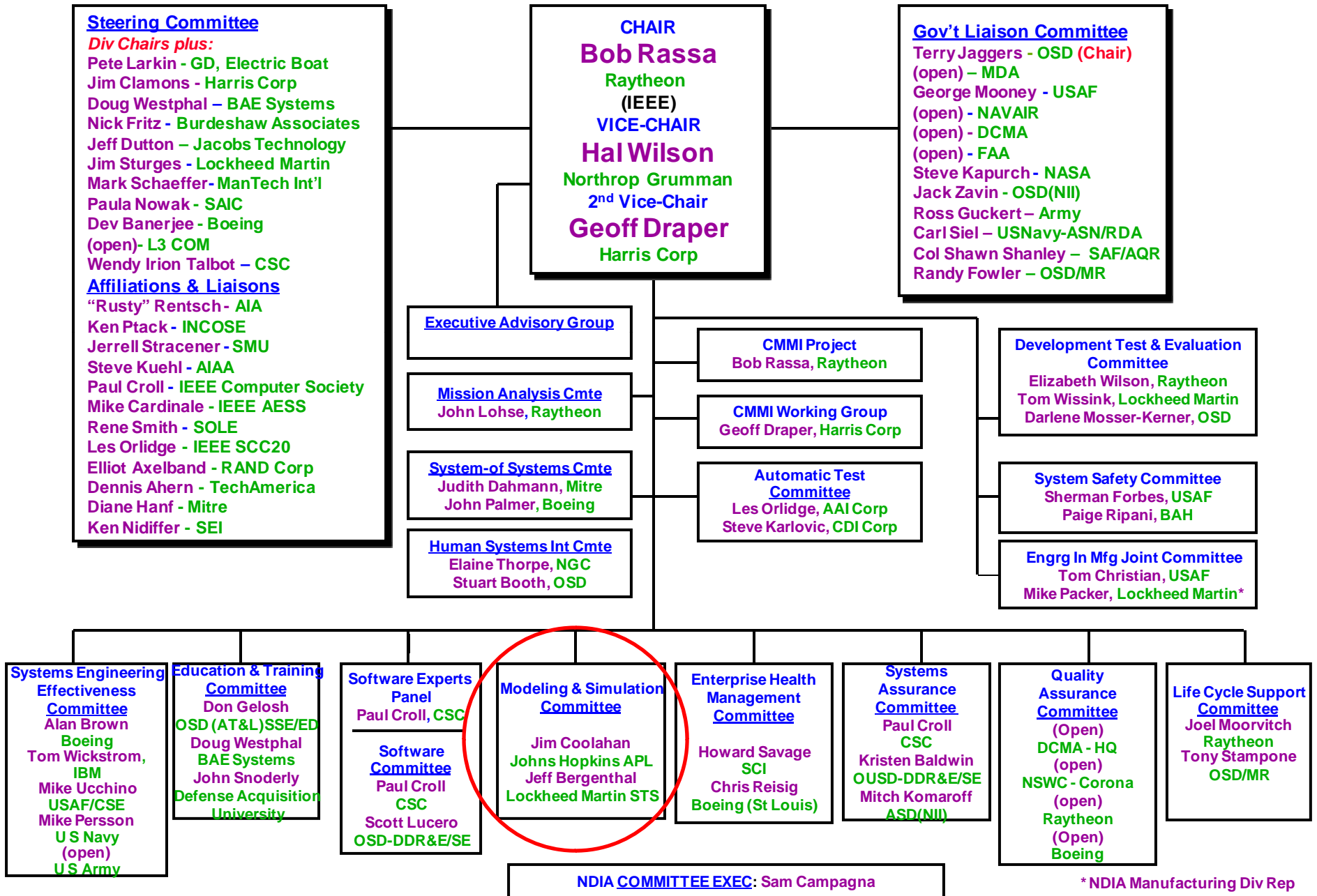
National Defense Industrial Association Systems Engineering Division Modeling and Simulation Committee

Committee Overview and Meeting Schedule
17 August 2010

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National Defense Industrial Association SYSTEMS ENGINEERING DIVISION

11/01/09



NDIA SE M&S Committee

- The mission of the NDIA SE M&S Committee is to advance the understanding and use of modeling and simulation in the practice of systems engineering
- Significant growth of membership and meeting attendance since founding in 2002, under the leadership of Jim Hollenbach and Gary Belie
- Jim Coolahan succeeded Jim Hollenbach and Jeff Bergenthal succeeded Gary Belie in December, 2009
- 2010 meetings: 16 February, 20 April, 15 June (presentations posted on NDIA web site), and 17 August at Boeing in Rosslyn

NDIA Systems Engineering 2010

Modeling and Simulation Committee

Initiative Description

- 2009 initiative on M&S Support for the SE of Systems of Systems
 - Conducted community survey
 - Produced report in October 2009
- 2010 studies/subcommittees:
 - Model-based engineering
 - Life-cycle cost modeling (new)

Deliverables/Products

- “Results of Survey on M&S Support for the SE of Systems of Systems, October 2009”
 - Presented at SE Conf in Oct 2009
- Wealth of presentations from M&S committee meetings archived on web site (average of 50 participants in each meeting)

Schedule

- Full-day committee meetings in Feb, Apr, Jun, Aug 2010 in DC area, aligned with SE Division meetings
- Full slate of 16 presentations on various timely SE M&S topics of interest in M&S track at Oct 2010 SE Conference

Related SE Committee and DOD Interfaces

- Interfaces to NDIA SoS SE Committee and to NDIA Manufacturing and SE Divisions’ Joint Sub-Committee on Modeling and Simulation
- Linkage to OSD-led Acquisition M&S Working Group and its Acquisition M&S Master Plan
- Linkage to IEEE and Simulation Interoperability Standards Organization (SISO) M&S standards activities on High Level Architecture (HLA), VV&A; and to SISO System Life Cycle forum

NDIA Systems Engineering M&S Committee – New Subcommittee on Life-Cycle Cost Modeling

- Initial Direction from NDIA Systems Engineering Division
 - Generate a short report / point paper on issues in life cycle cost modeling for defense systems.
 - For example, what are the issues that prevent the construction of a generalized life cycle cost model? How do differences among types of systems affect how the cost of those systems must be modeled? For systems of a similar type, e.g., airplanes, what are the issues in creating a common life cycle cost model for that type of system?
- Currently refining charter, and working toward a short report / point paper by the end of the year.
- Current members: Chris Price (Raytheon), Jerry Cothran (Lockheed Martin), Charlie Stirk (Cost Vision), Danielle Anderson (Raytheon), Andreas Tolk (Old Dominion University)
- Looking for more members

NDIA Systems Engineering M&S Committee – Interactions Status

- M&S Professional Certification – Systems Engineering Inputs
 - A few committee members interacting on an individual basis
- NCOIC Interactions
 - Initial contacts established
- USAF Acquisition M&S IPT Interactions
 - Initial contacts established with Lt Col John Simeoni (SAF/AQRE)
- DoD CREATE Program (Physics-Based Modeling)
 - Initial meeting on getting industry interactions, 16 August 2010
 - More to follow after 18 August 2010 NDIA SE Division Meeting

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Upcoming Systems Engineering and M&S Conferences

17 August 2010

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Upcoming Systems Engineering and M&S Conferences

- **2010 NATO Modelling & Simulation Group (NMSG) Conference**, “Blending LVC Simulation to Better Support Training & Experimentation,” Soesterberg Conference Centre, Utrecht (Soesterberg) – The Netherlands, 16-17 September 2010. For details, see <http://www.rta.nato.int/Detail.asp?ID=4110>.
- **2010 Fall Simulation Interoperability Workshop (SIW)**, sponsored by the Simulation Interoperability Standards Organization (SISO), The Florida Hotel, Orlando, FL, 20-24 September 2010. For details, see the SISO web site, <http://www.sisostds.org>.
- **Third International Conference on Model-Based Systems Engineering (MBSE 2010)**, sponsored by the International Council on Systems Engineering (INCOSE), George Mason University, Fairfax, VA, 27-28 September 2010. For details, see <http://seor.gmu.edu/mbse2010>.
- **MODSIM World 2010**, Hampton Roads, VA, 13-15 October 2010. For details, see <http://www.modsimworld2008.com>.
- **Human Modelling for Military Application**, sponsored by NATO/RTO Human Factors & Medicine Panel, supported by RTO/SAS, NMSG, and NATO/ACT, Amsterdam (The Netherlands), 18-20 October 2010. See <http://www.rta.nato.int/Detail.asp?ID=4090>.
- **NDIA 13th Annual Systems Engineering Conference**, Hyatt Regency Mission Bay, San Diego, CA, 25-28 October 2010. See <http://www.ndia.org/meetings/1870/Pages/default.aspx>.
- **Interservice/Industry Training, Simulation & Education Conference (I/ITSEC)**, 29 November - 2 December 2010, Orange County Convention Center, Orlando, FL. See <http://www.iitsec.org>.