

8th Annual Systems Engineering Conference

*"Focusing on Mission Areas,
Net-Centric Operations and
Supportability of Defense Systems"*

Event # 6870

October 24-27, 2005

San Diego, CA

Onsite Program



*Sponsored by the
National Defense
Industrial Association,
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IEEE AES, IEEE Systems Council
and INCOSE
Supported by
Office of Under Secretary of
Defense, Acquisition Technology &
Logistics, Defense Systems,
Director, Systems Engineering*

Sunday, October 23, 2005

5:00 PM - 7:00 PM Registration for Tutorials and General Conference
(Tutorials are an additional \$200 registration fee)

Monday, October 24, 2005

7:00 AM - 5 PM Registration

7 AM Continental Breakfast for Tutorial Attendees ONLY
(Tutorials are an additional \$200 registration fee)

8:00 AM - 5 PM Tutorial Tracks (Please refer to following pages for Tutorials Schedule)

12 Noon - 1 PM Buffett Lunch

1:00 PM - 5 PM Tutorial Tracks (Please refer to following pages for Tutorials Schedule)

5:00 PM - 6 PM Reception in Display Area (Open to All Participants)

Tuesday, October 25, 2005

7:00 AM Registration & Continental Breakfast

8:15 AM Introductions
Mr. Sam Campagna, Director, Operations, NDIA

8:30 AM Opening Remarks
Mr. Bob Rassa, Director, Systems Supportability, Raytheon;
Chair, Systems Engineering Division, NDIA

8:40 AM - 9:30 AM Keynote Address
Mr. John Landon, Deputy Assistant Secretary of Defense (NII)
(C3ISR & IT Acquisition)

9:30 AM - 10 AM Break in Display Area

10:00 AM - 12 Noon Plenary Session: Revitalization of Systems Engineering Within DoD
Moderator:
Mr. Mark Schaeffer, Deputy Director, Defense Systems, and Director,
Systems Engineering, OUSD (AT&L)
Panelists:
Mr. Terry Jaggars, Director, SAF/AQR (Science, Technology & Engineering)
Mr. Carl Siel, ASN (RDA)CHENG
Mr. Doug Wiltsie, US Army (Invited)
Mr. Kelly Miller, NSA (Invited)

12 Noon - 1:30 PM Luncheon Speaker
Mr. Greg Shelton, Vice President, Engineering Manufacturing Technology
& Quality, Raytheon

1:30 PM - 5 PM Concurrent Sessions (Please refer to following pages for session schedule)

5:00 PM - 6:30 PM Reception in Display Area

Monday, October 24, 2005

Registration & Continental Breakfast

7:15 AM

	8:00 AM	9:45 AM	10:15 AM	12 Noon	1:00 PM	2:45 PM	3:15 PM	5 PM-6 PM
Regency A	TRACK 1 Tutorial How to Define System Engineering Processes That are Short and Usable <i>Session 1A1</i> Mr. Tim Olson, Quality Improvement Consultants, Inc.	Break	TRACK 1 Tutorial How to Define System Engineering Processes That are Short and Usable (Continued) <i>Session 1B1</i> Mr. Tim Olson, Quality Improvement Consultants, Inc.	Buffet Lunch	TRACK 1 Tutorial Systems Engineering Planning - A Tutorial <i>Session 1C1</i> Col Warren Anderson, OUSD (AT&L) Defense Systems	Break	TRACK 1 Tutorial Systems Engineering Planning - A Tutorial (Continued) <i>Session 1D1</i> Col Warren Anderson, OUSD (AT&L) Defense Systems	Reception in Display Area
Regency B	TRACK 2 Tutorial Integrating Systems Engineering with Earned Value Management <i>Session 1A2</i> Mr. Paul Solomon, Northrop Grumman Corp.		TRACK 2 Tutorial Integrating Systems Engineering with Earned Value Management (Continued) <i>Session 1B2</i> Mr. Paul Solomon, Northrop Grumman Corp.		TRACK 2 Tutorial Using a Measurement Framework to Successfully Achieve Measurable Results <i>Session 1C2</i> Mr. Tim Olson, Quality Improvement Consultants		TRACK 2 Tutorial Using a Measurement Framework to Successfully Achieve Measurable Results (Continued) <i>Session 1D2</i> Mr. Tim Olson, Quality Improvement Consultants	
Regency C	TRACK 3 Tutorial Up-To-Date Systems Requirements Tutorial <i>Session 1A3</i> Mr. Jeffrey Grady, JOG Systems Engineering, Inc.		TRACK 3 Tutorial Up-To-Date Systems Requirements Tutorial (Continued) <i>Session 1B3</i> Mr. Jeffrey Grady, JOG Systems Engineering, Inc.		TRACK 3 Tutorial Requirements Development and Management <i>Session 1C3</i> Mr. Al Florence, The MITRE Corp.		TRACK 3 Tutorial Requirements Development and Management (Continued) <i>Session 1D3</i> Mr. Al Florence, The MITRE Corp.	
Mission A	TRACK 4 Tutorial Exploring the System Solution Space using Behavior Analysis and Simulation: Applying M&S to System Engineering <i>Session 1A4</i> Mr. James Long, Vitech Corp.		TRACK 4 Tutorial Exploring the System Solution Space using Behavior Analysis and Simulation: Applying M&S to System Engineering (Continued) <i>Session 1B4</i> Mr. James Long, Vitech Corp.		TRACK 4 Tutorial Air Force Integrated Collaborative Environment (AF-ICE) - An Air Force and Industry Partner overview and update <i>Session 1C4</i> Mr. Rick Peters, Air Force Material Command		TRACK 4 Tutorial Air Force Integrated Collaborative Environment (AF-ICE) - An Air Force and Industry Partner overview and update (Continued) <i>Session 1D4</i> Mr. Rick Peters, Air Force Material Command	
Mission B	TRACK 5 Tutorial Systems/Software/Hardware Quality Assurance <i>Session 1A5</i> Mr. Al Florence, The MITRE Corp.		TRACK 5 Tutorial Systems/Software/Hardware Quality Assurance (Continued) <i>Session 1B5</i> Mr. Al Florence, The MITRE Corp.		TRACK 5 Tutorial The Return on Investment from Software Engineering Best Practices: An Introduction <i>Session 1C5</i> Mr. Thomas McGibbon, IIT Industries		TRACK 5 Tutorial The Return on Investment from Software Engineering Best Practices: An Introduction <i>Session 1D5</i> Mr. Thomas McGibbon, IIT Industries	
Mission C	TRACK 6 Tutorial Innovative Design for Six Sigma (DFSS) Approaches to Test and Evaluation: A Hands-On Experience <i>Session 1A6</i> Dr. Mark Kiemele, Air Academy Associates		TRACK 6 Tutorial Innovative Design for Six Sigma (DFSS) Approaches to Test and Evaluation: A Hands-On Experience (Continued) <i>Session 1B6</i> Dr. Mark Kiemele, Air Academy Associates		TRACK 6 Tutorial What Makes A Simulation Credible? Cost-Effective VV&A in the Systems Engineering Process <i>Session 1C6</i> Mr. David Hall, SURVICE Engineering Company		TRACK 6 Tutorial What Makes A Simulation Credible? Cost-Effective VV&A in the Systems Engineering Process (Continued) <i>Session 1D6</i> Mr. David Hall, SURVICE Engineering Company	
Garden A	TRACK 7 Tutorial Object Oriented Systems Engineering Methodology (OOSEM) <i>Session 1A7</i> Dr. Abraham Meilich, Lockheed Martin		TRACK 7 Tutorial Object Oriented Systems Engineering Methodology (OOSEM)(Continued) <i>Session 1B7</i> Dr. Abraham Meilich, Lockheed Martin		TRACK 7 Tutorial Object Oriented Systems Engineering Methodology (OOSEM)(Continued) <i>Session 1C7</i> Dr. Abraham Meilich, Lockheed Martin		TRACK 7 Tutorial Object Oriented Systems Engineering Methodology (OOSEM)(Continued) <i>Session 1D7</i> Dr. Abraham Meilich, Lockheed Martin	
Garden F	TRACK 8 Tutorial TBA <i>Session 1A8</i>		TRACK 8 Tutorial TBA <i>Session 1B8</i>		TRACK 8 Tutorial Performability (Performance and Reliability) Modeling <i>Session 1C8</i> Dr. Meng-Lai Yin, Raytheon		TRACK 8 Tutorial Performability (Performance and Reliability) Modeling <i>Session 1D8</i> Dr. Meng-Lai Yin, Raytheon	

Tuesday, October 25, 2005

		1:30 PM	3:00 PM	3:30 PM				
Regency A	TRACK 1 <i>Systems Engineering Effectiveness</i> Session 2C1	The Return of Discipline Dr. Yvette Weber, HQ AFMC, USAF	Technical Planning for Acquisition Programs: An OSD Perspective Col Warren Anderson, OUSD (AT&L) Defense Systems	TRACK 1 <i>Systems Engineering Effectiveness</i> Session 2D1	Implementation of Policy Requiring Systems Engineering Plans for Air Force Programs – Results and Implications Mr. Kevin Kemper, US Air Force	Systems Engineering Revitalization at SPAWAR Systems Center Charleston Mr. Michael Kutch, Jr., SPAWAR Systems Center	Engineering for Software Assurance Ms. Kristen Baldwin, OUSD(AT&L)	
Regency B	TRACK 2 <i>Systems Engineering Effectiveness</i> Session 2C2	Technology Readiness Assessments: A Key Aspect of the Systems Engineering Process Dr. Jay Mandelbaum, Institute for Defense Analyses	Taxonomy of Operational Risks Mr. Brian Gallagher, Software Engineering Institute	TRACK 2 <i>Systems Engineering Effectiveness</i> Session 2D2	A Method for Reasoning About an Acquisition Strategy Mr. Joseph Elm, Software Engineering Institute	WBS Based Risk Assessment Mr. Bruce Heim, (DCMA) Boeing Long Beach		
Regency C	TRACK 3 <i>Test & Evaluation in Systems Engineering</i> Session 2C3	Applying the Systems Engineering Approach to the Test and Evaluation Process Mr. Raymond Beach, NAVAIR	Intelligent Data Analysis Options to Support Aircraft/Ship Systems Testing Mr. Dean Carico, Naval Air Warfare Center	TRACK 3 <i>Test & Evaluation in Systems Engineering</i> Session 2D3	Interweaving Test and Evaluation throughout the Systems Engineering Process Mr. Joseph Tribble, AVW Technologies	Recent Innovations in Design for Six Sigma (DFSS) Testing Approaches to Speed Technology to the Marketplace Dr. Mark Kiemele, Air Academy Associates	Flight Testing Airborne Radar Systems to Improve System Performance Mr. Mark London, NAVAIR	
Mission A	TRACK 4 <i>Net-Centric Operations</i> Session 2C4	Guiding DoD's move into the Information Age Mr. Jack Zavin, ASD(NII)/DoD CIO	Challenges in Development of System of Systems (SoS) Architectures in a Net-Centric Environment Dr. Abraham Mellich, Lockheed Martin	Break in Display Area	TRACK 4 <i>Net-Centric Operations</i> Session 2D4	Real-Time Tactical Services for the GIG Mr. John Noble, JHU Applied Physics Laboratory	Next Generation Enterprise Information Management Appliances Mr. Michael Lindow, The MITRE Corp.	
Mission B	TRACK 5 <i>Logistics</i> Session 2C5	Intro to Logistics & Supportability Mr. Jerry Beck, OSD Office of ADUSD(L&MR)	Condition Based Logistics Mr. Ron Wagner, CoBaIt Technology		TRACK 5 <i>Logistics</i> Session 2D5	FRACAS Implementation using ITLog Mr. William Jacobs, Raytheon	Creating a Logistics Health Management System Mr. Gary O'Neill, Georgia Tech Research Inst.	
Mission C	TRACK 6 <i>Integrated Diagnostics</i> Session 2C6	Intro to Integrated Diagnostics Mr. Dennis Hecht, The Boeing Company	Diagnostic Software - What your average developer doesn't know Mr. Theodore Marz, Carnegie Mellon University - Software Engineering		TRACK 6 <i>Integrated Diagnostics</i> Session 2D6	Designing for Health; A Methodology for Integrated Diagnostics/Prognostics Mr. Larry Butler, Raytheon	COTS-Based Solution for Integrated Test and Diagnostics Dr. Ion Neag, TYX Corp.	
Garden A	TRACK 7 <i>Systems Safety</i> Session 2C7	System Safety in Systems Engineering DAU Continuous Learning Module Overview Ms. Amanda Zarecky, Booz Allen Hamilton	System Safety in the Systems Engineering Process Dr. Ray Terry, SURVICE Engineering Company		TRACK 7 <i>System Safety</i> Session 2D7	Revitalizing System Safety as One of the Key Elements to Revitalizing Systems Engineering in Department of Defense Acquisition Programs Col Warren Anderson, OUSD (AT&L) Defense Systems	Linking System Safety to Systems Engineering Ms. Paige Ripani, Booz Allen Hamilton	Integrating MIL-STD-882 Mr. Rick Milnarik,
Garden E	TRACK 8 <i>Software Supportability</i> Session 2C8	Proper Specification of Software Requirements Mr. Al Florence, The MITRE Corporation	C-17 Software Development Process Mr. Hafez Lorsevedi, The Boeing Company		TRACK 8 <i>Software Supportability</i> Session 2D8	Successful Verification and Validation Based on the CMMI Model Mr. Tim Olson, Quality Improvement Consultants, Inc.	Automated Software Testing Increases Test Quality and Coverage Resulting in Improved Software Reliability Mr. Frank Salvatore, High Performance Technologies, Inc.	Software Supportability: A Software Engineering Perspective Mrs. Stephany Bellomo, SAIC

5:30 - 7:00 PM

Reception in Display Area

Wednesday, October 26, 2005

7:15 AM

Registration & Continental Breakfast

8:15 AM		10:15 AM	
<i>Regency A</i>	TRACK 1 <i>Systems Engineering Effectiveness</i> Session 3A1	Tailorable Decision Analysis and Resolution process and tools for enterprise wide application Mr. Robert Trifiletti, Jr., US Army ARDEC	Defining System Development Lifecycles to Plan and Manage Projects Effectively Mr. Bruce Boyd, The Boeing Company
<i>Regency B</i>	TRACK 2 <i>Systems Engineering Effectiveness</i> Session 3A2	Application of Risk Management across Engineering and Acquisition Ms. Rebecca Cowen-Hirsch, Defense Systems Agency	Requirements Engineering Tips and Tricks Mr. Frank Salvatore, High Performance Technologies, Inc.
<i>Regency C</i>	TRACK 3 <i>Systems Engineering Effectiveness</i> Session 3A3	Effective SE Metrics Tailored to the Acquisition Life Cycle Ms. Laura Troiola, US Army - ARDEC	Innovative Procurement Strategies Mr. David Eiband, Defense Acquisition University
<i>Mission A</i>	TRACK 4 <i>Net Centric Operations</i> Session 3A4	Joint Battle Management Command & Control RoadMap - Panel Moderators: Dr. Vitalij Garber, Ms. Robin Quinlan, DUSD (AT&L) DS/SI Panelists: Maj Gen Charles Simpson, USAF MG Michael Vane, USA	Joint Battle Management Command & Control RoadMap - Panel Moderators: Dr. Vitalij Garber, Ms. Robin Quinlan, DUSD (AT&L) DS/SI Panelists: Maj Gen Charles Simpson, USAF MG Michael Vane, USA
<i>Mission B</i>	TRACK 5 <i>Logistics</i> Session 3A5	Improving Supportability on Currently Deployed Weapon Systems Mr. John Sells, Tobyhanna Army Depot	Process for Evaluating Logistics Readiness Levels (LRLs) for Acquisition Systems Mr. Robert Ernst, NAVAIR
<i>Mission C</i>	TRACK 6 <i>Modeling & Simulation</i> Session 3A6	Improving M&S Support to Acquisition Mr. James Hollenbach, Simulation Strategies, Inc.	Improving M&S Support to Acquisition (Continued) Mr. James Hollenbach, Simulation Strategies, Inc.
<i>Garden A</i>	TRACK 7 <i>System Safety</i> Session 3A7	A Model Linking Safety, Threat and Other Critical Causal Factors to Their Mitigators" Relative to (Software, Hardware, and Human System Integration Ms. Janet Gill, NAVAIR	Mission Sustainment Through Acquisition Environment, Safety, and Occupational Health (ESOH) Risk Management Ms. Karen Gill, Booz Allen Hamilton
<i>Garden F</i>	TRACK 8 <i>Software Supportability</i> Session 3A8	Sustaining Software-Intensive Systems – A Conundrum Ms. Mary Ann Lapham, SEI	Algorithm Description Documentation and Validation Process Mr. Michael K. Bailey, Raytheon
<i>9:45 AM</i>	<i>Break in Display Area</i>	<i>9:45 AM</i>	<i>9:45 AM</i>
<i>Regency A</i>	TRACK 1 <i>Systems Engineering Effectiveness</i> Session 3B1	System Engineering, Program Management conjoined Disciplines over the Project Life Cycle Mr. William Lyders, ASSET, Inc.	Tailoring USAF Systems Engineering for the Life Cycle: One Shape, Multiple Dimensions Mr. Jeff Loren, MTC Technologies, Inc. (SAF/AQRE)
<i>Regency B</i>	TRACK 2 <i>Systems Engineering Effectiveness</i> Session 3B2	Engineering and Implementing RMS Engineering DTC Metrics Mr. Edward Casey, Raytheon Missile Systems	System Engineering Metrics Mr. James Miller, United States Air Force
<i>Regency C</i>	TRACK 3 <i>Systems Engineering Effectiveness</i> Session 3B3	Using Systems Engineering Principles to Transform R & D Into a Military System Solution Dr. James Dill, Foster-Miller	Next Generation Combat Systems - An Overview of Key Development Concepts Mr. Matthew Montoya, The JHU Applied Physics Laboratory
<i>Mission A</i>	TRACK 4 <i>Net Centric Operations</i> Session 3B4	Network-Centric Capabilities Development for Ground Mobile Forces Ms. Diane Hanf, The MITRE Corp.	Testing Net-Centric Systems of Systems: Applying Lessons Learned from Distributed Simulation Mr. R. Douglas Flournoy,
<i>Mission B</i>	TRACK 5 <i>Logistics</i> Session 3B5	The Management of Logistics in Large Scale Inventory Systems to Support Weapon System Maintenance Mr. Eugene Beardslee, SAIC	System of Systems Analysis of Future Combat System Sustainment Requirements Mr. Ivan Wolnek, The Boeing Company
<i>Mission C</i>	TRACK 6 <i>Modeling & Simulation</i> Session 3B6	Next Generation Manufacturing Technology Initiative and the Model-Based Enterprise Mr. Richard Neal, IMTI	Problem Space Modeling Mr. Jeffrey O. Grady, JOG Systems Engineering, Inc.
<i>Garden A</i>	TRACK 7 <i>System Safety</i> Session 3B7	Army Acquisition Programs' Installations, Environmental, Safety, and Occupational Health Considerations Mr. Donald Artis, Jr., Office of the DASA(ESOH)	Current DoD Acquisition Policies and Guidance on the use of MIL-STD-882D to Integrate Environment, Safety, and Occupational Health (ESOH) Considerations into the Systems Engineering Process Mr. Sherman Forbes, USAF - SAF/AQRE
<i>Garden F</i>	TRACK 8 <i>Legacy Systems Sustainment</i> Session 3B8	The Integration of Systems Engineering and Enterprise Architecture with respect to the Modernization of Legacy Systems - Panel Mr. Owen Williams, Science Applications International Corp.	The Integration of Systems Engineering and Enterprise Architecture with respect to the Modernization of Legacy Systems - Panel (Continued) Mr. Owen Williams, Science Applications International Corp.

12 Noon

Lunch Speaker: Dr. Dale Uhler, Acquisition Executive, US SOCOM

Wednesday, October 26, 2005

1:30 PM				3:30 PM				
<i>Regency A</i>	TRACK 1 <i>Systems Engineering Effectiveness</i>	Architecture Based Systems Engineering And Integration	A Complementary Approach to Enterprise Systems Engineering	<i>3:00 PM</i>	TRACK 1 <i>Systems Engineering Effectiveness</i>	Implementing SE Processes to Balance Cost and Technical Performance	A Revolutionary Model to Support Early CAIV Trades and Cost Predictions	
	<i>Session 3C1</i>	Dr. Rick Habayeb, Virginia Tech	Dr. Brian White, The MITRE Corp.		<i>Session 3D1</i>	Dr. Mary Anne Herndon, SAIC	Mr. Bryan Piggoff, InfoEdge	
<i>Regency B</i>	TRACK 2 <i>Systems Engineering Effectiveness</i>	Technical Performance Measures	Turbo Tax for Systems Engineering		TRACK 2 <i>Systems Engineering Effectiveness</i>	A Practical Application of the Non-Advocate Review	Systems Engineering and the Software Laws of Thermodynamics	Unmanned Aerial Vehicle Survivability Influence on System Life Cycle Cost
	<i>Session 3C2</i>	Mr. Jim Oakes, BAE Systems	Mr. Michael Kutch, Jr., SPAWAR		<i>Session 3D2</i>	Mr. Bruce Nishime, The Boeing Company	Dr. Thomas Christian, Jr., 402 SMXG	Mr. Charles Pedriani, SURVICE Engineering
<i>Regency C</i>	TRACK 3 <i>Systems Engineering Effectiveness</i>	Converting High-Level Systems Engineering Policy to a Workable Program	Revitalization of Systems Engineering; Past, Present and Future		TRACK 3 <i>Systems Engineering Effectiveness</i>	AFRL Systems Engineering Initiative – Risk Management for Science and Technology	System Engineered Research and Development Management	
	<i>Session 3C3</i>	Mr. James Miller, US Air Force	Ms. Karen Bausman, USAF Center for Systems Engineering		<i>Session 3D3</i>	Mr. William Nolte, USAF-AFRL	Dr. Steven Ligon, SAIC	
<i>Mission A</i>	TRACK 4 <i>Net Centric Operations</i>	What is the difference between Multi-Level Security (MLS) and Multiple Secure Levels (MSL) Architectures and why do you care?	A Network Centric Warfare Platform With Multiple Missions in Mind	<i>Break in Display Area</i>	TRACK 4 <i>Net Centric Operations</i>	Systems Engineering Analysis and Control Methods to Assure Electromagnetic Spectrum Access	A Strategy for Managing the Development and Certification of Net-Centric Services within the Global Information Grid	
	<i>Session 3C4</i>	Mr. Paul Vazquez, Jr., Raytheon NCS	Mr. Peder Jungck, CloudShield Technologies		<i>Session 3D4</i>	Mrs. Renae Carter, DISA Defense Spectrum Office	Mr. Bernal Allen, Defense Systems Agency	
<i>Mission B</i>	TRACK 5 <i>Logistics</i>	Reaping the benefits of PBL/CSL	Priming & Tuning the ERP/MRO Engine: Integrated Through-life Supportability Data Management		TRACK 5 <i>Best Practices & Standardization</i>	On the Shoulders of CMM: CMMI + COTS + OA + nNIH = less (cost) + more (capability)	CMMI for Services	
	<i>Session 3C5</i>	Ms. Denise Duncan, LMI	Mr. Patrick Read, Pennant Canada, Ltd		<i>Session 3D5</i>	Mr. Luke Campbell, NAVAIR	Mr. Juan Ceva, Raytheon RIS	
<i>Mission C</i>	TRACK 6 <i>Modeling & Simulation</i>	Update on SysML	Data Management to support M&S		TRACK 6 <i>Modeling & Simulation</i>	Enterprise Digital Data Management	The Use of Simulation in the Management of Logistics in Large Scale Inventory Systems to Support Weapon System Maintenance	Ensuring Accomplishment of Performance Based Logistics Objectives Using Model-Based Systems Engineering
	<i>Session 3C6</i>	Mr. Rick Steiner, Raytheon	Ms. Denise Duncan, LMI		<i>Session 3D6</i>	Ms. Cynthia Hauer, Millennium Data Management, Inc.	Mr. Eugene Beardslee, SAIC	Mr. Timothy Tritsch, Vitech Corp.
<i>Garden A</i>	TRACK 7 <i>System Safety</i>	Lessons Learned with the Application of MIL-STD-882D Within the Navy's Weapon System Explosives Safety Review Board	Industry perspectives and identified barriers to the use of MIL-STD-882D for integrating ESOH considerations into Systems		TRACK 7 <i>System Safety</i>	Comparisons and Contrasts Between ISO 14001, OHSAS 18001, and MIL-STD-882D and their Suitability for the Systems Engineering Process	Evolution of Military Standard 882E	USMC Expeditionary Fighting Vehicle (EFV): A Vehicle Designed with Environmental, System Safety, and Occupational Health (ESOH) in Mind
	<i>Session 3C7</i>	Ms. Mary Caro, Naval Ordnance Safety & Security Activity	Mr. Jon Derickson, United Defense		<i>Session 3D7</i>	Mr. Kenneth Dormer, USAF Contractor (SAF/AQRE)	Mr. Jimmy Turner, Raytheon	Ms. Sandra Fenwick, USMC DRPM AAA
<i>Garden F</i>	TRACK 8 <i>Legacy Systems Sustainment</i>	The Aging Transport Systems Rulemaking Advisory Committee: Background, Results and Future Impact on the Aviation Industry	Jammer Integration Roadmap		TRACK 8 <i>Legacy Systems/ Open Systems</i>	NAVAIR Integrated In-Service Reliability Program - Aging Aircraft/Keeping Legacy Systems Viable	Delivering Effective Solutions in the Age of Open Source Technology	
	<i>Session 3C8</i>	Mr. Kent Hollinger, The MITRE Corp.	Mr. Adam McCorkle, Georgia Tech Research Institute		<i>Session 3D8</i>	Ms. Debbie Vergos, Naval Air Systems Command	Mr. Edward Beck, Computer Sciences Corp.	

5:30 PM

Conference Adjourns for the Day

Thursday, October 27, 2005

7:15 AM

Registration & Continental Breakfast

		8:15 AM		10:15 AM	
Regency A	TRACK 1 <i>Systems Engineering Effectiveness</i>	A Systems Affordability Approach Using Raytheon Six Sigma Design	Requirements Engineering Tips and Tricks	TRACK 1 <i>Systems Engineering Effectiveness</i>	How the Pro-Active Program (Project) Manager uses a Systems Engineer's Trade Study as a Management Tool, and not just a Decision-Making Process
	Session 4A1	Ms. Yvette Thornton, Raytheon	Mr. Frank Salvatore, HPTI	Session 4B1	Mr. Art Felix, US Navy Mr. George Blaine, United Defense, LP
Regency B	TRACK 2 <i>Systems Engineering Effectiveness</i>	Surveying SE Effectiveness	Integrated Survivability Assessment (ISA) in the Systems Engineering Process	TRACK 2 <i>Systems Engineering Effectiveness</i>	A systems approach to Accelerating Testing, a case study
	Session 4A2	Mr. Joseph Elm, Software Engineering Institute	Mr. David H. Hall, SURVICE Engineering Company	Session 4B2	Mr. Douglas Chojcecki, Stewart & Stevenson, TVSLP Mr. Christopher Ryder, JHU Applied Physics Laboratory
Regency C	TRACK 3 <i>Systems Engineering Effectiveness</i>	10 Golden Questions for Concept Exploration and Development	The C-17 Systems Engineering Experience	TRACK 3 <i>Systems Engineering Effectiveness</i>	Performance-Based System Architecture Design in Global Hawk UAV
	Session 4A3	Dr. Dan Surber, Raytheon Technical Services Co.	Mr. Kenneth Sanger, The Boeing Company	Session 4B3	Mr. Deepak Shankar, Mirabilis Design, Inc. Mr. Rick Ludwig, Northrop Grumman Corp.
Mission A	TRACK 4 <i>Net Centric Operations</i>	Net Centric Test & Evaluation	Profiling and Testing Procedures for a Net-Centric Data Provider	TRACK 4 <i>Net Centric Operations</i>	Joint Integrated BMC4I Systems Research for Upgrading Current and Legacy BMC4I Systems
	Session 4A4	Mr. Ric Harrison, DISA	Mr. Derik Pack, Space & Naval Warfare Systems Center - Charleston	Session 4B4	Mr. Billy Bradley, Jr., Raytheon Integrated Defense Systems Ms. Denise Bagnall, Naval Surface Warfare Center
Mission B	TRACK 5 <i>Best Practices & Standardization</i>	Process Architecture and Criteria for Lessons Learned	Successful Strategies To Improve Your Requirements	TRACK 5 <i>Best Practices & Standardization</i>	Mature and Secure: Creating a CMMI and ISO/IEC 21827 Compliant Process Improvement Program
	Session 4A5	Mr. Thomas Cowles, Raytheon Space & Airborne Systems	Mr. Tim Olson, Quality Improvement Consultants, Inc.	Session 4B5	Mr. Michele Moss, Booz Allen Hamilton Mr. Paul Solomon, Northrop Grumman Corp.
Mission C	TRACK 6 <i>Modeling & Simulation</i>	Application of a State-Machine Model for the Analysis & Optimization of Task-Post-Process-Use [TPPU] and Task, Process, Exploitation and Disseminate [TPED] Processes	A Heuristics Systems Engineering Approach to Modeling and Analysis of the U.S. Strategic Highway Network (STRAHNET)	TRACK 6 <i>Modeling & Simulation</i>	Systems Engineering Approach to Research, Analyze, Model and Simulate the Interdependencies of Container Shipping and the United States Critical Infrastructure System-of-Systems
	Session 4A6	Mr. Richard Sorensen, Vitech Corp.	Mr. Gerard Ibarra, Southern Methodist University	Session 4B6	Ms. Susan Vandiver, Southern Methodist University LTC Simon Goerger, Department of Systems Engineering
Garden A	TRACK 7 <i>Education & Training in SE</i>	Educating Future Systems Engineers: US Military Academy Reception-Day Simulation and Optimization		TRACK 7 <i>Education & Training in SE</i>	Systems Engineering Professional Development and Certification
	Session 4A7	LTC Simon Goerger, Department of Systems Engineering		Session 4B7	Mr. Gerard Fisher, The Aerospace Corp. Ms. Cynthia Hauer, Millennium Data Management, Inc.
Garden F	TRACK 8 <i>Net Centric Operations</i>	The Role of the Operator and System Engineer in the Force Modernization Environment	TBA	TRACK 8 <i>Net Centric Operations</i>	JCIP: The JBMC2 Roadmap's SoSE-Based Process for Identifying and Developing Capabilities Improvements
	Session 4A8	Mr. Thomas Nelson, Jacobs Sverdrup		Session 4B8	Dr. John Hollywood, RAND Corp. Dr. Judith Dahmann, The MITRE Corp.

9:45 AM

Break in Display Area

12 Noon

Lunch at the Islandia Restaurant

Thursday, October 27, 2005

1:00 PM

3:00 PM

Regency A	TRACK 1 <i>Systems Engineering Effectiveness</i> Session 4C1	Standard Approach to Trade Studies for the Systems Engineer Mr. Art Felix, US Navy	Effective Implementation of Systems Engineering at the Aeronautical Systems Center: A Systems Engineering Tool Set Mr. Edward Kunay, US Air Force
Regency B	TRACK 2 <i>Systems Engineering Effectiveness</i> Session 4C2	Systems Engineering to Enable Capabilities-based Acquisition Ms. Kristen Baldwin, OUSD/(AT&L) DS/Systems Engineering	Are New Acquisition Programs Taking Longer to Develop/Field and If so Why? Dr. Dennis Strouble, Air Force Institute of Technology
Regency C	TRACK 3 <i>Systems Engineering Effectiveness</i> Session 4C3	A Systems Architectural Model for Man-Packable Intelligence, Surveillance, and Reconnaissance Micro Aerial Vehicles Maj Joerg Walter, AFIT/SYE	EW Integration Roadmap Mr. Byron Coker, Jr., Georgia Tech/GTRI
Mission A	TRACK 4 <i>Net Centric Operations</i> Session 4C4	Enabling Net Centric Capability through Secured Integrated Networks of Modular and Open Architectures Dr. Cyrus Azani, OSJTF/NGC	Open Systems Architecture & Standard Interfaces as Mission Capability Enablers Mr. William Mish, Jr., AMSEC
Mission B	TRACK 5 <i>Best Practices & Standardization</i> Session 4C5	TBA	What CMMI Can Learn From the PMBOK Mr. Wayne Sherer, US Army ARDEC
Mission C	TRACK 6 <i>Modeling & Simulation</i> Session 4C6	MS2 Moorestown Modeling and Simulation (M&S) Support Approach Mr. David Henry, Lockheed Martin MS2	Science-Based Modeling and Simulation on DoD High Performance Computers Dr. Larry Davis, High Performance Computing Modernization Program
Garden A	TRACK 7 <i>Education & Training in SE</i> Session 4C7	Training Your Systems Engineering Workforce Mr. Michael Kutch, Jr., SPAWAR	Filling the Expertise "Gap" Mr. John White, US Air Force
Garden F	TRACK 8 <i>Net Centric Operations</i> Session 4C8	TBA	TBA

Conference Adjourns



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Building Proven Reliability: ATK rocket motors represent a national asset, offering an affordable and sustainable way to implement America's new space exploration initiative.

Reaching New Frontiers: AK space systems are vital to reaching new frontiers in space and furthering our knowledge of the universe.

Providing Homeland Security: ATK advanced technologies and law enforcement ammunition are critical to America's efforts to defend our homeland and our citizens.

Expanding Platform Capabilities: ATK advanced weapon systems are expanding the capabilities of today's ships, aircrafts, and ground vehicles - and are preparing the way for the platforms of tomorrow and beyond.

Defending our Nation: ATK ammunition for the U.S. armed forces is playing a key role in the global war on terrorism.

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