

LOCATION

The Westin Washington, DC
City Center
1400 M St., NW
Washington, DC 20005
(202) 429-1700

ATTIRE

Appropriate dress for the Conference is business for civilians and Class A uniform or uniform of the day for military personnel.

ID BADGE

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SPEAKER DONATION

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MONDAY, JULY 21, 2014

10:00AM - 5:00PM

Registration & Displayer Set up
National Ballroom Foyer

TUESDAY, JULY 22, 2014

7:00AM - 6:00PM

Registration
National Ballroom Foyer

7:00AM - 8:00AM

Continental Breakfast
National Ballroom Foyer

8:00AM - 10:15AM

SESSION A: CONFERENCE WELCOME & KEYNOTES
National Ballroom

8:00AM - 8:15AM

Introduction & Opening Remarks
National Ballroom

- ▶ Dr. James Streilein, Contract Engineer, The MITRE Corporation; Chairman, NDIA Test & Evaluation Division
- ▶ MG Barry D. Bates, USA (Ret), Vice President of Operations, NDIA

8:15AM - 9:15AM

Keynote Address
National Ballroom



- ▶ The Honorable J. Michael Gilmore, Director, Operational Test & Evaluation, Office of the Secretary of Defense

9:15AM - 10:15AM

A Unique Test & Evaluation Perspective
National Ballroom



- ▶ Mr. Keith Williams, President & CEO, Underwriters Laboratories, Inc.

10:15AM - 10:45AM

Networking Break
National Ballroom Foyer

- 10:45AM - 11:45AM** **SESSION B: DEPARTMENT OF HOMELAND SECURITY TEST & EVALUATION**
National Ballroom
▶ Session Chair: RADM Bert Johnston, USN (Ret), Former Vice Commander, Naval Air Systems Command
- 10:45AM - 11:45AM** **Department of Homeland Security - A Test & Evaluation Perspective**
National Ballroom
▶ Dr. Steven Hutchison, Acting Director, Acquisition Support and Operational Analysis, Science & Technology Directorate, Department of Homeland Security
- 11:45AM - 1:00PM** **Walter W. Hollis Award Luncheon: Presentation for Outstanding Lifetime Achievement in Defense Test & Evaluation**
Monticello Ballroom
▶ For complete information on the Walter W. Hollis Award, see page 8
- 1:00PM - 2:00PM** **SESSION C: A TEST & EVALUATION PERSPECTIVE ON CYBER SECURITY**
National Ballroom
▶ Session Chair: Dr. Juan Vitali, Special Assistant to the Director, U.S. Army Logistics Innovation Agency (ODCS G4)
- 1:00PM - 2:00PM** **DoD Cybersecurity Test & Evaluation: Where We Were, Where We Are & Where We Are Going**
National Ballroom
▶ Mr. Peter Christensen, Test & Evaluation Integrator, The MITRE Corporation
- 2:00PM - 2:30PM** **Networking Break**
National Ballroom Foyer
- 2:30PM - 3:45PM** **BREAKOUTS: SESSIONS D-F**
National Ballroom
▶ For full Breakout Session schedule, see page 6
- 3:45PM - 3:50PM** **Session Transition**
- 3:50PM - 5:05PM** **BREAKOUTS: SESSIONS G-I**
National Ballroom
▶ For the full Breakout Session schedule, see page 7
- 5:05PM - 6:00PM** **Networking Reception (HOSTED BEER & WINE)**
National Ballroom Foyer

WEDNESDAY, JULY 23, 2014

- 7:00AM - 4:00PM** **Registration**
National Ballroom Foyer
- 7:00AM - 8:00AM** **Continental Breakfast**
National Ballroom Foyer
- 8:00AM - 10:00AM** **SESSION J: TEST & EVALUATION - AN OSD PERSPECTIVE**
National Ballroom
▶ Session Chair: Mr. James O'Bryon, President, The O'Bryon Group

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PROCEEDINGS

Proceedings will be available on the web through the Defense Technical Information Center (DTIC) two weeks after the Conference. All registered Attendees will receive an email notification once the proceedings are available.

SURVEY

A survey will be e-mailed to you after the Conference. We would appreciate your time in completing the survey to help make our event even more successful in the future.

8:00AM - 8:10AM

Introduction & Opening Remarks

National Ballroom

► Dr. James Streilein, Contract Engineer, The MITRE Corporation; Chairman, NDIA Test & Evaluation Division

8:10AM - 9:10AM

Keynote Address

National Ballroom



► Ms. Darlene Costello, Principal Deputy Assistant Secretary of Defense for Acquisition

9:10AM - 10:00AM

Insights on Test & Evaluation

National Ballroom



► Dr. C. David Brown, Deputy Assistant Secretary of Defense, Developmental Test & Evaluation; Director, Test Resource Management Center

10:00AM - 10:30AM

Networking Break

National Ballroom Foyer

10:30AM - 12:00PM

SESSION K: LEVERAGING STATISTICAL TEST & EVALUATION APPROACHES

National Ballroom

► Session Chair: Mr. William Yeakel, President, ORSA Corporation

10:30AM - 11:15AM

Defense Test & Evaluation Framework to Statistical Test Design

National Ballroom

► Dr. Suzanne Beers, Electrical Engineer, The MITRE Corporation

11:15AM - 12:00PM

Improving the Efficiency and Effectiveness of Test & Evaluation by Increasing Statistical Rigor

National Ballroom

► Dr. Bram Lillard, Technical Advisor to the Director, Operational Test & Evaluation, Institute for Defense Analysis

12:00PM - 1:30PM

Tester of the Year Awards Luncheon

Monticello Ballroom

► For complete information on the Tester of the Year Awards, see page 9

1:30PM - 4:00PM

SESSION L: UNIQUE TEST & EVALUATION PERSPECTIVES

National Ballroom

- ▶ Mr. Britt Bray, Military Analyst & Department Manager, Engility Corporation

1:30PM - 2:30PM

Department of Homeland Security Test & Evaluation Panel

National Ballroom

- ▶ Moderator: Dr. Steven Hutchison, Acting Director, Acquisition Support & Operational Analysis, Science & Technology Directorate, Department of Homeland Security
- ▶ RADM Joe Vojvodich, USCG, Director of Acquisition Programs & Program Executive Officer, U.S. Coast Guard
- ▶ Mr. Shawn McLemore, Director, OEB, U.S. Customs & Border Protection
- ▶ Mr. Andy Lee, Director, TSA Systems Integration Facility, TSA
- ▶ Dr. Susan Hallowell, Director, TSL, Science & Technology Directorate, Department of Homeland Security

2:30PM - 3:20PM

Industrial Committee on Test & Evaluation (ICOTE) Exchange Panel

National Ballroom

- ▶ Moderator: Mr. Pat Neary, Director of Systems Integration Test & Evaluation, Northrop Grumman Corporation; Chairman, NDIA Industrial Committee on Test & Evaluation (ICOTE)
- ▶ Brig Gen William J. Thornton, USAF, Director, Air, Space and Information Operations, Headquarters Air Force Materiel Command, Wright-Patterson Air Force Base
- ▶ Mr. Tom Wissink, Corporate Director, Integration, Test & Evaluation, Lockheed Martin Corporation; Conference Chair, NDIA Test & Evaluation Conference
- ▶ Mr. Bill Keegan, Vice President & Director, Test, Evaluation & Analysis, American Systems
- ▶ Ms. Sandi Gianotas, Director, Business Operations, The Boeing Company, Test & Evaluation
- ▶ Mr. Scott Craig, Deputy Director, Operational Test and Evaluation Force, U.S. Navy
- ▶ Mr. Dave Bell, The MITRE Corporation
- ▶ Mr. Joe Manas, Chief Test Architect, Raytheon Missile Systems

3:20PM - 4:00PM

Conference Synthesis Panel

National Ballroom

- ▶ Moderator: Dr. Paul Deitz, Senior Analyst, U.S. Army Material Systems Analysis Activity
- ▶ Mr. Britt Bray, Military Analyst & Department Manager, Engility Corporation
- ▶ Dr. Suzanne Beers, Electrical Engineer, The MITRE Corporation
- ▶ Dr. Lowell Tonnessen, Assistant Director, Operational Evaluation Division, Institute for Defense Analyses

This Panel serves to create a White Paper that documents and assimilates issues and recommendations that were made throughout the Conference, which has become a vital aspect of the event. The White Paper is made available to those in leadership positions who may benefit from the findings.

4:00PM

Closing Remarks & Conference Adjourns

National Ballroom

- ▶ Dr. James Streilein, Contract Engineer, The MITRE Corporation; Chairman, NDIA Test & Evaluation Division

TUESDAY, JULY 22, 2014 BREAKOUT SESSION SCHEDULE

SESSIONS D-F			
LOCATION SESSION TITLE	NATIONAL BALLROOM A SESSION D: T&E Test Methods and Tools	NATIONAL BALLROOM B SESSION E: III Posed T&E Problems	NATIONAL BALLROOM C SESSION F: Cyber Security T&E
SESSION CHAIRS	Mr. Dick Dickson, Program Manager, Jacobs Technology	Dr. Paul Deitz, Senior Analyst, U.S. Army Material Systems Analysis Activity	Mr. Michael Ray, Manager, Aberdeen Area Operation, SURVICE Engineering
2:30PM	<p>“SOFTWARE TEST AUTOMATION: LESSONS LEARNED AUTOMATING SAP SYSTEM TESTING”</p> <p>► Dr. Eric Loeb, Special Assistant, Director of Operational Test and Evaluation (DOT&E)</p>	<p>“MILITARY SYSTEMS ANALYSES IN AN ILL-POSED WORLD: DEFINING THE PROBLEM”</p> <p>► Dr. Paul Deitz, Senior Analyst, U.S. Army Material Systems Analysis Activity</p>	<p>“THE CYBERSECURITY DEVELOPMENTAL EVALUATION FRAMEWORK”</p> <p>► Dr. Suzanne Beers, Electrical Engineer, The MITRE Corporation</p>
2:55PM	<p>“MEASURES OF EFFECTIVENESS FOR NON-LETHAL WEAPONS: ALIGNING TEST & EVALUATION WITH OPERATIONAL SUCCESS”</p> <p>► Dr. Shelley Cazares, Research Staff Member, Institute for Defense Analyses</p>	<p>“MILITARY SYSTEMS ANALYSES IN AN ILL-POSED WORLD: ILLUSTRATING A SOLUTION”</p> <p>► Mr. Britt Bray, Military Analyst & Department Manager, Engility Corporation</p>	<p>“DISTRIBUTED CYBER TEST & EVALUATION”</p> <p>► Mr. Bernard “Chip” Ferguson, Deputy Director, Interoperability and Cyber Test Capability, Test Resource Management Center</p>
3:20PM	<p>“THE GPS RECEIVER: A COMMONLY OVERLOOKED TEST TOOL”</p> <p>► Mr. James Baker, Senior Principal Engineer for the Test & Certification Group, U.S. Marine Corps Tactical Systems Support Activity</p>	<p>“MILITARY SYSTEMS ANALYSES IN AN ILL-POSED WORLD: SHAPING THE TEST & EVALUATION STRATEGY ”</p> <p>► Mr. Christopher Wilcox, Senior Engineer, U.S. Army Evaluation Center</p>	<p>“NEXT GENERATION CYBER TESTING”</p> <p>► Dr. Deepinder Sidhu, Chief Technologist, TeleniX Corporation</p>
3:45PM	<p>SESSIONS D-F CONCLUDE <i>Session Transition</i></p>		

TUESDAY, JULY 22, 2014 BREAKOUT SESSION SCHEDULE *(CONTINUED)*

SESSIONS G-I			
LOCATION SESSION TITLE	NATIONAL BALLROOM A SESSION G: T&E Test Methods and Tools <i>(Continued)</i>	NATIONAL BALLROOM B SESSION H: T&E in a Financially Constrained Environment	NATIONAL BALLROOM C SESSION I: Alternate T&E Solutions
SESSION CHAIRS	Mr. Dick Dickson, Program Manager, Jacobs Technology	Dr. James Streilein, Contract Engineer, The MITRE Corporation; Chairman, NDIA Test & Evaluation Division	Dr. Lowell Tonnessen, Assistant Director, Operational Evaluation Division, Institute for Defense Analyses
3:50PM	“DEVELOPMENTAL EVALUATION FRAMEWORK THROUGHOUT THE ACQUISITION LIFECYCLE” ▶ Dr. Suzanne Beers, Electrical Engineer, The MITRE Corporation	“CAPITALIZING ON ALL TEST DATA: STATISTICAL METHODS FOR DOING MORE WITHOUT MORE” ▶ Dr. Laura Freeman, Research Staff Member, Institute for Defense Analyses	“SURVEYS IN TEST & EVALUATION” ▶ Dr. Rebecca Grier, Research Staff Member, Institute for Defense Analyses
4:15PM	“ENSURING T&E RANGES CAN MEET THE GPS INSTRUMENTATION SUSTAINMENT CHALLENGES OF THE FUTURE” ▶ Mr. Dick Dickson, Program Manager, Jacobs Technology	“PREDICTING RETURN-ON- INVESTMENT FOR LARGE SCALE SIX SIGMA & TEST AUTOMATION PROJECTS” ▶ Mr. Chet Boncek, Engineering Fellow, Raytheon Company	
4:40PM		“THE CHIEF DEVELOPMENTAL TESTER & INDUSTRY TEST LEAD: PARTNERING FOR SUCCESS” ▶ Mr. Joe Manas, Engineering Fellow, Raytheon Company	“TEST & EVALUATION: WHERE SCIENCE MEETS SUCCESS” ▶ Ms. Terri Kocher, Operations Research Analyst and Technical Director, Joint Research and Development, Inc.
5:05PM	SESSIONS G-I CONCLUDE		

WALTER W. HOLLIS AWARD

*for Lifetime Achievement in Test & Evaluation
is presented to*

VICE ADMIRAL DAVID DUNAWAY, USN

COMMANDER, NAVAL AIR SYSTEMS COMMAND



The NDIA Test & Evaluation Division presents the Walter W. Hollis Award to Vice Admiral David Dunaway, USN for Lifetime Achievement in Defense Test and Evaluation. Although his career is far from over, his contributions have been long, distinguished, and influential in test and evaluation, from test pilot to Naval SYSCOM Commander. He is a class of 1982 graduate of the U.S. Naval Academy and holds Master of Science degrees in Aeronautical Engineering from both the University of Tennessee and the Naval Postgraduate School. After receiving his wings in 1984, he served as a graduate flight instructor, flew with Strike Fighter Squadron 151 aboard the carrier USS Midway (CV 41), and was selected for the U.S. Naval Test Pilot

School in Patuxent River, Maryland. His test and evaluation assignments include: A-12 Operational Test Director with VX-5; F/A-18 Branch Head; Deputy for Test and Evaluation at the F/A-18 Weapon System Support Activity (WSSA); and F/A-18E/F Operational test director with VX-9. VADM Dunaway's Flag assignments include Commander, Naval Air Warfare Center (Weapons Division), NAVAIR Assistant Commander for Test and Evaluation, and Commander, Operational Test and Evaluation Force (COTF), Norfolk, VA. In September 2012, he assumed command of the Naval Air Systems Command in Patuxent River, MD. He has made many contributions to the test and evaluation process, including creating and instituting the Mission Based Test Design process and Integrated Evaluation Framework process that have positively impacted Navy and Department of Defense Integrated Testing efforts on Major Defense Acquisition Programs. The Mission Based Test Design has evolved into COTF's primary test design methodology. This methodology is critical to developing operational test strategies early in the acquisition process, helping to identify operational test objectives that are tied to user missions and tasks. Through his leadership, the Integrated Evaluation Framework (IEF) has become COTF's primary test planning methodology document, adding rigor, objectivity and standardization to the Operational Test process. The IEF framework has resulted in reduced costs for operational testing through the use of shared DT and OT data, and the earlier identification of system deficiencies. This short summary of VADM Dunaway's contributions to T&E highlights a productive and innovative career. He has already been well recognized, including NDIA's U.S. Navy Military Tester of the Year, the Collier Award, the David Packard Excellence Award in Acquisition, and the Aviation Week Laureate Award. His long term achievements deserve to be recognized, even as his career continues. With these accomplishments in mind, the National Defense Industrial Association has selected VADM David Dunaway as the 2014 recipient of the Walter W. Hollis Award for Lifetime Achievement in Defense Test and Evaluation.

TESTER OF THE YEAR AWARDS

*for outstanding achievement
in Test & Evaluation in 2013*

The Tester of the Year Awards are presented to outstanding individuals in the field of Test and Evaluation for acknowledgment of their accomplishments as a Civilian Tester, Military Tester, or a Contractor Tester. Each Tester of the Year was nominated by their organization and selected by the Office of the Secretary of Defense or one of the Military Service Test & Evaluation Departments in light of their achievements.

CONGRATULATIONS TO ALL WHO ARE BEING AWARDED ON THE MERIT OF THEIR 2013 ACCOMPLISHMENTS

OFFICE OF THE SECRETARY OF DEFENSE

- ▶ Military: Colonel Scott Cain, USAF
- ▶ Civilian: Mr. Dewain Smith
- ▶ Contractor: Ms. Elaine McDonell

UNITED STATES AIR FORCE

- ▶ Military: Major Jermaine S. Sailsman, USAF
- ▶ Civilian: Mr. William M. Jepson
- ▶ Contractor: Mr. Corey R. C. Kimura

UNITED STATES ARMY

- ▶ Military: Colonel Patrick Mason, USA
- ▶ Civilian: Dr. Kenneth Whigham
- ▶ Contractor: Mr. Sergio Cafarelli

UNITED STATES MARINE CORPS

- ▶ Military: Major David F. Sadlier, USMC
- ▶ Civilian: Mr. Scot A. Hoesly
- ▶ Contractor: Mr. John W. Mangan

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Raytheon Company

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Institute for Defense Analyses

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Dr. Mark Brown
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DASD, Developmental Test &
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Ms. Kathy Callahan
U.S. Army Office of Business
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Mr. Devin Cate
U.S. Air Force Test & Evaluation

Mr. Matt Cavanaugh
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Institute for Defense Analyses

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Mr. Thomas Chirhart
DHS Science & Technology
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The MITRE Corporation

Mr. Patrick Clancy
DASD, Developmental Test &
Evaluation

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General Atomics-Electromagnetic
Systems

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Mr. Alan Cleaver
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Dr. Bill D'Amico, Jr.
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Ms. Denise De La Cruz
USD(AT&L) DoD Test Resource
Management Center

Dr. Paul Deitz
U.S. Army Materiel Systems Analysis
Activity

LtCol Ed DeWald, USMC (Ret)
U.S. Marine Corps Operational Test &
Evaluation Activity

Mr. Walter Dickey
DHS Science & Technology Directorate

Mr. Dick Dickson
Jacobs Technology, Inc.

CDR Eric Drey, USCG
U.S. Coast Guard

Ms. Jessica Drucker
U.S. Government Accountability Office

VADM David Dunaway, USN
NAVAIR

Mr. AJ Durrani
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Defense Daily-Access Intelligence, LLC

Dr. Andy Endal
Stinger Ghaffarian Technologies (SGT),
Inc.

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NDIA

COL Chip Ferguson, USA (Ret)
USD(AT&L) DoD Test Resource
Management Center

LCDR David Flanigan, USN (Ret)
The Johns Hopkins University/Applied
Physics Lab

Col Andy Freeborn, USAF
U.S. Air Force Test & Evaluation

Dr. Laura Freeman
Institute for Defense Analyses

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DHS Science & Technology
Directorate

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Analytical Graphics, Inc.

Mr. Carl Heide
National Instruments Corporation

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U.S. Marine Corps Tactical Systems
Support Activity

Mr. David Hollis

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National Instruments Corporation

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Triumph Aerostructures - Vought
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Ms. Megan Leahy-Hoppa
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Physics Lab

Mr. Andy Lee
TSA

Mr. James Lee
U.S. Army HQ - G8

Mr. Larry Leiby
U.S. Army HQ - Test & Evaluation

Mr. Antonio Lema
USD(AT&L) DoD Test Resource
Management Center

Cpl Peter Lestelle, USMC
Naval Undersea Warfare Center
Division Keyport

Dr. Bram Lillard
Institute for Defense Analyses

Mr. George Little
Lockheed Martin Aeronautics
Company

Dr. Eric Loeb
Director of Operational Test &
Evaluation

Mr. Steven Lopes
Developmental Test and Evaluation

Ms. Michele Mackin
U.S. Government Accountability Office

Mr. Joe Manas
Raytheon Company

Mr. John Mangan
Lockheed Martin Aeronautics
Company

WO1 Michael Marsh, USA
NSWC, Carderock

SGM Maceo Mays, USA (Ret)
NSA

Ms. Elaine McDonell
JCLU Joint Test

Mr. Reginald McKay
U.S. Army Communications -
Electronics Command

Mr. Shawn McLemore
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Ms. Catherine Melquist
MTN Government Services

CDR John Merrill, USCG (Ret)
DHS

Ms. Jordana Mishory
Inside The Pentagon

Ms. Darlene Mosser-Kerner
DASD, Developmental Test &
Evaluation

Mr. Joe Murphy
Analytical Graphics, Inc.

Mr. Terry Murphy
DASD, Developmental Test &
Evaluation

Mr. Pat Neary
Northrop Grumman Corporation

Maj Jay Neylon, USMC (Ret)
DHS Science & Technology
Directorate

Ms. Vy Nguyen

Mr. Ryan Norman
USD(AT&L) DoD Test Resource
Management Center

Mr. James Norton
General Dynamics C4 Systems

Mr. Jim O'Bryon
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Mr. Evan Olson
Raytheon Missile Systems

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GH Parlier Consulting

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Naval Undersea Warfare Center
Division Keyport

Mr. Rick Quade
Assistant Secretary of the Navy
(RD&A, T&E)

Maj Adam Quick, USAF
U.S. Air Force SMC/EN

Ms. Eileen Redd
EWA Government Systems, Inc.

Dr. Mark Reese
Electronic Warfare Associates, Inc.

Mr. Brendan Rhatigan
Lockheed Martin Corporation

**CDR Everett Rhoades, Sr., USN
(Ret)**
Analytical Research, LLC

MAJ Glenn Russell, USA (Ret)
DHS

Maj Dave Sadlier, USMC
U.S. Marine Corps Operational Test
& Evaluation Activity

Mr. Steve Schroeder
PEO Ships, PM5 385

Mr. Bruce Schuette

Mr. Ron Schwenn
U.S. Government Accountability
Office

Col Jim Shaffer, USAF (Ret)
18 Flight Test Squadron

Mr. Gautam Shah
NASA Langley Research Center

Mr. Joe Sheehan
Analytical Graphics, Inc.

Mr. Gregory Simmons
DHS Science & Technology
Directorate

Mr. Tom Simms
DASD

Mr. Dewain Smith
Joint Interoperability Test Command

Mr. Jack Steiner
Defense Information Systems Agency

Dr. Jim Streilein
The MITRE Corporation

CDR Ernest Swauger, USN (Ret)
Joint PEO Chemical Biological
Defense

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U.S. Army HQ

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U.S. Coast Guard - RDT&E

Brig Gen Bill Thornton, USAF
U.S. Air Force HQ - AFMC/A3

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Space Dynamics Laboratory

Mr. Richard Tierney, II
DHS Science & Technology
Directorate

Mr. Tom Tomaiko
DHS Science & Technology
Directorate

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The Boeing Company

Dr. Lowell Tonnessen
Institute for Defense Analyses

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ORSA Corporation

Mr. Alan Trost
FMCS

LTC Bill Zolp, USA (Ret)
Alion Science and Technology

Mr. Ryan Vanderbilt
General Dynamics C4 Systems

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DASD, Developmental Test &
Evaluation

Dr. Juan Vitali
U.S. Army Logistics Innovation Agency

RDML Joseph Vojvodich, USCG
U.S. Coast Guard

Mr. Steve Waddell
DHS Science & Technology
Directorate

Dr. Jim Walbert
Institute for Defense Analyses

Mr. Greg Wappel
U.S. Marine Corps HQ - Technology
Services Organization

Dr. Joe Warfield, Jr.
The Johns Hopkins University/Applied
Physics Lab

COL Erik Webb, USA
DASD, Developmental Test &
Evaluation

Mrs. Emma Westerman
The RAND Corporation

Mr. Chris Wilcox
U.S. Army Test & Evaluation
Command

Lt Col Paul Wilkerson, USAF
JCLU Joint Test

Mr. Keith Williams
Underwriters Laboratories, Inc.

Mr. Anthony Winston III, P.E.
General Atomics-Electromagnetic
Systems

Mr. Tom Wissink
Lockheed Martin Corporation

CPT Andy Wong, USA (Ret)
PM DoD Biometrics