

2015

LAW ENFORCEMENT - HOMELAND SECURITY

FORUM AND TECHNOLOGY EXPOSITION

9-10 DECEMBER 2015



PROGRAM GUIDE

National Reconnaissance Office | J.D. Hill Conference Center | Chantilly, VA

*INTEGRATED INTELLIGENCE, PARTNERSHIPS &
TECHNOLOGY FOR NATIONAL SECURITY*

NATIONAL RECONNAISSANCE OFFICE

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NATIONAL RECONNAISSANCE OFFICE

14675 Lee Road
Chantilly, VA 20151-1715

9 December 2015

MEMORANDUM FOR FORUM ATTENDEES

SUBJECT: Law Enforcement - Homeland Security Forum and Technology
Exposition, 9-10 December 2015

Welcome, and thank you for attending the 2015 Law Enforcement - Homeland Security Forum and Technology Exposition!

The National Reconnaissance Office (NRO) and the Interagency Council for Applied Homeland Security Technology (ICAHST) are pleased to host this collaborative forum and technology exposition. The historical partnership of the NRO, ICAHST, National Conference Services Inc. (NCSI) and industry have significantly advanced collaboration and showcased current national and homeland security innovative technologies. Given the recent global and national activities, the relevance of the forum is significantly increased. This year's theme "Integrated Intelligence, Partnerships & Technology for National Security," continues embodiment of the Director of National Intelligence's goal to strengthen partnerships and integrate intelligence analysis and collection in the interest of national security.

I am confident this year's variety of speakers and technologies will provide beneficial mission enabler contributions across the national and homeland security community. Most importantly, we welcome your feedback to ensure this forum remains relevant to your needs.

Again, welcome to the National Reconnaissance Office!

A handwritten signature in black ink that reads "Randal C. Barber".

Randal C. Barber
Director
Mission Integration Directorate

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GENERAL INFORMATION

FORUM BADGE

For security reasons, please wear your forum badge at all times. You will not be permitted to enter sessions without it.

NOTES

Any classified notes taken during forum sessions will not be permitted to leave the auditorium. If you would like to keep any notes you take during the forum, envelopes will be provided at the front of the auditorium. Please be prepared to provide a classified mailing address, and your notes will be mailed to you at the conclusion of the forum.

MESSAGE CENTER

If you need to receive telephone messages during the forum, please direct calls to Attendee Registration at 703-808-6757. Messages will be posted on the poster located next to Attendee Registration.

COFFEE/LIGHT REFRESHMENTS

Coffee and light refreshments will be served in the Exhibit Hall during the break periods.

TECHNOLOGY EXPOSITION

The Exhibit Hall is located directly across from the auditorium in the atrium and breakout rooms. Companies will feature innovative products, solutions, and government offerings. Time has been allotted throughout the forum to visit the exhibits.

Exhibit Hall Hours:

Wednesday 8:00 AM – 6:00 PM

(Exhibits will remain open during the Networking Social)

PAYMENTS

If you need to settle your registration fee please visit Attendee Registration.

QUESTIONS OR CONCERNS

If you have any questions or concerns at any time during the forum, please do not hesitate to speak to an NCSI representative.

SAVE THE DATE

2016 LAW ENFORCEMENT - HOMELAND SECURITY FORUM

DECEMBER 14-15, 2016



| TUESDAY, DECEMBER 8 (DAY ZERO) | |
|---------------------------------------|--|
| 11:30 AM – 12:00 PM | <p>Check In/Security Briefing <i>Mr. Phil Donegan, Facilitator, National Reconnaissance Office (NRO)</i></p> |
| 12:00 PM – 12:45 PM | <p>National Reconnaissance Office (NRO) Overview NRO Director’s Demonstration Tool <i>Mr. Chris Ginther, National Reconnaissance Office (NRO)</i></p> |
| 12:45 PM – 1:30 PM | <p>National Geospatial-Intelligence Agency (NGA) Presentation <i>Mr. Duane Taylor, Chief, Customer Outreach & User Engagement Branch, NGA/ Source</i></p> |
| 1:30 PM – 2:15 PM | <p>National Security Agency (NSA) Presentation <i>Mr. Barry Boseman, Deputy NSA/CSS Representative (NCR) to Department of Homeland Security (DHS)</i></p> |
| 2:15 PM – 2:30 PM | BREAK |
| 2:30 PM – 3:00 PM | <p>Defense Intelligence Agency (DIA) Presentation <i>Mr. Thomas Burk, GOSSIP Program Office, DIA</i></p> |
| 3:00 PM – 3:30 PM | <p>Drug Enforcement Administration (DEA) Presentation <i>Mr. Thomas Walden, Section Chief, Office of Investigative Technology (S&T), DEA</i></p> |
| 3:30 PM – 4:00 PM | <p>National Geospatial-Intelligence Agency (NGA) – MAGE Presentation <i>Mr. Jack Millar, Mobile Analytic GEOINT Environment (MAGE), NGA</i></p> |
| 4:00 PM – 4:15 PM | <p>Intelligence Community – Information Technology Enterprise (IC ITE) Brief <i>Mr. Michael J. Witbeck, Director, Strategic Programs Division, Office of the IC CIO, Office of the Director of National Intelligence (ODNI)</i></p> |
| 4:15 PM – 4:45 PM | <p>National Reconnaissance Office Capabilities Presentation <i>Mr. Neil Gelberg, IMINT Directorate, National Reconnaissance Office (NRO)</i></p> |
| 4:45 PM – 5:00 PM | <p>Closing Remarks</p> |

FORUM AGENDA

| WEDNESDAY, DECEMBER 9 (DAY ONE) | |
|---------------------------------|---|
| 7:00 AM – 8:00 AM | Registration/Check In/Security Briefing <i>Mr. Frank Toomer, Facilitator, National Reconnaissance Office (NRO)</i> |
| 8:00 AM – 8:15 AM | Welcome Remarks <i>Mr. Bruce Wilson, Principal Deputy Director, Mission Integration Directorate (MID), National Reconnaissance Office (NRO)</i> |
| 8:15 AM – 9:00 AM | Distinguished Speaker - “State of Cyber Vulnerabilities” <i>Mr. John Chris Ingils, Chair, Securonix Board of Advisors, Former Deputy Director, National Security Agency (NSA)</i> |
| 9:00 AM – 9:10 AM | Introduction of Keynote Speaker <i>Mr. Bruce Wilson, Principal Deputy Director, Mission Integration Directorate (MID), National Reconnaissance Office (NRO)</i> |
| 9:10 AM – 10:00 AM | Keynote Speaker <i>Mr. Andrew McCabe, Associate Deputy Director, Federal Bureau of Investigation (FBI)</i> |
| 10:00 AM – 10:30 AM | BREAK/TECHNOLOGY EXPOSITION |
| 10:30 AM – 12:00 PM | Cyber Security Panel – “Importance of Collaboration” <i>Mr. Brett C. Leatherman, Assistant Section Chief, Cyber Division, Federal Bureau of Investigation (FBI)</i> <ul style="list-style-type: none"> • <i>Col Michael “Strike” Messer, Cyber Command (CYBERCOM)</i> • <i>Mr. Andy Kemp (Adobe Corporation)</i> • <i>Mr. James Routh (AETNA)</i> • <i>Mr. Marshall Heilman (Mandiant)</i> |
| 12:00 PM – 12:30 PM | Counterterrorism Presentation <i>Mr. Larry M. Senger, Chief, Middle East Group, National Counterterrorism Center (NCTC)</i> |
| 12:30 PM – 1:30 PM | LUNCH/TECHNOLOGY EXPOSITION |
| 1:30 PM – 1:40 PM | Introduction of Keynote Speaker <i>Mr. Bruce Wilson, Principal Deputy Director, Mission Integration Directorate (MID), National Reconnaissance Office (NRO)</i> |
| 1:40 PM – 2:30 PM | Keynote Speaker <i>Honorable James Clapper, Director of National Intelligence (DNI)</i> |
| 2:30 PM – 3:00 PM | Counterterrorism Presentation - Homegrown Violent Extremism (HVE) <i>Ms. Nikki Floris, Section Chief, Counterterrorism Division, Federal Bureau of Investigation (FBI)</i> |
| 3:00 PM – 3:30 PM | BREAK/TECHNOLOGY EXPOSITION |
| 3:30 PM – 4:15 PM | Distinguished Speaker – “Challenges to the U.S. Intelligence Community” <i>Dr. Mark Lowenthal, President, Intelligence & Science Academy, LLC;</i> <i>Author; Former Assistant Director of Central Intelligence for Analysis and Production</i> |
| 4:15 PM – 6:00 PM | NETWORKING SOCIAL/TECHNOLOGY EXPOSITION |

| THURSDAY, DECEMBER 10 (DAY TWO) | |
|--|--|
| 7:00 AM – 8:00 AM | Registration/Check In/Security Briefing <i>Mr. Boggi Chomicki, Facilitator, National Reconnaissance Office (NRO)</i> |
| 8:00AM – 8:15 AM | Remarks/Introduction of Keynote Speaker <i>Mr. Randal Barber, Director, Mission Integration Directorate (MID), National Reconnaissance Office (NRO)</i> |
| 8:15 AM – 8:45 AM | Keynote Speaker <i>Mr. William Evanina, National Counterintelligence Executive (NCIX), Office of the Director of National Intelligence (ODNI)</i> |
| 8:45 AM – 9:45 AM | Counterintelligence (CI) Case Study Presentation – “Ghost Stories” <i>Special Agent (SA) Todd Shelton, Federal Bureau of Investigation (FBI)</i> |
| 9:45 AM – 10:30 AM | Distinguished Speaker <i>Mr. Kurt Reuther, Principal Deputy Under Secretary for Intelligence and Analysis, Department of Homeland Security (DHS)</i> |
| 10:30 AM – 10:45 AM | BREAK |
| 10:45 AM – 11:15 AM | Border Security Presentation <i>Chief Benjamine Huffman, U.S. Border Patrol, Customs and Border Protection, Department of Homeland Security (DHS)</i> |
| 11:15 AM – 12:00 PM | Maritime Security Presentation <i>Captain Peter J. Hatch, Deputy Commander, Joint Task Force – Investigations (JTF-I), U.S. Coast Guard</i> |
| 12:00 PM – 12:45 PM | LUNCH |
| 12:45 PM – 1:15 PM | Distinguished Speaker - DNI/Information Sharing Environment (ISE) Presentation <i>Mr. Kshemendra Paul, Program Manager, Information Sharing Environment, ODNI</i> |
| 1:15 PM – 2:00 PM | Counterdrug/Transnational Organized Crime Presentation <i>Mr. Mark Hamlet, Special Agent in Charge (SAC), Special Operations Division (SOD), Drug Enforcement Administration (DEA)</i> |
| 2:00 PM – 2:15 PM | BREAK |
| 2:15 PM – 2:45 PM | Personnel Recovery (PR) Initiative <i>Mr. Jefferson Dubel, Deputy Director, Hostage Recovery Fusion Cell (HRFC)</i> |
| 2:45 PM – 3:15 PM | Special Presentation <i>Mr. Matthew Clower, Department of Defense</i> |
| 3:15 PM – 3:45 PM | Interagency Collaboration/Capabilities Demonstration <i>Ms. Bette Kincaid, Operations Lead, Joint Collaboration Cell –Southwest (JCC-SW)</i> |
| 3:45 PM – 4:00 PM | Counter-Unmanned Aerial Systems (C-UAS) Overview <i>Dr. Kevin Brown, Chief Scientist, Office of Science and Technology, Department of Homeland Security (DHS)</i> |
| 4:00 PM – 4:30 PM | Counter-Unmanned Aerial Systems (C-UAS) Initiative <i>Lt Col Nicholas H. Martin, Mission Integration Directorate (MID), National Reconnaissance Office (NRO)</i> |
| 4:30 PM – 4:45 PM | Closing Remarks |



KEYNOTE SPEAKER
THE HONORABLE
JAMES R. CLAPPER
Director of National Intelligence

The Honorable James R. Clapper was sworn in as the fourth Director of National Intelligence (DNI) on August 9, 2010. As DNI, Mr. Clapper leads the United States Intelligence Community and serves as the principal intelligence advisor to the President.

Mr. Clapper retired in 1995 after a distinguished career in the U.S. Armed Forces. His career began as a rifleman in the U.S. Marine Corps Reserve and culminated as a lieutenant general in the U.S. Air Force and Director of the Defense Intelligence Agency. His intelligence-related positions over his 32 years in uniform included Assistant Chief of Staff for Intelligence at U.S. Air Force Headquarters during Operations Desert Shield/Desert Storm and Director of Intelligence for three war-fighting commands: U.S. Forces Korea, Pacific Command, and Strategic Air Command. Of note, he also served two combat tours during the Southeast Asia conflict and flew 73 combat support missions in EC-47s over Laos and Cambodia.

Directly following his retirement, Mr. Clapper worked in industry for six years as an executive in three successive companies with his business focus being the Intelligence Community. Mr. Clapper also served as a consultant and advisor to Congress and to the Departments of Defense and Energy and as a member of a wide variety of government panels, boards, commissions, and advisory groups. He was a member of the Downing Assessment Task Force that investigated the Khobar Towers bombing in 1996, and was vice chairman of a commission chaired by former Governor Jim Gilmore of Virginia on the subject of homeland security.

Mr. Clapper returned to the government in September 2001 as the first civilian director of the National Imagery and Mapping Agency (NIMA). He served as Director for five years transforming it into the National Geospatial-Intelligence Agency (NGA) as it is today.

Prior to becoming the Director of National Intelligence, Mr. Clapper served for over three years in two Administrations as the Under Secretary of Defense for Intelligence, where he served as the principal staff assistant and advisor to the Secretary and Deputy Secretary of Defense on intelligence, counterintelligence, and security matters for the Department. In this capacity, he was also dual-hatted as the Director of Defense Intelligence for DNI.

Mr. Clapper earned a Bachelor's degree in Government and Politics from the University of Maryland, a Master's degree in Political Science from St. Mary's University, San Antonio, Texas, and an Honorary Doctorate in Strategic Intelligence from the then Joint Military Intelligence College.

His awards include three National Intelligence Distinguished Service Medals, two Defense Distinguished Service Medals, the Air Force Distinguished Service Medal, the Coast Guard's Distinguished Public Service Award, the Department of Defense Distinguished Civilian Service Award, and a host of other U.S. military and foreign government awards and decorations. He was named as one of the Top 100 Information Technology Executives by Federal Computer Week in 2001, and has been singled out by the NAACP in the form of its National Distinguished Service Award, and has been awarded the Presidentially-conferred National Security Medal.



KEYNOTE SPEAKER
MR. WILLIAM EVANINA
National Counterintelligence Executive (NCIX), Office of the Director of National Intelligence (ODNI)

Mr. William Evanina has 25 years of service in the U.S. Government, 18 of which are in the FBI. Prior to his selection as NCIX, he served as the chief of CIA's Counterespionage Group where he led personnel from multiple Intelligence Community agencies in an effort to identify, prevent and neutralize espionage related activities by foreign intelligence services.

Prior to his CIA assignment, Mr. Evanina served for two years as the assistant special agent in charge of the FBI's Washington Field Office, where he led operations in both the Counterintelligence and Counterterrorism Divisions.

In 2010, Mr. Evanina served as special assistant in the FBI's National Security Branch where he oversaw policy formulation, training, and finance of the National Security Branch. Prior to this role, he served as assistant section chief of the FBI's Counterintelligence Division.

Mr. Evanina began his FBI career in 1996 and was assigned to the FBI's Newark, N.J. Division where he investigated organized crime and violent crime matters. Subsequent to 9/11, he was assigned to the Joint Terrorism Task Force investigating counterterrorism matters and participated in the Flight 93, Anthrax, and Daniel Pearl investigations. Mr. Evanina was selected as a supervisory special agent within the JTTF in 2004 and led the espionage investigation of convicted spy Leandro Aragoncillo.

In 2006, Mr. Evanina served as the senior supervisory special agent of the FBI's Trenton, N.J. Resident Agency.

Mr. Evanina was born and raised in Peckville, Pa. He holds a bachelor's degree in Public Administration from Wilkes University in Wilkes Barre, Pa. and a master's degree in Educational Leadership from Arcadia University in Philadelphia, Pa. Evanina is married and has one child.



KEYNOTE SPEAKER
MR. ANDREW G. MCCABE

**Associate Deputy Director
Federal Bureau of Investigation**

Mr. Andrew G. McCabe was appointed Associate Deputy Director of the FBI in July 2015. In this position, he oversees the management of all FBI personnel, budget, administration, and infrastructure.

During his 19 years as Special Agent in the FBI, Mr. McCabe has held a wide range of operational and leadership positions. Prior to his current assignment, he was Assistant Director in Charge of the FBI's Washington Field Office where he oversaw all programs in the nation's second largest FBI field division.

Mr. McCabe began his career as a special agent with the FBI in 1996, where he was assigned to the New York Field Office. Focusing on organized crime matters, Mr. McCabe served as the supervisor of the Eurasian Organized Crime Task Force, a joint operation with the New York City Police Department.

In 2006, Mr. McCabe shifted his focus to counterterrorism matters when he was promoted to FBI headquarters in the Counterterrorism Division.

In 2008, Mr. McCabe was promoted to assistant special agent in charge of the Washington Field Office's Counterterrorism Division. He received the FBI Director's Award for his work on the 56th Presidential Inauguration.

In May 2011, Mr. McCabe returned to FBI Headquarters as deputy assistant director of Counterterrorism Division Operations Branch I. Mr. McCabe was named assistant director of the Counterterrorism Division in May 2012.

In October 2013, Mr. McCabe was appointed as executive assistant director of the National Security Branch where he ensured the FBI successfully executed its primary mission to defend the United States from national security threats.

Before entering the FBI, Mr. McCabe worked as a lawyer in a private practice. He received a Bachelor of Arts degree from Duke University in 1990 and Juris Doctor from Washington University School of Law in 1993. In 2010, Mr. McCabe was certified by the Director of National Intelligence as a senior intelligence officer. In December 2014, Mr. McCabe was awarded the Presidential Rank Award for Meritorious Service.



DISTINGUISHED SPEAKER
MR. JOHN CHRIS INGILS

**Chair, Securonix Board of Advisors
Former Deputy Director,
National Security Agency**

As the Deputy Director and senior civilian leader of the National Security Agency, Mr. Ingils acted as the Agency's chief operating officer, responsible for guiding and directing strategies, operations and policy. Prior to his retirement on January 10, 2014 Chris spent most of his recent time defending the NSA from revelations by former contractor Edward Snowden while dealing with the fallout and response to what is now the most serious data exfiltration attack ever seen from an insider.

Mr. Ingils began his career at NSA as a computer scientist within the National Computer Security Center. His NSA assignments include service across information assurance, policy, time-sensitive operations, and signals intelligence organizations. Promoted to NSA's Senior Executive Service in 1997, he subsequently served in a variety of senior leadership assignments culminating in his selection as the NSA Deputy Director. He has twice served away from NSA Headquarters, first as a visiting professor of computer science at the U.S. Military Academy (1991-1992) and later as the U.S. Special Liaison to the United Kingdom (2003-2006).

A 1976 graduate of the U.S. Air Force Academy, Mr. Ingils holds advanced degrees in engineering and computer science from Columbia University, Johns Hopkins University, and the George Washington University. He is also a graduate of the Kellogg Business School executive development program, the USAF Air War College, Air Command and Staff College, and Squadron Officers' School.

Mr. Ingils' military career included nine years active service with the U.S. Air Force and twenty one years with the Air National Guard from which he retired as a Brigadier General in 2006. He holds the rating of Command Pilot and has commanded units at the squadron, group, and joint force headquarters levels.

Mr. Ingils' significant Awards include the Clements award as the U.S. Naval Academy's Outstanding Military Faculty member (1984), three Presidential Rank Awards (2000, 2004, 2009), and the Boy Scouts of America Distinguished Eagle Scout Award (2009).

Mr. Ingils is the Chair of the Securonix Board of Advisors and currently serves as a Board Member of the Baltimore Area Council, Boy Scouts of America.



DISTINGUISHED SPEAKER
DR. MARK LOWENTHAL

President, Intelligence & Science Academy, LLC; Author; Former Assistant Director of Central Intelligence for Analysis and Production

Dr. Mark M. Lowenthal, an internationally recognized expert on intelligence, is the President and CEO of the Intelligence & Security Academy, LLC, a national security education, training and consulting company.

From 2002-2005, Dr. Lowenthal served as the Assistant Director of Central Intelligence for Analysis and Production and also as the Vice Chairman for Evaluation on the National Intelligence Council. Prior to these duties, he served as Counselor to the Director of Central Intelligence. Dr. Lowenthal was the Staff Director of the House Permanent Select Committee on Intelligence in the 104th Congress (1995-97), where he directed the committee's study on the future of the Intelligence Community, IC21: The Intelligence Community in the 21st Century. He also served in the State Department's Bureau of Intelligence and Research (INR), as both an office director and a Deputy Assistant Secretary of State, and has been the Senior Specialist in U.S. Foreign Policy at the Congressional Research Service, Library of Congress.

Dr. Lowenthal has written extensively on intelligence and national security issues, including five books and over 100 articles or studies. His most recent book, *Intelligence: From Secrets to Policy* (Sage/CQ Press, 6th ed., 2014), has become the standard college and graduate school textbook on the subject. He has also written two novels, *Crispan Magicker* (1979) and *The Great God Pan* (a Kindle e-book, 2012). Dr. Lowenthal is a frequent public commentator on intelligence issues. He has appeared on each of the major networks, the Lehrer Newshour and Charlie Rose; his op-eds have appeared in *The New York Times* and *The Washington Post*.

Dr. Lowenthal received his B.A. from Brooklyn College and his Ph.D. in history from Harvard University. He joined the adjunct faculty of the Johns Hopkins University in 2008, after 14 years as an adjunct at Columbia University. He joined the adjunct faculty of the National Intelligence University in 2015. He is the Executive Director of the International Association for Intelligence Education and a Chairman Emeritus of the Intelligence Committee for AFCEA. He is currently a member of the Board of Directors of INSA and also of the FBI Intelligence Analysts Association.

In 2005, Dr. Lowenthal was awarded the National Intelligence Distinguished Service Medal, the Intelligence Community's highest award. In 2006, he received AFCEA's Distinguished Service Award for service to the Intelligence Community. In 1988, Dr. Lowenthal was the Grand Champion on *Jeopardy!*, the television quiz show.

****Dr. Lowenthal will be available to discuss and sign his book: "Intelligence: From Secrets to Policy" (Sage/CQ Press, 6th ed., 2014), should attendees bring a copy to the Forum.****



DISTINGUISHED SPEAKER
MR. KHEMENDRA PAUL

Program Manager, Information Sharing Environment

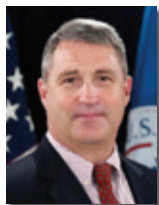
President Obama appointed Kshemendra Paul as the Program Manager for the Information Sharing Environment (PM-ISE) in July 2010. The Program Manager plans, oversees the build-out, and manages use of the Information Sharing Environment (ISE) – the ISE uses information to enhance national security and protect the American people. In this role, Mr. Paul works closely with federal, state, local, and tribal partners – as well as with the private sector and international allies – to ensure a balance of information sharing and safeguarding. He also co-chairs the White House's Information Sharing and Access Interagency Policy Committee.

Prior to his appointment, Mr. Paul served as the Federal Chief Architect in the Office of Management and Budget where he led Federal enterprise architecture activities. His tenure spanned two Administrations, 4 budgets and an \$80 billion portfolio. Mr. Paul directed initiatives that promoted innovation and transparency within the government, including Data.gov.

In 2005, Mr. Paul began his Federal service as the Chief Architect at the Department of Justice (DOJ). At DOJ, he led the delivery of the National Information Exchange Model (NIEM) across public safety, law enforcement, and homeland security sectors. He worked with federal, state, local, tribal, and private sector stakeholders on data standards and interoperability.

He has been recognized for his work by his peers, to include Federal Computer Week as one of the Federal 100 in 2006 and 2009 and by *Computer World* as one of the Premier 100 in 2008. Mr. Paul also received the 2010 Excellence in Enterprise Architect (EA) Award for Individual Leadership in EA Practice, Promotion, and Professionalization.

Before joining the Federal Government, Mr. Paul served as a group architect and product manager in the financial and technology services sectors, and has worked in a variety of entrepreneurial, technology development, and leadership roles. Mr. Paul received his M.S.E.E. (1987), B.S.E.E (1984), and B.S. (Mathematics, 1984) from the University of Maryland, College Park.



DISTINGUISHED SPEAKER **MR. KURT REUTHER**

Principal Deputy Under Secretary for Intelligence and Analysis Department of Homeland Security

Mr. Kurt Reuther has over 29 years of experience working in public safety and retired from the state of Delaware on July 1, 2013 to accept a position with the Department of Homeland Security, Office of Intelligence and Analysis, State and Local Program Office where he served as the Director of Operations. In January of 2014, Mr. Reuther was appointed Associate Deputy Under Secretary for Analysis, where he has excelled at championing the role of state and local information into unique I&A analysis. Mr. Reuther is currently the Acting Principal Deputy Under Secretary for Intelligence and Analysis responsible for leading the organization's daily activities.

In May of 2010, Mr. Reuther was appointed the Homeland Security Advisor for Delaware by Governor Jack Markell, and Secretary of Safety and Homeland Security, Lewis Schiliro. Mr. Reuther was responsible for developing and implementing homeland security policy designed to integrate all layers of government and private sector stakeholders.

Prior to joining the Department of Safety and Homeland Security, Mr. Reuther was assigned to the Delaware State Fusion Center, where he developed intelligence led response plans, administered homeland security grant funds, worked on multi-disciplinary information and intelligence sharing projects, and supported critical infrastructure protection programs.

Mr. Reuther began his public safety career with the Delaware Natural Resources Police, where he held positions of increasing responsibility within the Divisions of Parks, Marine Patrol, and Environmental Crimes.

Mr. Reuther is a graduate of the University of Delaware, the Delaware State Police Academy, and the FBI National Academy.

MR. RANDAL BARBER

Director Mission Integration Directorate, National Reconnaissance Office

Mr. Randal Barber was appointed as Director of Mission Integration Directorate at the National Reconnaissance Office (NRO) in January 2012.

Mr. Barber joined the Central Intelligence Agency (CIA) in 1986 and served as a Directorate of Intelligence careerist from 1986 through 1995 in the Office of Scientific Weapons Research as an analyst and manager. During this time he also served rotational assignments in the Directorate of Science and Technology's (DS&T), Office of Special Projects and Office of Technical Collection (OTC). In 1995, Mr. Barber became a DS&T careerist and served in the OTC as Chief of System Analysis and was promoted to

the Senior Intelligence Service in 1997. Mr. Barber then served an interim in the Office of Technical Service as a senior advisor.

Mr. Barber joined the NRO in 1998 as the Deputy Director Architectures Group, Communications Directorate and then as the Director of the Mission Integration Office. In 2002, Mr. Barber was appointed to the Director of Central Intelligence's NSA-CIA Strategic Partnership Advisory Group. He subsequently served as the Technical Director for a National-level collection program from 2003-2005.

Mr. Barber joined the Director of National Intelligence Open Source Center in June 2005 as Director of Mission Integration. He was appointed as Director, Emerging Media Group in June 2007.

Prior to assuming his current position, Mr. Barber served as the Deputy Director for the Advanced Systems and Technology Directorate at the NRO.

Mr. Barber graduated with a Bachelor of Science degree in Aeronautical Engineering from Embry-Riddle Aeronautical University in 1984 and a Master of Science degree in Aerospace Engineering from the University of Maryland in 1986.

MR. BARRY BOSEMAN

Deputy NSA/CSS Representative (NCR) at Department of Homeland Security

Mr. Barry A. Boseman joined the National Security Agency in May of 2003 as a global telecommunications analyst. During his time with the agency he has held various technical and leadership positions. Immediately prior to his current assignment as the Deputy NCR DHS, he served within the Information Assurance Directorate (IAD) as a staff officer managing the 14/CNMF relationship. Before going to IAD, Barry held several positions within the NSA/CSS Threat Operations Center (NTOC) including, one of the "first five" Cyber Mission Manager's (CMM), in the then newly organized 24/7 active defense mission of the NTOC Operations Center.

Before coming to NSA as a civilian Barry completed two tours here as an active Duty Army Officer (SIGINT). He is a graduate of the National Security Agency's (NSA) Junior Officer Cryptological Career Program (JOCCP) at Fort Meade. During the course of that competitive three year program Barry actively contributed to operational efforts throughout the Signals Intelligence Directorate (SID) and completed a challenging academic program entailing 1400 hours of instruction through the National Cryptologic School. Prior to that assignment Barry was a successful Company Commander (66th MI) in Bad Aibling, Germany.

Mr. Boseman was reared in rural Prince George County, Virginia. He later earned a bachelor's degree in Biology and minor in Journalism at Old Dominion University, in Norfolk, VA. He then served a tour as an enlisted Broadcast Journalist with the Third United States Infantry (The Old Guard). Barry then enrolled in the

Army Reserve Officer Training Corps (ROTC) at George Mason University in Fairfax, VA. He graduated there in 1991 as the Distinguished Military Graduate and earned a Master's in Public Administration. In 2004 he completed a Graduate Certificate in Telecommunications at Johns Hopkins University.

Mr. Boseman is recently married (2015) to Kathryn and they reside in Baltimore. He works to be the best father he can to his son Aaron, a 2014 graduate of University of Maryland College Park, now a Graduate Assistant at Louisiana State University. He shares eternal love and devotion to his daughter Cheyean Mariah Boseman (1995-2013).

DR. KEVIN BROWN

Chief Scientist, Office of Science and Technology Department of Homeland Security

Dr. Brown joined the U.S. Department of Homeland Security (DHS) Science and Technology in November of 2014 as the Science Advisor to the Under Secretary for Science and Technology. Dr. Brown has over 30 years of experience with the numerous government agencies driving innovative research and development, and worldwide operations. He is a quintessential inventor who also brings senior executive level management, hands-on experience developing operational products and programs for the US Government as well as breakthrough commercial products.

Dr. Brown has also been instrumental in founding several commercial starts ups and is active in the support of charity and the arts. Dr. Brown has a Ph.D in Coding Theory from the University of Leeds, in the United Kingdom.

Dr. Browns currently spearheads several DHS S&T's projects including CosmiQ, a joint DHS In-Q-Tel small satellite program and advanced studies in cybersecurity, nano-satellite sensing, disadvantage communications and cloud based analytics.

MR. THOMAS BURK

GOSSIP Program Office Defense Intelligence Agency (DIA)

Mr. Thomas Burk has 7 years' experience in the geospatial realm. He has been a Senior Geospatial Analyst with DigitalGlobe since 2011. He has worked with site selection, network analysis, area limitation, and python tool development. Mr. Burk has past experience in local government as a GIS Technician and with the Federal Government as a Geospatial Analyst. He graduated from Hampden-Sydney College with a Bachelor of Arts degree in History in 2006 and from George Mason University with a Master of Science in Geographic and Cartographic Sciences in 2008. In his spare time, Thomas enjoys running, golf, and the Washington Nationals.

MR. MATTHEW CLOWER

Department of Defense

Mr. Clower is a member of a Department of Defense forensics community engagement and support to operations team. Prior to this, he worked as the lead network analyst at a CONUS DoD field site. As the analytic engagement and reporting lead for the forensic team, he works closely with target offices, military intelligence and law enforcement analysts and agents to enable forensic enrichment of leads.

MR. JEFFERSON DUBEL

Deputy Director, Hostage Recovery Fusion Cell (HRFC)

Mr. Jefferson Dubel is currently the Deputy Director of the newly formed Hostage Recovery Fusion Cell (HRFC) responsible for coordinating USG efforts to facilitate the safe return of American hostages. He is tasked both with implementing operational requirements of a whole of government based strategy while building the structure and standard operating procedures of the task force. He came to this assignment as a Distinguished Graduate and Counterterrorism Fellow at the College of International Studies, National Defense University. Prior to that assignment he was the Political Advisor (POLAD) and Senior Civilian Representative (SCR) to the Special Operations Joint Task Force Afghanistan Commander from August 2013 responsible for ensuring the integration and coordination of U.S./NATO Special Operations and U.S. Embassy policy and objectives. He has also served as the Deputy Political Counselor at Embassy Kabul from 2012 to 2013 responsible for the day to day operations of one of the largest overseas political sections. From 2008-2012 he was the Political/Economic Counselor at Embassy Nassau, The Bahamas. In 2007-2008 he was the Senior U.S. Political Representative to the Dutch-led Provincial Reconstruction Team in Uruzgan Province, Afghanistan. Other tours include Political-Military Officer at the U.S. Mission to Vienna (UNVIE), responsible for the nuclear portfolios involving the IAEA (International Atomic Energy Agency) and CTBTO (Comprehensive Test Ban Treaty Organization); Political-Military/Consular Officer in Naha, Japan; and Management Officer at the Consulate General Krakow, Poland.

Mr. Dubel has extensive nuclear and counter-terrorism experience both in the State Department and U.S. military. While serving at UNVIE he was instrumental in drafting and implementing an international plan for reliable access to nuclear fuel. He began his Air Force career carrying special weapons and attended nuclear bomb commander training at Sandia Laboratories. He has worked closely with U.S. Special Forces during three separate Foreign Service assignments, two in Afghanistan.

Mr. Dubel speaks Polish, Japanese, and Dari languages. Prior to Joining the State Department he was a Mission Commander and Instructor Pilot in the U.S. Air Force with over 2100 hours in the F-4 and F-15. In the Air Force he served in the Philippines, Korea, Japan and several domestic assignments. Jeff Dubel has a degree in Economics from the

University of Florida and Masters of Arts in Security Studies from the National Defense University. He is also a graduate of the Air Force Joint Staff and Command College.

MR. NEIL GELBERG

IMINT Directorate, National Reconnaissance Office (NRO)

Since the 70's Neil has been working Product Quality Assurance for all the NTM imaging systems, including initializing newly launched imaging satellites so they can be fully operational for the benefit of the Intelligence Community (IC). Currently, Neil serves as the IMINT technical expert on imagery product quality and utility issues for both current and future imaging systems. He focuses on initiating and promoting innovative solutions to enhance imaging capabilities to better satisfy IC needs.

MR. MARK W. HAMLET

Special Agent in Charge, Special Operations Division Drug Enforcement Administration

As DEA's Special Agent in Charge of the Special Operations Division (SOD) since October 2014, Mr. Hamlet leads a premiere multi-agency operational coordination center, comprised of personnel from 30 participating agencies, including Federal and State law enforcement, the Intelligence Community, Department of Defense, and Foreign law enforcement. SOD utilizes seamless law enforcement strategies to attack international drug trafficking and narco-terrorism organizations by targeting their command and control communications.

Formerly a United States Marine Corps commissioned Officer, Mr. Hamlet joined DEA in 1992 as a Special Agent. From 2001-2006, he led DEA's New York Drug Enforcement Task Force, the oldest and largest multi-agency counter narcotics taskforce in the country.

From 2006-2011, at SOD, Mr. Hamlet coordinated multi-jurisdictional investigations targeting international drug trafficking organizations, and was the Assistant Special Agent in Charge for SOD's Europe/Asia/Africa section and the Counter Narco Terrorism Operations Center.

In 2011, Mr. Hamlet was assigned to Brussels Belgium, as Assistant Regional Director for the Europe/Africa Region, and served as the Acting Regional Director (2013-2014) and DEA's representative to the European Union and NATO, targeting the most significant drug, Narco-Terrorist and Money Laundering Organizations operating in Europe and Africa.

CAPTAIN PETER J. HATCH

Joint Task Force – Investigations U.S. Coast Guard

Captain Peter Hatch is currently the Deputy Director of Department of Homeland Security Joint Task Force – Investigations.

A practitioner of intelligence for over twenty-five years, Captain Hatch began his career in afloat operations. He commanded USCGC POINT CAMDEN in Southern California and served as Executive Officer of USCGC GENTIAN, the Caribbean Support Tender. As Operations Officer of USCGC CHASE, he planned interdiction operations in the Northern Arabian Gulf and led boardings that seized non-compliant sanctions violators. And he served as a Deck Watch Officer, Maritime Law Enforcement Officer and Combat Information Center Officer on USCGC MUNRO and USCGC MORGENTHAU. He has policed the maritime domains of five continents and interdicted smugglers of drugs, bulk currency, weapons, special interest aliens, oil, protected species and other contraband.

With the exception of an assignment at the White House Office of National Drug Control Policy, all of Captain Hatch's ashore assignments have been in intelligence. His entry into the intelligence profession occurred at the Coast Guard Intelligence Coordination Center, first on the Indications and Warning Watch and then as Chief of the Counter-Drug Branch. He returned twenty years later, this time as Commanding Officer of the Center. In between, he served as Deputy Chief of Intelligence Plans, Policy, and Requirements at Coast Guard Headquarters. He led the Maritime Intelligence Center in Miami, Florida and supervised the Intelligence Section of Department of Homeland Security Task Force Southeast. He also completed a special intelligence assignment in Washington, DC and served in Barranquilla, Colombia as Officer-in-Charge of the U.S. Embassy's Tactical Analysis Team.

A persistent innovator and change leader, he pioneered many improvements in Coast Guard law enforcement intelligence collection and integration. And his published papers on maritime governance, illicit supply and value chains, and maritime policing changed the way many senior leaders view the Coast Guard's contributions to National Security.

Captain Hatch graduated from the U.S. Coast Guard Academy in 1989 with a Bachelor of Science degree in Marine Engineering. He is a native of Warwick, Rhode Island. He and his wife Loren currently reside in Northern Virginia.

MR. MARSHALL HEILMAN

Vice President, Mandiant

Mr. Marshall Heilman, who has more than 16 years of experience in computer and information security, is a Vice President with Mandiant, a FireEye company. He has responsibility for all Incident Response and Red Team Operations as well as service delivery. Mr. Heilman's areas of expertise include enterprise-wide incident responses, high-tech crime investigations, secure network design and architecture, penetration testing, and strategic corporate security development. He has extensive experience working with the federal government, the defense industrial base, the financial and telecommunications industries, Fortune 100 companies, foreign governments, and global organizations. He has been on the front lines of many of the most damaging and public incidents companies have experienced over the last eight years, and he has been invited to speak about this work at security conferences worldwide.

CHIEF BENJAMINE C. HUFFMAN

Acting Deputy Chief of Law Enforcement Operations U.S. Border Patrol, Customs and Border Protection Department of Homeland Security

Chief Benjamine C. Huffman is the Deputy Chief Patrol Agent for El Paso Sector Headquartered in El Paso, Texas. He is second in command and responsible for oversight of more than 12,000 square miles of territory which consists of westernmost counties of west Texas.

Deputy Chief Patrol Agent Huffman entered on duty with the U.S. Border Patrol on February 3, 1985, as a member of Class 173. His first duty assignment as a Border Patrol agent was at the Imperial Beach Station in the San Diego Sector. In 1987, he became a member of BORTAC and has served on various missions in the Western Hemisphere including; Operation Green Blanket, operations in South Africa, and Operation Snowcap in Bolivia. In July 1996, he was promoted to Assistant Chief of the Office of Intelligence at U.S. Border Patrol Headquarters in Washington, DC. He was instrumental in the development of the Lead Intelligence Agent position to recruit and retain high-quality intelligence agents, assisted in the development of a comprehensive five-year strategic plan for the intelligence program, and was a key participant in the development of a "top-to-bottom" intelligence training program for officers, supervisors and managers. In May 2000, he was promoted to Patrol Agent in Charge of the Marfa Station in the Big Bend Sector, where he established Big Bend Sector's first Forward Operating Base in Candelaria, Texas, and developed a land navigation system for the Marfa Station. In February 2004, he was promoted to Assistant Chief Patrol Agent at Big Bend Sector Headquarters where he was responsible for several Border Patrol stations and had oversight of the Special Operation Unit, Intelligence Unit, and the Training Unit. He also had oversight over firearms, High Intensity Drug Trafficking Area, recruiting, and was the Immigration and Customs Enforcement liaison. He was promoted to Deputy Chief Patrol Agent in May 2007. Deputy Chief Huffman assumed his current position with El Paso Sector on January 27, 2014.

Throughout his 30-year career, Deputy Chief Huffman has had numerous temporary duty assignments. Most recently, he served as the Acting Director, State, Local and Tribal Liaison under the office of the Commissioner. He was responsible for advising the Commissioner, Deputy Commissioner, and program offices on the impacts of U.S. Customs and Border Protection (CBP) policies and initiatives on state, local and tribal stakeholders to ensure that state and local concerns are considered during the development of new policies and procedures. He was the Acting Director of the Special Operations Group (SOG). SOG was the global response team for CPB and consisted of Border Patrol Tactical Unit (BORTAC) and Border Patrol Search, Trauma and Rescue Units.

Deputy Chief Huffman earned an Associates of Arts Degree in Criminal Justice at South Plains Junior College in Levelland, Texas; and a Bachelor of Arts Degree in General Studies from Sul Ross State University in Alpine, Texas.

Chief Huffman is 53 years old and a native of West Texas. He and his wife, Kristi, have been married for 30 years and have three children.

MS. BETTE KINCAID

Joint Collaboration Cell - Southwest National Reconnaissance Office

Ms. Kincaid works for Lockheed Martin as the Operations Lead for the Joint Collaboration Cell – Southwest (JCC-SW). She has held this position since JCC-SW's inception in 2011 and manages the day to day operations of the cell.

MR. BRETT C. LEATHERMAN

Assistant Section Chief, Federal Bureau of Investigation (FBI), Cyber Division

Mr. Brett Leatherman is Assistant Section Chief (ASC) of FBI Cyber Division, Cyber Outreach Section, managing FBI outreach initiatives to private sector agencies, other government agencies, and critical infrastructure in the realm of both national security and criminal based cyber threats.

Prior to this role, ASC Leatherman worked as a Supervisory Special Agent in the Eurasia Cyber Operations Unit, overseeing FBI investigation and intelligence work related to nation state actors targeting U.S. companies and interests using sophisticated cyber network exploitation tools. ASC Leatherman led FBI efforts to identify and pursue cyber threat actors using all FBI authorities. ASC Leatherman has worked extensively with United States Intelligence Community partners, private sector agencies, and international law enforcement and intelligence partners to mitigate sophisticated cyber threats targeting the United States.

ASC Leatherman entered on duty with the FBI in 2003. Prior to his current responsibilities at FBI Headquarters, he served in the Cleveland and Detroit field offices. Prior to joining the FBI, ASC Leatherman served as the Director of Information Technology for a non-profit organization and graduated from Cornerstone University with an undergraduate degree in Computer Information Systems. ASC Leatherman holds several information security certifications and speaks regularly on cyber threats facing the United States and its interests.

LIEUTENANT COLONEL NICHOLAS MARTIN

Operational Integration Office (OIO), Mission Integration Directorate, National Reconnaissance Office

Lt Col Nicholas H. Martin, USAF serves as the Counter Unmanned Aerial Vehicle (C-UAS) Division Chief within Mission Integration Directorate (MID) of the National Reconnaissance Office (NRO). He also serves as the Assistant Program Manager for a classified joint Information Technology program valued at over \$180M. In this role, he leads a team of 4 government and over 100 contract personnel that provide National-level technology development and acquisition of a high-value sensor technology in support of the each of the Services, as well as Intelligence and Law Enforcement organizations. For the Army, he develops, procures, fields, and sustains sensor systems in support of the Air Vigilance program of record. Finally, he provides tactical commanders and warfighters engaged in overseas contingency operations assured receipt of near-real-time intelligence and operational information from space-based national technical means and theater tactical sensors.

MR. JACK MILLAR

Mobile Analytic GEOINT Environment (MAGE), NGA

Mr. Jack Millar is a Project Scientist with the National Geospatial-Intelligence Agency's Mobile Apps Team, exploring ways mobile apps can deliver, consume, and create geospatial data on smartphones and other portable devices. He has been working within the intelligence community since 2008 as senior cartographer, quality manager, virtual world developer and GIS system designer and administrator. Jack Millar obtained a Master's of Science in Geography from Southern Illinois University of Carbondale with his research on the spatiotemporal relationship between violent crimes, alcohol establishments, and weather conditions.

COLONEL MICHAEL "STRIKE" MESSER

U.S. Air Force, Chief-Current Operations, CYBERCOM

Colonel Michael G. Messer is the Chief of Current Operations at USCYBERCOM, Fort Meade, Maryland. As Chief, he leads a division of over 100 military, government, and contract personnel providing 24/7 command and control of full spectrum cyberspace operations spanning three lines of effort: Offensive Cyber Operations, Defensive Cyber Operations, and Department of Defense Information Network (DODIN) Operations. He is responsible for maintaining situational awareness for the Commander, reporting readiness of cyber mission forces, and conducting operational assessment of executed missions.

Prior to his current assignment, Colonel Messer served as the Senior Joint Fires, Maneuver, and Cyberspace Analyst and Cyberspace Subject Matter Expert in the Joint and Coalition Operational Analysis (JCOA) division of the Joint Staff J7. He conducted operational-level analysis for Department of Defense, theater, coalition and service leadership.

His other joint positions included at the Joint Forces Command and at the NATO CAOC Six in Eskisehir, Turkey.

Colonel Messer entered the Air Force in 1991 after completing the AF Reserve Officer Training Corps program as a Distinguished Graduate at Worcester Polytechnic Institute. He earned his wings, again as a Distinguished Graduate, from the Euro-NATO Joint Jet Pilot Training. Following assignment as a "banked-pilot", he returned to fly the F-15E and was recognized as Air Combat Command's Aircrew of Distinction. Colonel Messer has held various squadron, group and wing level leadership positions supervising joint and coalition forces. As Commander of the 80th Operations Support Squadron, he led a multinational squadron comprised of 175 permanent-party personnel and 300 student pilots from seven NATO nations. He delivered outstanding support to the 82nd Training Wing, the 80th Flying Training Wing, and ENJJPT program in joint-use airfield management, air traffic control, aviation and airspace management, aircrew flight equipment, weather services, and student training.

Colonel Messer is a command pilot with over 2,500 flying hours in the T-6, T-37, AT-38, T-38B and F-15E with 220 combat hours in Operations SOUTHERN and NORTHERN WATCH and Operation JOINT GUARDIAN. He has one daughter and two sons.

MR. JIM ROUTH

AETNA

Mr. Jim Routh is the Chief Information Security Officer and leads the Global Information Security function for Aetna. He is the Chairman of the National Health ISAC and a Board member of the FS-ISAC. He was formerly the Global Head of Application & Mobile Security for JP Morgan Chase. Prior to that he was the CISO for KPMG, DTCC and American Express and has over 30 years of experience in information technology and information security as a practitioner. He is the Information Security Executive of the Year winner for the Northeast in 2009 and the Information Security Executive of the Year in 2014 in North America for Healthcare. He has published several white papers including the FS-ISAC 3rd Party Software Security Controls paper and leads several cross functional information security working groups.

MR. ALBERT SCHULTZ

Founder of Krypteia, LLC

Mr. Albert Schultz is the founder of Krypteia LLC, a wholly-owned subsidiary of Defense Group Incorporated. He was an early user of social media, joining one of the first social networking sites in 1999. He has been exploiting social media and other Internet resources for national security missions since 2003 and is recognized as a thought leader in that area. Mr. Schultz has lectured extensively on cyber tradecraft throughout the Federal Government.

Mr. Schultz attended the University of Chicago earning a Bachelor of Arts degree (with Honors) in economics in 1985. He began his career as a government economist in 1986 but soon transitioned to foreign service, spending most of his career in Latin America. He resigned in 1999 to attend the Sloan Fellows Program of the London Business School, where he earned a Master's degree in Management (with Distinction). After a brief stint working in the City of London, Mr. Schultz returned to the United States to pursue his passion for cyber tradecraft. He founded Krypteia LLC in 2007.

SPECIAL AGENT TODD SHELTON

Federal Bureau of Investigation (FBI)

Special Agent (SA) Todd Shelton joined the FBI in 1997, and was initially assigned to the FBI's New York Field Office. There he was attached to the National Security Division working primarily foreign counterintelligence investigations. In 2007, after an extended temporary assignment to the Eurasian Section of FBI Headquarters Counterintelligence Division, SA Shelton permanently transferred to FBI Headquarters as Program Manager. In 2011, SA Shelton asked to return to field investigations, and is currently assigned to the FBI's Baltimore Field Office. SA Shelton has a BBA and MBA from Loyola College in Baltimore.

MR. DUANE TAYLOR

National Geospatial – Intelligence Agency

Mr. Taylor serves as a Supervisory GEOINT Integration Officer in NGA's Source Operations (SX), Performance and Assessments Division. He currently leads the Customer outreach & User Engagement Branch and among other things he provides support to the Commercial Imagery user, and manages SX policy, Space and Algorithm teams. Mr. Taylor has a Bachelor's Degree in Electrical Engineering and a Master's Degree in both Systems Engineering and Telecommunications. He has worked a variety of programs internal and external to NGA, which enables him to provide support to NGA's data users.

MR. THOMAS WALDEN

Section Chief, Office of Investigative Technology (S&T) Drug Enforcement Administration

Mr. Thomas L. Walden, Jr is in his 24th year with the Drug Enforcement Administration (DEA) and currently serves as the Section Chief for the Office of Investigative Technology's (ST) Technical Support Section (STS). Mr. Walden is also his agency's Liaison to the FBI's Operational Technology Division (OTD) and DEA's representative regarding Internet Governance. Mr. Walden has oversight responsibilities for DEA's Emerging Technology and Trends along with DEA's Technical Training Program and Technical Industry Outreach. In essence, Mr. Walden is responsible for DEA's ability to research emerging areas of technology and provide viable solutions to the field to combat this area of weakness. Mr. Walden, and his Section continuously researches and tests new internet protocols that are saturating the world of technology on a daily basis.

Mr. Walden began his law enforcement career in 1988 with the Virginia Beach Police Department in Virginia before joining DEA in 1991. Mr. Walden graduated from DEA's Basic Agent Class 86 in Quantico, Virginia and served as a DEA Special Agent in Norfolk (Va.), Miami (FL) and Nassau, Bahamas. Following his assignment as the Technical Operations Agent in Nassau, he was promoted to the position of Technical Operations Group Supervisor for the St Louis Field Division in 2002. In 2007, Mr. Walden was reassigned to the Office of Investigative Technology (ST) in Lorton, Virginia. During this time at ST, Section Chief Walden served as a Staff Coordinator in the Technology Working Group, and the Unit Chief of both the Radio Communications and Tracking/Sensor Units. In December, 2013, Mr. Walden was promoted to his current position at ST and assigned as DEA's Liaison to the FBI's Operational Technology Division (OTD).

Mr. Walden was born in Pittsburgh, Pennsylvania. In 1986, he received his Bachelors of Science Degree in Political Science (Public Administration) from Norfolk State University and also earned his commission as a Naval Officer through the Hampton Roads Naval ROTC Program.

MR. BRUCE WILSON

Principal Deputy Director, Mission Integration Directorate, National Reconnaissance Office

Mr. Wilson serves as the Principal Deputy Director, Mission Integration Directorate in the NRO. MID is the primary NRO focal point for both the Intelligence Community and Department of Defense customer engagement to understand user needs, provide insight and training on NRO capabilities and develops rapid solutions for integrated intelligence products, tools and services. MID prides itself on being the change agents for innovative approaches and technology, and providing unique capabilities that enable users with actionable intelligence.

Prior to this appointment, Mr. Wilson was the Senior Science & Technology Advisor to the CIA's Directorate of Intelligence assigned to the Collection, Strategies and Assessments office. In this role, he supported complex assessments of new capabilities to ensure proposed systems met user needs, and coordinated many compartmented, cross community technical collection programs.

Previously, Mr. Wilson served as the Deputy Director of Air, Space and Information Operations, HQ Air Force Space Command, and was charged to provide operations policy and guidance to organize, train and equip all Air Force space systems including Missile Warning, Protected and Wideband MILSATCOM, Global Positioning System, and Weather space programs, ICBM nuclear missile systems, and cyberspace operations and defense systems.

Mr. Wilson has over 30 years of experience in the Intelligence Community. He joined the CIA in 1981 as a summer intern in the Directorate of Operations and was a cooperative education student in Directorate of Science & Technology, Office of Technical Services and Office of Development and Engineering. After graduation, he served many years with the CIA and NRO in a wide range of technical and leadership positions to include EIS EO Imaging Systems Program Manager, Deputy Division Chief of FIA Radar Systems, Vehicle Manager, Director of Missions in IMINT Operations, Branch Chief for Imagery Processing and Production and lead project engineer for Communications, GPS, Propulsions and Attitude Control Subsystems development on multiple space programs. Mr. Wilson earned a Master's in Systems Engineering and Engineering Management degree from George Washington University and his Bachelors of Science Aeronautics and Astronautics Engineering degree from Purdue University.

MR. MICHAEL J. WITBECK

Director, Strategic Programs Division Office of the IC CIO, ODNI

In July 2014, the IC CIO named Michael Witbeck as the Director of the Strategic Programs Division (SPD). He had been serving as the Acting Director beginning in March 2014. As Director/SPD, Mr. Witbeck is responsible for all activities and resources relating to the development and monitoring of IC CIO investment planning, creating and articulating IC CIO mission and strategy, and overseeing IC CIO organizational governance. He also is responsible for developing and monitoring IC CIO program goals, guiding OCIO budget formulation and execution, and overseeing the management of all OCIO assets.

In July 2013, Mr. Witbeck joined the IC CIO to manage the Enterprise Program and Portfolio Management Group. In that capacity, he and his team were responsible for performance management, strategic planning and investment management, and enterprise business planning affecting IT programs across the Intelligence Community.

Prior to joining the IC CIO, Mr. Witbeck served as Chief of Staff for the Mission Operations Directorate at the NRO, where he was responsible primarily for the administrative support to a constellation of five mission ground stations located around the globe, as well as several Headquarters elements.

Mr. Witbeck began his government career at CIA in June 1985. He graduated from Colgate University in May 1985 with a Bachelor's degree in History, winning Phi Beta Kappa honors.

During his CIA career, Mr. Witbeck held a number of staff and management assignments, primarily in the security and resource management arenas. Between 2005 and 2012, he served as the Chief of Central Services Support. In that capacity, Mr. Witbeck managed a small but elite group of government and contractor accountants and financial consultants who ensured the effective operation of the CIA's Central Services Program (CSP). The CSP is a multi-billion dollar working capital fund that provides a variety of administrative support services to CIA and other elements of the federal government on a cost reimbursable basis.

Mr. Witbeck earned promotion into the Senior Intelligence Service in January 2003.

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CACI provides information solutions and services in support of national security missions and government transformation. The company develops innovative technologies such as its SkyTracker system, which detects, identifies, tracks, and mitigates threats from unmanned aircraft systems. A Fortune magazine World's Most Admired Company in the IT Services industry, CACI provides dynamic careers for over 16,300 employees in 120 offices worldwide.

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With LNSSI, agencies can: Detect, deter and mitigate risks, keep resources focused on the mission, deploy resources more efficiently and effectively and act quickly with data-driven decisions. LexisNexis brings over 40 years of data expertise to each solution. Our high-performance processing platform, our unparalleled data and our technological and government expertise deliver results for your agency.

Luminal

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Fugue, a product of Luminal, is an Operating System for the Cloud. Fugue builds, optimizes, monitors, and enforces cloud infrastructure—continuously and automatically. Initially being deployed on AWS (and the IC C2S), Fugue simplifies the transition to the cloud, managing applications, infrastructure, and security.

Lynda.com

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NETSCOUT – Fluke Networks Enterprise Solutions

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NetScout Systems, Inc. is the market leader in service assurance solutions that enable government agencies and private enterprises to assure the quality of the user experience for business and mobile services. NetScout's technology helps proactively manage service delivery and identify performance problems to enable faster resolution and minimize business disruption.

NexTech Solutions

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NexTech Solutions is a Service Disabled Veteran Owned Small Business (SDVOSB) Information Technology systems integrator, value added reseller (VAR), and engineering services provider. At NexTech we find emerging technologies, independently test them, and introduce them to our federal customers.

NIH NITAAC

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Drive efficiencies with faster, easier, cost-competitive IT acquisitions through NIH/NITAAC's CIO-SP3, CIO-SP3 small business, and CIO-CS OMB-authorized government-wide acquisition contracts. NITAAC GWACs have been designated a DoN strategic source and a DPAP preferred small business source. The program is housed within HHS at the National Institutes of Health Information Technology Acquisition and Assessment Center (NITAAC).



Norse Corporation

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Norse is dedicated to delivering live, accurate, and unique attack intelligence that helps our customers block attacks, uncover hidden breaches and track threats emerging around the globe. Norse offerings leverage a continuously updated torrent of telemetry from the world's largest network of dedicated threat intelligence sensors. Norse is focused on dramatically improving the performance, catch-rate, and return-on-investment for enterprise security infrastructures.

Optical Zonu Corporation

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Optical Zonu Corporation (OZC) is a privately owned high technology company located in Los Angeles, CA, specializing in the design and manufacturing of Analog Transmission, Digital Transmission, GPS, DAS, Security, CWDM and Automatic Fault Monitoring Network Subsystems. OZC is the innovator of the Micro-OTDR Fast Fiber Fault Finder iSFC® Transceiver.

PCMG

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PCMG, a value-added direct marketer of IT to the public sector. We offer Managed Services, Storage, Content Preparation Services and eProcurement solutions on a variety of contracts such as SEWP V, GSA, Netcents-2.

Raytheon | Websense

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Raytheon Cyber Products, a wholly owned subsidiary of Raytheon Company, is a leading provider of commercial-off-the-shelf cyber security solutions for government and industry.

SevOne, Incorporated

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Network Monitoring: Challenges You're in Network Operations. The boss is on the phone, asking why the network isn't operating. Do you have the information to deliver the right answer? No one likes having to say "I don't know." The scale and complexity of today's IT infrastructures, and the limits of legacy performance monitoring solutions, make blind spots, knowledge gaps and delays inevitable. The right performance monitoring platform can give you the flexibility, speed, integration, scale and data that you need to confidently answer today's toughest questions.

SMART Technologies Corporation

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SMART Technologies Collaborative Solutions enable users to enhance the presentation and distribution of digital content. Digital mark ups of presentation materials, satellite images, digital maps and .pdf materials enable you to use human interfaces into digital content. SMART Technologies Collaborative solutions work with third party video conferencing, digital conferencing and standalone applications.

Software AG Government Solutions

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Software AG Government Solutions delivers leading edge software that helps integrate together and dramatically enhance the speed and scalability of IT systems. With best-in-class software solutions for integration, SOA, BPM, and Big Data analytics, we take a "special forces" approach to solving complex IT challenges quickly and efficiently.

StorageHawk

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We specialize in technology sales and consulting to all verticals of the Federal Government. StorageHawk is most like a value-added reseller. But hardware and software from tier-one partners is just one component of the solutions we provide. The other equally essential part is our proven expertise in using products to solve technical issues inside agency data centers. For us, technologies are tools. We choose the tools according to the task and the results they produce. We've earned the trust of our customers with our no-nonsense, go-straight-to-the-solution approach to data efficiency, data Management, data performance, data security, and emerging technologies. Our customers call us to help them meet their challenges and fix their issues fast.

Syndetix, Inc.

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Syndetix, Inc. is a Service Disabled, Veteran Owned, Small Business based out of Las Cruces, NM that specializes in handheld cellphone direction-finding (DF) finishing tools used by law enforcement and military personnel the world over. Syndetix also provides high caliber engineering services for the DOD, DHS, DOJ, and civilian markets. We design, build, and engineer technologies that protect those who protect us.

Tanium

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Tanium gives the world's largest enterprises and government organizations the unique power to secure, control and manage millions of endpoints across the enterprise within seconds. Serving as the "central nervous system" for enterprises, Tanium empowers security and IT operations teams to ask questions about the state of every endpoint across the enterprise in plain English, retrieve data on their current state and execute change as necessary, all within seconds. With the unprecedented speed, scale and simplicity of Tanium, organizations now have complete and accurate information on the state of endpoints at all times to more effectively protect against modern day threats and realize new levels of cost efficiency in IT operations.

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Uncharted™ (formerly Oculus™) is the award-winning provider of the innovative data visualization solution GeoTime. GeoTime maps CDR records, GPS data and other location based information for rapid visualization, analysis and presentation. GeoTime assists law enforcement personnel with cell site analysis, mobile forensics, social media analysis and GPS data analysis. Scientifically proven to increase analyst and investigator accuracy and efficiency, GeoTime is currently used by police and intelligence agencies worldwide for criminal investigations, surveillance operations, intelligence analysis, and courtroom presentations. For more information on GeoTime, visit www.geotime.com

IMINT

IMINT Learning Center provides timely, relevant accessible education to broaden understanding of the IMINT mission and GEOINT systems and technology for cleared government, military and contractor personnel across agencies. Visit our IMINT Learning Center booth today for a free souvenir.

Information Sharing Environment

The Information Sharing Environment (ISE) is the people, projects, systems, and agencies that enable responsible information sharing across the national security enterprise. Law enforcement, defense, and intelligence personnel rely on timely and accurate information to keep America safe. The ISE makes that happen.

-Established by the Intelligence Reform and Terrorism Prevention Act of 2004 - a direct result of 9/11 Commission recommendations - a robust ISE strengthens national security by facilitating the sharing and safeguarding of terrorism-related information. The office of the Program Manager for the Information Sharing Environment (PM-ISE) strengthens the ISE by bringing federal, state, local, tribal, and private sector partners together to align the business processes, standards and architecture, security and access controls, privacy protections, and best practices on which the ISE is built.

-The success of the ISE rests on the contributions of ISE mission partners, augmented by core capabilities and ISE enablers. Frontline law enforcement, homeland security, intelligence, defense, and diplomatic personnel have different missions, but they share a common commitment to protect the American people by incorporating practices that deliver the right information to the right people at the right time.

Intelligence Community Information Technology Enterprise (IC ITE) Services

The Office of the Director on National Intelligence has designated certain organizations as Intelligence Community Information Technology Enterprise (IC ITE) Service Providers, to assume the responsibility of providing specific Information Technology (IT) capabilities. The National Security Agency (NSA) is the service provider of four IC ITE services to include; Intelligence Community Government Cloud (IC-GovCloud); Intelligence Community Applications Mall (AppsMall); and Information Transport Service (ITS). With CIA: Identification, Authentication and Authorization (IAA). Other IC ITE services/Service Providers include: * Central Intelligence Agency: Commercial Cloud Services (C2S); * DIA and NGA: IC Desktop Environment (DTE) and IC Enterprise Management (EMT); * ODNI/TBD: IC Security Coordination Center (SCC); and, * NRO: Network Requirements and Engineering (NRE).

Interagency Council for Applied Homeland Security Technology (ICAHST)

The Interagency Council for Applied Homeland Security Technology (ICAHST) is an ad hoc coalition of organizations interested in current and future information technology and geospatial intelligence issues related to Homeland Security, Law Enforcement and Counterterrorism. ICAHST provides a forum for government and related organizations to address these issues meet and share research needs, results and lessons learned. The forum has participants from over sixty organizations and includes interfacing with State and Local law enforcement for information sharing and technology development. ICAHST member-driven Working Groups address a cross-community spectrum, including geospatial intelligence, research, technology, outreach, and predictive analytics, etc. ICAHST was established by the Department of Homeland Security in 2004 as a mechanism to assist in breaking down barriers in the sharing and analysis of homeland security information as outlined in the 9/11 Commission Report.

ICAHST also hosts an academic consortium relationship with numerous universities. The University of Virginia (UVA), Falls Church, VA is supporting ICAHST's academic outreach efforts. UVA provides graduate, undergraduate and non-credit courses and online certificates programs in support of ICAHST related requirements and research needs.

Joint Counterterrorism Assessment Team (JCAT) National Counterterrorism Center (NCTC), ODNI

The Joint Counterterrorism Assessment Team (JCAT) at the National Counterterrorism Center (NCTC) is where public safety professionals – law enforcement, emergency medical services, fire service, intelligence, homeland security, and public health officials – are making a difference in the Counterterrorism Community. JCAT members are state, local, tribal and technical (SLTT) First Responders and Public Safety Professionals from around the country, working side by side with federal intelligence analysts from the National Counterterrorism Center, Department of Homeland Security, and the Federal Bureau of Investigation to research, produce and disseminate counterterrorism intelligence for you. The mission of JCAT is to improve information sharing, enhance public safety and advocate for the counterterrorism intelligence requirements and needs of these SLTT partners.

Mission Integration Division (MID)/User Engagement Office (UEO) Training and Education

Educating users on the capabilities and contributions of space reconnaissance systems and NRO specific applications to the operational requirements of military, national agencies, and intelligence community agencies. The goal is to provide the government user, analyst and operator a baseline of practical knowledge and realistic expectations of what NRO reconnaissance systems can – and cannot – do to support their mission.

- Instructional presentations on NRO reconnaissance systems focused on capabilities and limitations, derived data and intelligence products, and support to the operational user.

- Hands-on, practical training on selected NRO-developed hardware and software applications of value to the government user, analyst, or operator.

Support to a wide-range of military service, combatant command, Law Enforcement and Homeland Security-related exercises consisting of subject matter expertise, liaison, operations support, white-cell scripting, scenario development and execution, and specialized operator training and education. Most training is available via JWICS and SIPR networks as well as at the user's location.

The Collaborative Learning Environment On Networks (CLEON) is the Distance Learning arm of the MID/UEO training and Education. CLEON designs, develops, produces, and manages a complete range of online training, education, and professional development services to enhance the knowledge and mission effectiveness of NRO employees and users throughout the Intelligence Community. CLEON maintains a dynamic and interactive suite of distance education technologies designed to educate users remotely and providing administrative and technical support for content owners.

NANO Technology

The Advanced Materials for Space Programs seeks out novel materials that can engender a disruptive capability for NRO systems. After material discovery, the research model seeks to take "lab curiosities" through chemical and process changes that enable unique properties in high-volume production to allow purposeful benefit for the NRO. Other government partners are found to create high volume demands and to build domestic high-volume manufacturing capacity. Partnerships exist with AF, Navy, and OSD Defense Production Act Title, III. Research continues for ionic-liquid salts for propulsion, carbon nanotube sheets and yarns, dicyclopentadiene, black silicon, metamaterials, and additive manufacturing. Products planned for space systems and partner spin-offs include: light weight wires, multi-functional laminates; multi-functional tethers; antennas, thermo-plastics, novel adhesives; thermal gaskets; heaters, and armor.

National Geospatial - Intelligence Agency (NGA)

The NGA, S3 customer outreach & User Engagement Branch among other things ensures GEOINT products and services are understood and available across the Federal Government, Department of Defense, Law Enforcement and Intelligence Community. The team provides GEOINT users a mechanism for feedback of concerns and issues. Support specialized activities and the development of imagery algorithms for the National System for GEOINT NSG). The branch strategically engages across the federal and civil customer spectrum to communicate the value of GEOINT tools and tradecraft to identify solutions that enables users and decision-makers to obtain the data/tools needed to support their missions.

NGA's Global Enhanced GEOINT Delivery (G_EGD)/Enhanced View Web Hosting Service (EVWHS), is a commercial imagery dissemination system providing access to online, on-demand orthorectified imagery. The G-EGD/EVWHS revolutionizes how NGA delivers orthorectified commercial imagery to the user. It can be the foundation from which other GEOINT products are derived. The content is available through the Enhanced View Web Hosting Service (EVWHS), NGA Gateway, and offline via custom media generation.

National Reconnaissance University (NROU)

Strives to design and deliver learning solutions that empower people to achieve mission excellence. NROU provides value-added learning opportunities through seven schools: School of Acquisition Excellence; School of Engineering; School of Enterprise Support; School of Operations; School of Professional Development; School of Security Education; and School of Warfighter Support. NROU offers a variety of courses that are tailored to the NRO workforce and range from technical to personal development-all taught by a dedicated and knowledgeable corps of intelligence educators. NROU is committed to being the leading edge in learning: whenever, wherever to enable you to achieve Supra Et Ultra! For more information on course offerings, visit the NROU website.

NRO Media Services Center

NRO/Media Services Center (MSC) produce a diverse portfolio of visual media products that generates results within the NRO and across the Intelligence Community. MSC regularly collaborates with mission partners including ODNI, DHS, NCTC, NGA and others on a broad range of media platforms. NRO/Media Services Center is a leader in innovation. Driven by a commitment to continuous improvement, MSC adopts the latest technology to create IT solutions to national security problems using every media platform including video, web and interactive multi-media production. NRO/Media Services Center has been recognized by both the Commonwealth of Virginia and the US Senate for performance excellence in products, services and productivity.

SIGINT

The SIGINT Directorate builds and deploys an integrated worldwide network of preeminent, adaptable, and innovative overhead SIGINT reconnaissance systems. Our systems, which include organizations, processes, machines, must focus on delivering responsive, actionable intelligence and world-wide situational awareness of new and evolving threats. Integrating processes and systems within the directorate, across the NRO enterprise, and throughout the Intelligence Community will ultimately enable our Nation to more efficiently transforming response to the new and evolving threats of the 21st century. These challenges demand innovative and collaborative solutions to ensure that our vision becomes reality. Silence is their only refuge!

United States Geospatial Intelligence Foundation (USGIF)

United States Geospatial Intelligence Foundation (USGIF) is a nonprofit educational foundation dedicated to promoting the geospatial intelligence tradecraft and developing a stronger GEOINT Community with government, industry, academia, professional organizations, and individuals who develop and apply geospatial intelligence to address national security challenges. USGIF executes its mission by building the community, advancing the tradecraft, and accelerating innovation.



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