

 <p style="text-align: center;">ANSI HOMELAND SECURITY STANDARDS PANEL (ANSI-HSSP)</p> <p style="text-align: center;">NINTH ANNUAL PLENARY MEETING</p> <p style="text-align: center; background-color: #003366; color: white; padding: 5px;">NOVEMBER 9-10, 2010 ARLINGTON, VA</p> <p>ANSI-HSSP Co-Chairs: Chris Dubay, Vice President and Chief Engineer, National Fire Protection Association (NFPA)</p> <p>Gordon Gillerman, Director, Standards Services Group, National Institute of Standards and Technology (NIST)</p>	<p style="text-align: center;">ANSI Homeland Security Standards Panel Ninth Annual Plenary Meeting: U.S. – European Collaboration on Security Standardization Systems</p> <p style="text-align: center;">November 9-10, 2010</p> <p style="text-align: center;">Final Agenda</p> <p style="text-align: center;">Sheraton National Hotel 900 South Orme Street Arlington, VA 22204 Galaxy Ballroom, 16th Floor</p>
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Tuesday - November 9, 2010

8:15am-9:00am	Registration
9:00am-9:15am	<p>Welcome/Opening Remarks</p> <ul style="list-style-type: none"> • Karen Hughes, Director, Homeland Security Standards, American National Standards Institute (ANSI) • Chris Dubay, Vice President and Chief Engineer, National Fire Protection Association (NFPA)
9:15am-9:55am	<p>Keynote Address</p> <ul style="list-style-type: none"> • Rolf Dietrich, Deputy Under Secretary for Science and Technology (Acting), US Department of Homeland Security (DHS) • Dr. Alois J. Sieber, Unit Head, Security Technology Assessment, European Commission, Joint Research Centre
9:55am-10:25am	<p>Security Standardization Programming Mandate to the European Standardization Organizations</p> <ul style="list-style-type: none"> • Dr. Ignacio Montiel-Sanchez, Policy Officer, Security Research and Development Unit H3, European Commission, Directorate General, Enterprise and Industry
10:25am-10:55am	BREAK
10:55am-12:45pm	<p>Panel 1: Aviation Security Standardization</p> <p><i>This panel will focus on the need for new or revised standards for both X-ray technology for the screening of persons, cargo, and baggage (including hand-held baggage) and trace explosives detection. Together with input from plenary participants, panelists will seek to highlight what is working and what standards gaps need to be filled in order to anticipate evolving technologies. The panel presentations and following discussion will emphasize standards for technology rather than focusing on the specific threat.</i></p> <p>Moderator:</p> <ul style="list-style-type: none"> • Dr. Susan Hallowell, Director, Transportation Security Laboratory (TSL), US Department of Homeland Security (DHS)

	<p>Panelists:</p> <ul style="list-style-type: none"> • Dr. Larry Hudson, Physicist, Physical Measurement Laboratory, National Institute of Standards and Technology (NIST) • David Kontny, Chief of Staff, Office of Infrastructure Protection, US Department of Homeland Security (DHS) • Dr. Stefan R. Lukow, Trace Chemist, Transportation Security Laboratory (TSL), US Department of Homeland Security (DHS) • Klaus Keus, Institute for the Protection and Security of the Citizen, European Commission, Joint Research Centre
12:45pm-1:45pm	LUNCH
1:45pm-3:15pm	<p>Panel 2: Borders and Maritime Security Standardization</p> <p><i>This panel will facilitate an information exchange in regards to U.S. and European standardization priorities such as biometrics, video surveillance performance (e.g. how to effectively compare video systems according to a standardized process), border and travel documentation for seafarers, and standards activities related to both technology and automated algorithms. Together with input from plenary participants, panelists will seek to highlight what is working and what standards gaps need to be filled.</i></p> <p>Moderator:</p> <ul style="list-style-type: none"> • Michael Hogan, Standards Liaison, Information Technology Laboratory, National Institute of Standards and Technology (NIST) <p>Panelists:</p> <ul style="list-style-type: none"> • Klaus Keus, Institute for the Protection and Security of the Citizen, European Commission, Joint Research Centre • Charles Piersall, Chairman, ISO/TC 8 (Ships and marine technology) • Will Graves, Chief of Biometric Standards and Technical Innovation Projects, US-VISIT, US Department of Homeland Security (DHS)
3:15pm-3:30pm	BREAK
3:30pm-5:00pm	<p>Panel 3: Conformity Assessment Systems</p> <p><i>This panel will seek to identify current conformity assessment efforts underway in Europe and/or the U.S. Examples include activities such as the ANSI ASQ National Accreditation Board Accreditation Program to ISO 28000 – Supply Chain Management Systems and the Domestic Nuclear Detection Office’s (DNDO) Graduated Rad/Nuc Detector Evaluation and Reporting Program (GRaDER).</i></p> <p>Moderator:</p> <ul style="list-style-type: none"> • Lane Hallenbeck, Vice President, Accreditation Services, American National Standards Institute (ANSI) <p>Panelists:</p> <ul style="list-style-type: none"> • Caroline Purdy, Principal Deputy Assistant Director, Systems Engineering & Evaluation Directorate (SEED), Domestic Nuclear Detection Office (DNDO), US Department of Homeland Security (DHS) • Peter Boyce, Senior Business Manager, Security Management Systems, Asia, LRQA
5:00pm-6:30pm	Cocktail Reception

Wednesday – November 10, 2010	
8:15am-9:00am	BREAKFAST
9:00am–11:00am	<p>Panel 4: Global Supply Chain Security Standardization</p> <p><i>This panel will facilitate a discussion on standards activities currently underway in Europe and the U.S. related to land, sea, and air cargo security. Additionally, panelists and plenary participants will highlight specific topics on what is working and what standards gaps need to be filled. The discussion will also highlight current efforts to use standards as part of an emerging National Strategy for Supply Chain Security as well as linkages to Global Supply Chain Comprehensive National Cybersecurity Initiative's Supply Chain Risk Management (CNCI-SCRM) efforts.</i></p> <p>Moderator:</p> <ul style="list-style-type: none"> • David Taylor, Cargo Program Manager, US Department of Homeland Security (DHS) <p>Panelists:</p> <ul style="list-style-type: none"> • Charles Piersall, Chairman, ISO/TC 8 (Ships and marine technology) • Craig K. Harmon, President & CEO, Q.E.D. Systems • Kang Lee, Electronics Engineer, Engineering Laboratory, National Institute of Standards and Technology (NIST) • Klaus Keus, Institute for the Protection and Security of the Citizen, European Commission, Joint Research Centre • Don Davidson, Chief, Outreach & Standardization, Trusted Mission Systems and Networks, OASD (NII)/DoD CIO, US Department of Defense
11:00am-11:30am	BREAK
11:30am-12:30pm	<p>Panel 5: Preparedness and Crisis Management Standardization</p> <p><i>This panel will facilitate a dialogue on how Europe and the U.S. can jointly collaborate to address standardization needs, specifically in regards to establishing a common list of standards and reference terms for managing crisis situations, harmonization of existing standards for interoperable communications amongst various nations, and conducting an impact assessment to address the need for common data standards. Additionally, topics where work is well underway in regards to community and private sector preparedness efforts will be highlighted (e.g. Private Sector Voluntary Certification Program (PS-Prep) and ISO/TC 223 – Societal Security) in efforts to best coordinate among Europe and the U.S.</i></p> <p>Moderator:</p> <ul style="list-style-type: none"> • Krister Kumlin, Senior Advisor, Swedish Civil Contingencies Agency, MSB & Chairman, ISO/TC 223 (Societal security) <p>Panelists:</p> <ul style="list-style-type: none"> • Dr. Alois J. Sieber, Unit Head, Security Technology Assessment, European Commission, Joint Research Centre • Klaus Keus, Institute for the Protection and Security of the Citizen, European Commission, Joint Research Centre • Denis Gusty, Branch Chief, Knowledge Management Tools, US Department of Homeland Security (DHS) • Dereck Orr, Program Manager for Public Safety Communications, National Institute of Standards and Technology (NIST)

	<ul style="list-style-type: none"> • Mark Reichardt, President and CEO, Open Geospatial Consortium, Inc. (OGC) • Donald Grant, Director, Incident Management Systems Integration Division, National Preparedness Directorate, Federal Emergency Management Agency (FEMA), US Department of Homeland Security (DHS)
12:30pm-1:45pm	LUNCH
1:45pm-2:45pm	Panel 5: Preparedness and Crisis Management Standardization (continued)
2:45pm-3:45pm	<p>Open Discussion: Based on what standards we know exist, can we identify the gaps that need to be filled and what are the priorities for European-U.S. collaboration?</p> <ul style="list-style-type: none"> • What works? • What doesn't work? • What needs more research, development, or refinement? • Roles of public/private sectors. • Upcoming opportunities. <p>Moderator:</p> <ul style="list-style-type: none"> • Gordon Gillerman, Director, Standards Services Group, National Institute of Standards and Technology (NIST)
3:45pm-4:00pm	<p>Closing Remarks</p> <p>Moderator:</p> <ul style="list-style-type: none"> • Gordon Gillerman, Director, Standards Services Group, National Institute of Standards and Technology (NIST)
4:00pm	Adjournment

ANSI would like to thank the following sponsors:



Appendix A – Registration List as of November 4, 2010

First Name	Last Name	Organization
Akmal	Ali	U.S. Department of Homeland Security (DHS)
Jared	Babin	Transportation Security Administration
Melissa	Babin	U.S. Department of Homeland Security (DHS)
Dan	Bart	Valley View Corporation
Richard	Bielen	National Fire Protection Association (NFPA)
William	Billotte	National Institute of Standards and Technology (NIST)
Peter	Boyce	LRQA
Jerry	Brashear	ASME - Innovative Technologies Institute
Roberta	Breden	U.S. Department of Homeland Security (DHS)
Tim	Brennan	National Institute of Standards and Technology (NIST)
Edward	Bromberg	L-3 Communications CyTerra
Joseph	Broz	Defense Capital Advisors, LLC
Willie	Camp	U.S. Department of Homeland Security (DHS)
Carles	Cardona	OEA Consultores
Jessica	Carl	American National Standards Institute (ANSI)
Kathleen	Carroll	HID Global
Stephanie	Carroll	American National Standards Institute (ANSI)
George	Cavage	iControl Inc.
Asok	Chatterjee	Ericsson Inc.
Jin	Chun	Orbital Sciences Corp
Tod	Companion	U.S. Department of Homeland Security (DHS)
Jerome	Conrad	U.S. Department of Homeland Security (DHS)
Thomas	Coty	U.S. Department of Homeland Security (DHS)
Bert	Coursey	U.S. Department of Homeland Security (DHS)
James	Creel	ASME - Innovative Technologies Institute
Don	Davidson	U.S. Department of Defense
Rolf	Dietrich	U.S. Department of Homeland Security (DHS)
Chris	Dubay	National Fire Protection Association (NFPA)
Robert	DuPuy	LRQA
Marshall	Epler	Washington Metropolitan Area Transit Authority (WMATA)
Bjorn	Ericsson	Svensk BevakningsTjanst AB
Al	Fatah	National Institute of Standards and Technology (NIST)
William	Ferguson	NYK Line (North America) Inc.
Jeffrey	Fishbeck	Stanley Associates, Inc.
Art	Fisher	Strategic Responsive Initiatives, LLC
William	Ford	U.S. Department of Justice
Gordon	Gillerman	National Institute of Standards and Technology (NIST)
Juan	Gonzalez	U.S. Department of Homeland Security (DHS)
Donald	Grant	U.S. Department of Homeland Security (DHS)
Will	Graves	U.S. Department of Homeland Security (DHS)
Mark	Greene	U.S. Department of Justice
Jesper	Gronvall	Embassy of Sweden
Denis	Gusty	U.S. Department of Homeland Security (DHS)
Lane	Hallenbeck	American National Standards Institute (ANSI)
Susan	Hallowell	U.S. Department of Homeland Security (DHS)
Jennifer	Halverson	U.S. Department of Homeland Security (DHS)
Douglas	Ham	U.S. Department of Homeland Security (DHS)
Craig	Harmon	QED Systems
Patricia	Harris	National Institute of Standards and Technology (NIST)

Fred	Hayes	Packaging Machinery Manufacturers Institute (PMMI)
John	Heavener	Parsons
Susan	Henry	U.S. Coast Guard
Gwen	Hess	U.S. Department of Homeland Security (DHS)
Matthew	Hickman	U.S. Department of Homeland Security (DHS)
Kathleen	Higgins	U.S. Department of Homeland Security (DHS)
Michael	Hogan	National Institute of Standards and Technology (NIST)
Larry	Hudson	National Institute of Standards and Technology (NIST)
Karen	Hughes	American National Standards Institute (ANSI)
Adam	Isles	Raytheon Company
Jean	Johnson	National Electrical Manufacturers Association (NEMA)
Klaus	Keus	Institute for the Protection and Security of the Citizen, Joint Research Center of the European Commission (JRC)
Lars	Kjaer	World Shipping Council
Robert	Knetl	Georgia Tech Research Institute
Astrid-Christina	Koch	Joint Research Center of the European Commission (JRC)
David	Kontry	U.S. Department of Homeland Security (DHS)
Scott	Kravis	Control Screening
Krister	Kumlin	Swedish Civil Contingencies Agency, MSB & Chairman, ISO/TC 223 (Societal security)
Gary	Kushnier	American National Standards Institute (ANSI)
Kang	Lee	National Institute of Standards and Technology (NIST)
Brian	Limperopulos	International Association of Movers
Stefan	Lukow	U.S. Department of Homeland Security (DHS)
Jonas	Maciulis	Honeywell International
Daniel	Madson	Science Applications International Corp. (SAIC)
Al	Manii	Transport Canada
Ruediger	Marquardt	German Institute for Standardization (DIN)
Jennifer	Marshall	National Institute of Standards and Technology (NIST)
Ileana	Martinez	National Institute of Standards and Technology (NIST)
Harry	Massey	National Electrical Manufacturers Association (NEMA)
Philip	Mattson	U.S. Department of Homeland Security (DHS)
Alex	McLellan	Homeland Security Studies and Analysis Institute
Andrew	McNeice	Cathay Seal LLC
Geraldine	Mijares	U.S. Department of Homeland Security (DHS)
Ed	Mitchell, Jr.	Weatherford International
Stephen	Molitor	National Electrical Manufacturers Association (NEMA)
Ignacio	Montiel-Sanchez	European Commission, Directorate General, Enterprise and Industry
Ashley	Moore	U.S. Department of Homeland Security (DHS)
Yonas	Nebiyeloul-Kifle	Homeland Security Studies and Analysis Institute
Dereck	Orr	National Institute of Standards and Technology (NIST)
Ted	Osinski	MET Laboratories
Laura	Parker	U.S. Department of Homeland Security (DHS)
Michael	Paul	U.S. Department of Homeland Security (DHS)
Nick	Paulter	National Institute of Standards and Technology (NIST)
Charles	Piersall	Chairman, ISO/TC 8 (Ships and marine technology)
Anthony	PolICASTRO	Smiths Detection, Inc.
Marcus	Pollock	U.S. Department of Homeland Security (DHS)
Caroline	Purdy	U.S. Department of Homeland Security (DHS)

Erik	Puskar	National Institute of Standards and Technology (NIST)
Paul	Ragsdale	U.S. Department of Homeland Security (DHS)
Mark	Reichardt	Open Geospatial Consortium, Inc. (OGC)
Joe	Reiss	AS&E
Francois	Richard	Embassy of France
Cassandra	Robinson	Savannah River National Laboratory
Solveig	Roschier	Tekes at the Embassy of Finland
Daniel	Rosen	Morpho Detection, Inc.
Paul	Ross	Dynamic Security Concepts, Inc.
Wade	Sapp	American Science & Engineering
Fran	Schrotter	American National Standards Institute (ANSI)
Heather	Shaver	Smiths Detection, Inc.
Peter	Shebell	U.S. Department of Homeland Security (DHS)
Fazal	Sheikh	U.S. Department of Homeland Security (DHS)
Alois	Sieber	Joint Research Center of the European Commission (JRC)
Charles	Sleeper	U.S. Department of Homeland Security (DHS)
Aires	Soares	Joint Research Center of the European Commission (JRC)
Robert	Stenner	Pacific Northwest National Laboratory
Mark	Stolorow	National Institute of Standards and Technology (NIST)
Christoph	Stroschein	German European Security Association e.V. (GESA)
Greg	Struba	U.S. Department of Homeland Security (DHS)
Bernard	Sullivan	PPG Industries
David	Taylor	U.S. Department of Homeland Security (DHS)
William	Taylor	Washington Metropolitan Area Transit Authority (WMATA)
Anna	Tedeschi	U.S. Department of Homeland Security (DHS)
Malisa	Troutman	U.S. Department of Homeland Security (DHS)
Michael	Unterweger	National Institute of Standards and Technology (NIST)
Richard	Vandame	U.S. Department of Homeland Security (DHS)
Bob	Vondrasek	National Fire Protection Association (NFPA)
Jeff	Waters	SSC Pacific
Peter	Weaver	ILTA
Derrick	Wigglesworth	Washington Metropolitan Area Transit Authority (WMATA)
Larry	Williams	Homeland Security Studies and Analysis Institute
Marjorie	Windelberg	University of Maryland
Kay	Winn	CSA America, Inc.
Robert	Zimmerman	Homeland Security Studies and Analysis Institute

Appendix B – Speaker Biographies

Peter Boyce

Responsible for the development, implementation and management of LRQA Global Certification services for Supply Chain Security as well as Business Continuity Management in Asia.

His recent activities include working with regulators for the adoption of ISO 31000 – Risk Management and the establishment of ISO 28000 – Security Management Systems for the Supply Chain as the common architecture for Customs Authorised Economic Operator (AEO) programs.

Prior experience includes;

- Manager, Security Training Services – Corporate Training, Qatar Petroleum
- Security and risk management consultant, expert witness and auditor.
- Management Systems Auditor – Quality Society of Australasia
- Chairman and Drafting Author, Australian Standard AS 4485 – Security for healthcare facilities
- Security and Emergency Manager, Queensland Hospital
- Australian Federal Government Security, Training, Operations and Management.
- Australian Federal Government, Airport Security Establishment Team.
- Australian Federal Police – Specialist services

Don Davidson

Mr. Davidson is currently assigned to Trusted Mission Systems and Networks, formerly known as the Globalization Task Force (GTF) in the Office of the Assistant Secretary of Defense for Networks and Information Integration and DoD Chief Information Officer (OASD-NII / DoD CIO), where he serves as Chief for Outreach & Standardization on the Comprehensive National CyberSecurity Initiative (CNCI) task #11, responsible for improving Supply Chain Risk Management for Information Communications Technology capabilities (ICT SCRM) across the US government.

He has 35 years of federal service to include 11 years active duty, as well as civilian assignments in Army Research Laboratory, Army Materiel Command, Army Secretariat, US Joint Forces Command, OSD-Acquisition, Technology & Logistics (AT&L) and now OASD-Networks and Information Integration (NII). He currently chairs a Global ICT-SCRM Ad-Hoc WG under American National Standards Institute / International Committee for Information Technology Standards (ANSI / INCITS). He serves as the government Co-Chair for the Acquisition & Outsourcing Working Group with the Software Assurance Program; SwA Program is a public-private partnership effort sponsored by DHS, DoD and DoC (NIST). He also serves as the Director for Defense Applications with SOLE, the International Society of Logistics (SOLE is a 501c3 not-for-profit organization).

He is a graduate of Brookings Institute's Executive Leadership 1 & 2 (2005), UNC's LOGTECH at Kenan-Flagler Business School of the University of North Carolina at Chapel Hill (2007) and the Defense Leadership and Management Program (DLAMP, 2008).

He has a Bachelor of Science Degree in Engineering from USMA at West Point NY (1978) and a Master of Science Degree in National Security Strategy with concentration in Information Resources Management from the National War College (NWC) at National Defense University (2004).

Rolf Dietrich

Mr. Rolf Dietrich assumed the duties of the Acting Deputy Under Secretary for Science and Technology Directorate for the Department of Homeland Security (DHS S&T) in July 2010.

Prior to this, he served as the Deputy Director of Research for DHS S&T, where he oversaw the integration of the basic research portfolio activities in the six divisions within DHS S&T (Explosives; Chemical/Biological; Command, Control, & Interoperability; Borders/Maritime; Human Factors; and Infrastructure/Geophysical) in support of DHS mission areas.

Mr. Dietrich has 34 years of experience in management, management consulting, engineering, application of technology, proposal development, and operation and sustainment of remote operations. In 12 ½ years at SAIC, he served as a line manager, program manager, technical director, project manager, and quality assurance manager. Earlier, he spent 20 years in the U.S. Navy in numerous positions of responsibility, culminating in command of a nuclear submarine. He has been with DHS S&T since January 2007; the first year of which he served simultaneously as the Deputy Director of Innovation, Deputy Director of Homeland Security Advanced Research Projects Agency (HSARPA), and the Director of Homeworks – responsible for the highest risk but highest potential reward programs at DHS S&T.

A member of Sigma Xi, Mr. Dietrich holds a B.S. in Mathematics from the U.S. Naval Academy, M.S. degrees in Mechanical Engineering and Ocean Engineering from MIT, and an MBA in International Business from the University of Maryland. He also is a graduate of the U.S. Naval Officer Nuclear Power School and holds a Professional Engineer's license in Virginia.

Christian Dubay

Mr. Dubay is Vice President and Chief Engineer at NFPA and oversees the Codes and Standards Technical Operations of the Association consisting of: Electrical Engineering, Fire Protection Applications & Chemical Engineering, Public Fire Protection, Building & Life Safety, and Codes and Standards Administration. He is responsible for the overall administration of NFPA's codes and standards, which develops the 300+ fire safety codes and standards that comprise the National Fire Codes; he serves as chief technical spokesperson for the Association.

Prior to assuming responsibility for NFPA's Technical Operations, Mr. Dubai served as Principal Fire Protection Engineer for NFPA's Automatic Sprinkler Systems Project which includes: NFPA 13, NFPA 13R, NFPA 13D, NFPA 24, NFPA 291 and NFPA 750, Standard on Water Mist. Mr. Dubai was editor for the 9th and 10th Editions of the Automatic Sprinkler Systems Handbook and the 1st Edition of the Residential Sprinkler Systems Handbook. He has been an instructor at NFPA's sprinkler system, fire pump, and inspection, test and maintenance seminars, and technical advisor during the development of these seminars.

Mr. Dubai holds a Bachelor of Science degree in Fire Protection Engineering from the University of Maryland. He is a registered Professional Engineer in the State of Connecticut and is a member of the Society of Fire Protection Engineers

Gordon Gillerman

Gordon Gillerman, Director, Standards Services Group at the National Institute of Standards and Technology (NIST), advises federal agencies, US industry and other stakeholders on standards and conformity assessment policy. The division operates the National Voluntary Laboratory Accreditation Program, the U.S. Inquiry Point for the World Trade Organization's Technical Barriers to Trade Agreement and is a key information source for US industry on standards related market access issues.

Gordon has extensive experience coordinating standards policy and development across a wide range of critical issues in the U.S. including homeland security, safety, health and protection of the environment. Gordon is the Public Sector Co-Chair of the American National Standards Institute's (ANSI) Homeland Security Standards Panel, a member of the Toy Industry Association, Toy Safety Certification Program's Oversight Council and a sought after lecturer on standards, conformity assessment and regulation.

Previous experience include leading government affairs for the largest U.S. product safety certification and standard development organization, Underwriters Laboratories (UL) in Washington, DC, and Staff Engineer for the medical device and information technology sectors at UL's Northbrook, IL headquarters. Gordon has worked collaboratively within the standards community to enhance health, safety, the environment and security throughout his career. In 2008 he received an Environmental Protection Agency Gold Medal, a Department of Commerce Bronze Medal and the ANSI Meritorious Service Award.

Don Grant

Mr. Grant is the Deputy Assistant Administrator for the National Integration Center of the National Preparedness Directorate of the Federal Emergency Management Agency (FEMA). His division has developed the United States' Private sector Preparedness Program (PS-Prep™), National Incident Management System, National Response Framework and related publications to prevent, protect against, respond to, recover from and mitigate the effects of incidents, regardless of cause, size, location, or complexity.

Before coming to FEMA, he completed a successful career in the US Coast Guard and Coast Guard Reserve obtaining the rank of Captain. His final assignment was as the Division Chief responsible for the development and collection of data from the Maritime Security Risk Analysis Model that performs detailed risk assessments on all maritime critical infrastructure and key resources.

Prior assignments include: Maritime Defense Coordinator for the Assistant Secretary Defense – Homeland Defense; Joint Chiefs of Staff (J7), Chief, Plan Development & Review Branch; Deputy Director, Ceremonies for Joint Task Force – Armed Forces Inaugural Committee; and the first Coast Guard Officer assigned to serve on the Joint Chiefs of Staff, J5 -Strategic Plans and Policy Division – Homeland Security Directorate. He is also a past Senior Project Manager for several private hazardous waste cleanup firms.

William Graves

William Graves is the Chief of Biometric Standards and Technical Innovation Projects for US-VISIT and serves in the program's Information Sharing & Technical Assistance Branch. Mr. Graves is responsible for the development of biometric standards and leading the adoption of innovative technologies that impact the program.

The US-VISIT program was established in March 2003 as one of the initial programs within the U.S. Department of Homeland Security (DHS). US-VISIT was established to accurately record the entry and exit of travelers to the United States by collecting biographic information and biometrics – digital fingerprints and photographs.

Mr. Graves also serves as chair of the INCITS M1.6 Task Group on Cross Jurisdictional and Societal Issues as well as co-chair of the DHS Biometrics Coordination Group and Biometric Standards Working Group. In addition, he represents US-VISIT's interests as an active member of the National Science and Technology Council's (NSTC) Subcommittee on Biometrics and Identity Management.

Before joining the Information Sharing and Technical Branch, Mr. Graves served as an Information Technology Specialist with US-VISIT's Information Technology Management Division, a position that he held when he joined US-VISIT in 2005. As an Information Technology Specialist, Mr. Graves was responsible for national and international biometrics data sharing projects, budget formulation and execution, information systems security, data architecture and data management.

Mr. Graves received a B.A. in Economics from George Mason University and a Masters in Information Technology from American InterContinental University. He has a Masters Certificate in Project Management from George Washington University, and is a DHS Certified Acquisition Professional Program Manager and Contracting Officer's Technical Representative (COTR).

Denis Gusty

Mr. Gusty serves as the Branch Chief in the Command, Control and Interoperability Division's (CCI's) Knowledge Management Tools (KMT); in addition, he leads OIC's data interoperability programs which aims to improve incident response and recovery by developing tools which includes the FEMA Integrated Public Alert and the Commercial Mobile Alert System (CMAS) and the EDXL messaging standards that help emergency responders manage incidents and exchange information in real time. Mr. Gusty came to CCI from the U.S. General Services Administration (GSA), where he served as Director of GSA's Office of Intergovernmental Solutions. Prior to joining GSA, Mr. Gusty served as a Program Manager at the U.S. Department of Labor. In this role, he was responsible for helping to implement the President's Management Agenda by managing the e-Government initiative, GovBenefits.gov.

Lane Hallenbeck

Lane is Vice President for Accreditation Services at the American National Standards Institute (ANSI) headquartered in Washington, D.C., where he is responsible for the direction of internationally recognized accreditation services.

Lane's experience includes many years of technical leadership, including Vice President of the management systems registrar affiliate of the American Bureau of Shipping, and Program Manager for the TRW Space & Electronics Group. Lane was president of the Independent Association of Accredited Registrars (IAAR) from 1997 to 1999. He holds an MS in Technology Management from Pepperdine University and a BA in Life Sciences from the University of Colorado at Boulder, and has also been certified as a Quality Systems Lead Auditor.

Susan Hallowell

Dr. Hallowell is the Director of the Transportation Security Laboratory (TSL), a federal laboratory of the Science and Technology Directorate of the Department of Homeland Security. The TSL is the key U.S. Federal laboratory performing research, development, test, evaluation and validation of solutions to detect, deter and mitigate threats from explosives and weapons to transportation. From 2002 until 2005, she managed and executed R&D for explosives detection for the Department of Homeland Security, under the Transportation Security Administration. Under her leadership, TSL has developed dozens of deployment ready products resulting from R&D, including Explosives Detection Systems, Trace Explosives Detectors, Enhanced Walk through Metal Detectors, Access Control Systems, RF ID tags, Suicide Bomb Detection Portals, Human Factors Image proficiency tests, aircraft hardened containers, and myriad technical studies concerning the detection of or protection against explosives. In order to leverage R&D resources, Dr. Hallowell has developed an expansive professional network with other organizations within and external to the Department of Homeland Security, including close relationships to other Governments fighting terrorism. Prior to this, she was manager of the Explosives and Weapons Detection R&D Branch of the Transportation Security Laboratory. She has worked for the DHS/FAA for 18 years in the area of explosives detection research and development, and is an expert in the area of trace detection of explosives, and has written numerous publications and has received many awards in this area. Prior to working for the FAA, she worked as a research chemist for the U.S. Army, in the area of detection of and protection against chemical warfare agents, and technical measures supporting CW treaty verification. She obtained a Ph.D. in Analytical Chemistry, sensor development, from the University of Delaware, and is a senior executive fellow from the John F. Kennedy School of Government at Harvard University. She holds a Bachelor of Arts from Western Maryland College with a major in chemistry. Dr. Hallowell is a member of the American Chemical Society, the American Association for the Advancement of Science, the New York Academy of Science, National Association of Female Executives, and is an elected member of Sigma Xi, the society of research scientists.

Craig Harmon

Craig K. Harmon is the President and CEO of Q.E.D. Systems. With over 25 years of proven experience in the information systems industry he is a leading expert on RFID standardization in the world. He is the author of four books on data collection technology, including *Reading Between The Lines* and *Lines of Communications*, and a soon to be released text on RFID, bar codes, two-dimensional symbols, and other automatic identification and data capture technologies. He provides the content for the web sites "autoid.org" and "qed.org".

He founded JTC 1/SC 31 and the RFID Experts Group (REG). He serves as chair of Accredited Standards Committee (ASC) MH 10 (Material Handling) and U.S. TAG to ISO TC 122 (Packaging). He chairs the ISO working group addressing RFID applications in the supply chain (ISO TC 122/WG 10 – Supply chain applications of RFID). He serves as the Senior Project Editor for the SC 31 Air Interface Standards (ISO/IEC 18000), and previously chaired the U.S. committee on RFID technical standards (ASC INCITS T6). He serves as a liaison officer to ISO TC 104 (Freight containers), TC 122 (Packaging), TC 204 (Intelligent transport systems), TC 247 (Fraud and anti-counterfeiting), and JTC 1/SG 7 (Sensor networks), ITU-R, ITU-T, and ETSI. He participates in the specification development of EPCglobal. He participates in the ITU-T efforts in the standardization of Network RFID. He chairs the Data Identifier Maintenance Committee – ASC MH10.8.2. He is responsible for the development and maintenance of the international vocabulary standards on bar codes, 2D symbols, RFID, and RTLS.

He served as Subject Matter Expert (SME) to ComPTIA in the development of professional certification for "ComPTIA RFID Certified Professional (RFID+)" where he also holds the RFID+ certification. He serves as Subject Matter Expert (SME) to RFID Revolutions™ *RFID Essentials*, a graphical, animated eLearning tool for RFID education. Both his upcoming text and *RFID Essentials* are targeted for translation to Spanish, Japanese, Korean, and Chinese.

He holds a Business Degree in Economics and International Trade from the University of Iowa and is the recipient of the 2004 Richard Dilling Award.

Mike Hogan

Mr. Michael D. Hogan has worked as an electronics engineer at the National Institute of Standards and Technology (NIST) since 1974. As the Standards Liaison for the NIST Information Technology Laboratory, he represents NIST at national and international fora that advance measurement science, testing, and standards in support of more interoperable, usable, scalable, reliable, and secure information technology (IT). Since September 2003, Mr. Hogan has been serving as the Convener of the international standards group: ISO/IEC JTC 1/SC 37 Working Group 4 - Biometric Functional Architecture and Related Profiles. Since the beginning of 2007, Mr. Hogan has served as the Co-Chair of the Standards and Conformity Assessment Working Group of the NSTC Subcommittee on Biometrics and Identity Management.

Larry Hudson

Dr. Larry Hudson is the lead NIST researcher in x-ray diffraction spectroscopy and has led projects on the medical, industrial, astrophysical, and security applications of x-rays. After the deliberate contamination of the US mail with anthrax, Dr. Hudson assisted in the design and coordination of experiments for the White House Task Force on Mail Irradiation resulting in the development of the protocols in use to sanitize parcel mail with industrial x-ray sources. Dr. Hudson currently serves as the NIST project leader for the development of a suite of national standards related to the technical performance and radiation safety of x-ray and gamma-ray security-screening technologies, particularly for bulk-explosives detection.

Klaus Keus

Studied Mathematics, economics and computer science at the "Rheinisch Westfälisch Technische Hochschule Aachen (RWTH)" and received a degree as "Diplom Mathematician". He has around 30 years of experience in information technology including more than 20 years in ICT-Security. After assistant at the university, working for many years as project manager in international IT-companies, he worked for more than 17 years within the German Federal Office for Information Security (Bundesamt für Sicherheit in der Informationstechnik (BSI)) as head of different units. Based upon invitation, currently he is working as an expert for security for the European Commission JRC IPSC (Joint Research Center, Institute for the Protection and Security for Citizen) in Ispra (Italy), supporting the management in strategy for security.

He is author of numerous national and international publications and a well known speaker at national and international conferences for security issues. He is member of committees in national and international security conferences and senior member in several national, European and international security boards.

David Kontny

Mr. Kontny joined the Headquarters Department of Homeland Security's Office of Infrastructure Protection as the Chief of Staff in March 2010. Prior to assuming the role of Chief of Staff Mr. Kontny was assigned to the Protective Security Coordination Division in September 2007 and served as the Senior Advisor, National Canine Policy and Standards for the Division's Office for Bombing Prevention. He became the Office for Bombing Prevention Deputy Chief in December 2008, and in August 2009, the Protective Security Coordination Division Acting Deputy Director.

He was born in Worcester Massachusetts and is a graduate of Burncoat Senior High School. His military career began in February 1978, joining the Massachusetts Army National Guard. In February 1983, he entered active duty the United States Air Force as a Law Enforcement Specialist. After 15 years of honorable service he transferred from active duty to the United States Air Force Reserve where he earned the rank of Chief Master Sergeant.

Prior to joining the Protective Security Coordination Division, Mr. Kontny was assigned as the Director, National Explosives Detection Canine Team Program within the Transportation Security Administration (TSA). During his assignment, Director Kontny was instrumental in providing overall leadership of the TSA program and significantly increased the number of deployed explosives detection canine teams and funding levels within both the aviation and mass transit transportation sectors.

Prior to joining the TSA Mr. Kontny was assigned to Headquarters United States Air Force Directorate of Security Forces, Pentagon, Washington DC, as the Department of Defense (DoD) Military Working Dog Program Manager and the Superintendent of Force Protection. Before being assigned to the Pentagon he was assigned to Headquarters Air Combat Command (ACC), Directorate of Security Forces, as the MWD Program Manager and Superintendent, Contingency Operations Branch. Prior to his assignment at ACC he performed duties as the Superintendent, MWD Program and Superintendent, Current Operations Branch, Headquarters Strategic Air Command (SAC).

Mr. Kontny was the DoD Explosives Canine Coordinator for both the 1992 Republican National Convention and the 1994 World Cup Soccer events.

He is a graduate of the Federal Bureau of Investigation National Academy and is an active member of the International Association of Bomb Technicians and Investigators (IABTI). Dave also serves as the Vice Chairman for Scientific Working Group for Dog and Orthogonal Guidelines (SWGDOG) and the DHS Explosives Standards Working Group.

Dave and his wife Nancy reside in Montclair VA and have a son Kurt, and a daughter Kristen, as well as four lovely granddaughters, Aureanna, Kaitlyn, Ally, and Melody.

Krister Kumlin

Ambassador Krister Kumlin
Chairman, ISO/TC 223, Societal Security
Senior Adviser, Swedish Civil Contingencies Agency, MSB
Kungsgatan 53
10131 Stockholm

Born December 1938

Married, 5 children

Law degree at Stockholm University 1962

Entered Swedish Foreign service same year

Served at the Swedish embassies in Washington, Guatemala City, Bangkok, Paris and at the UN Delegation in New York
Vice President ,UN Economic and social Council 1985

Ambassador to Brazil, 1987

Head of press department , Spokesman of the Foreign ministry 1990

Ambassador to Greece 1993

Ambassador to Japan 1997

Prime Minister s office, Secretary General of the Stockholm International Forum, Preventing Genocide ,2003-2004

Executive secretary of the Euro-Atlantic Partnership Council Security Forum 2004-2005

Co-ordinator, Nordic-Africa initiative, Dar Es Salam, 2005

April 2006, Chairman of ISO/TC223, Societal Security

August 2006 , Executive secretary Stockholm International Conferences for Lebanons early recovery and on The humanitarian situation in Palestinian territories

January –June 2007, Ambassador, Charge d'affaires ai, Swedish Embassy in Paris

September 2007 , Secretary General, Trade and development Integrated Framework Conference ,Stockholm

May 2008, Executive secretary, Iraq compact annual review conference in Stockholm

November 2008- December 2009, Executive Coordinator, European Development Days in Stockholm

Marshal of the Diplomatic Corps, since September 2005

Kang Lee

Kang Lee leads the DHS sensor standards and cargo container security projects at the Engineering Laboratory of the National Institute of Standards and Technology (NIST). He also chairs the Sensor Standards Harmonization Working Group for DHS. Kang is the Chair of IEEE Instrumentation & Measurement Society's Technical Committee on Sensor Technology, TC-9, that establishes, 1) the family of six sensor standards designated as IEEE 1451, Standard for a Smart Transducer Interface for Sensors and Actuators, and 2) the IEEE 1588, Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems. These standards facilitate the interoperability of networking and precision time synchronization of sensor devices and equipment. Kang has chaired a number of conferences and workshops and contributed to ISO/IEC/JTC1 committees and working groups on sensor networks and cargo container standards. Kang is an IEEE Fellow. He has authored many papers on smart sensor standards. Kang was profiled by the EE Times in 2006 as one of twenty-nine innovators in the world. Kang's main research interests include sensor networking for distributed measurement and control, smart sensor interfaces and communication protocols, wireless sensor networks, sensor to RFID communication interfaces, and precision time synchronization of network measurement and control systems.

Stefan Lukow

Dr. Stefan Lukow received his Ph.D, in chemistry from Tufts University in 2005. His dissertation research in the area of electrochemistry focused on the development and validation of potentiometric sensor arrays for the detection of aqueous ions in soil samples of extreme environments. Since 2005, he has worked for the DHS Science and Technology Directorate, Transportation Security Laboratory specializing in trace explosive detection in the arena of personnel screening. His responsibilities include monitoring internal and external efforts across multiple focus areas such as sampling, explosive characterization, system development, and internal test and evaluation efforts.

Ignacio Montiel-Sanchez

Dr. Ignacio Montiel-Sánchez is a Telecommunication Engineer by the Universidad Politécnica de Madrid from Spain. He has a PhD on Telecommunications by the Alcala University. He has been working for more than 20 years in the National Institute of Aerospace Techniques, first as an antenna and RCS measurement engineer, afterwards as the Head of the Detectability Laboratory and finally as the Head of the Communications, Navigation and Radar Area. Since 2009, he is working for the European Commission as a Policy Officer in the Security Research and Development Unit H3, dealing with industrial policy matters and in charge of security standardisation.

Dereck Orr

Dereck Orr is the Program Manager for Public Safety Communication Standards at NIST's Office of Law Enforcement Standards, and has held that position since December 2002. In that role, he leads a program that serves as an objective technical advisor and laboratory to the Department of Homeland Security and public safety to accelerate the adoption and implementation of the most critical public safety communication standards and technologies. From October 2003 until October

2004, Mr. Orr was detailed to the Department of Homeland Security to serve as the Chief of Staff of the SAFECOM Office within the Science and Technology Directorate, to help establish the new program. Prior to working at NIST, Mr. Orr served as a professional staff member of the Senate Appropriations Subcommittee for the Departments of Commerce, Justice, and State, and Related Agencies under Senator Fritz Hollings. In that position, Mr. Orr was responsible for the appropriations accounts relating to state and local law enforcement issues. Prior to that, Mr. Orr served four years at the Office of Community Oriented Policing Services (COPS) at the Department of Justice. Mr. Orr received a Masters in Public Policy from the College of William and Mary and a Bachelor of Arts in American History from the University of Texas at Austin.

Charles Piersall

Captain Charles H. Piersall is Chairman of ISO technical committee ISO/TC 8, *Ships and marine technology* (for 16 years). He is a retired US Navy Captain with over 52 years of distinguished maritime service – first as a senior naval officer and then as an industry executive. He is recognized worldwide as a leader in the field of international maritime and supply chain security standards. In addition to the highest military awards and honors, Capt. Piersall is also recipient of numerous high-level awards based on his contributions to international standardization, including the ANSI Astin-Polk International Standards Medal and the US Coast Guard's Distinguished Public Service Award. Capt. Piersall is a member of Sigma Xi (honorary science research society), the American Society of Naval Engineers (gold medal winner and life member), Fellow and former member of the Board of Directors of ASTM, a Fellow of the Society of Naval Architects and Marine Engineers and a Principal, Partnership for Public Service (formerly the Council for Excellence in Government).

Caroline Purdy

Caroline Purdy is currently the Principal Deputy Assistant Director for the Systems Engineering and Evaluation Directorate at Domestic Nuclear Detection Office in DHS. This office ensures that solutions to reduce the risk of nuclear terrorism are effective through a combination of systems engineering and defensible demonstration of system performance prior to deployment. As deputy, Caroline manages 3 divisions within the office. Beyond classical systems engineering activities, this office performs objective, defensible testing of rad/nuc equipment on either newly developed or commercially available rad/nuc equipment purchased and deployed by DHS. The pilot division focuses on the operational utility assessments of new technologies or concepts of operation. Under this division, technologies are evaluated in dynamic, real-world environments.

Prior to working in Domestic Nuclear Detection Office, Dr. Purdy managed the Infrastructure/Geophysical Division in the S&T Directorate of DHS. She has been working in technology development in DHS since the Department was created.

Dr. Purdy has a PhD from the University of Maryland in Nuclear Chemistry.

Mark Reichardt

Mark Reichardt is President and Chief Executive Officer of the Open Geospatial Consortium, Inc. (OGC). Mr. Reichardt has overall responsibility for Consortium operations, overseeing the development and promotion of OGC standards for worldwide use, and working to ensure that OGC programs foster member success. He works to establish and maintain formal partnerships with other standards development and professional organizations to assure that location information can be shared and processed seamlessly across the broad span of information technologies and communities of use.

Mr. Reichardt joined the Consortium in November 2000 as Executive Director of Marketing and Public Sector Programs; became the President of OGC and a member of the Board of Directors in September, 2004; and was appointed President and CEO in January 2008.

Mr. Reichardt joined OGC after a 20-year career managing geospatial production and technology development programs within the US Federal Government. His government career included an assignment with the Federal Geographic Data Committee to advance compatible Spatial Data Infrastructure practices in Africa, South America, Europe, and the Caribbean; and a one year assignment with the Vice President Gore's Partnership for Reinventing Government to improve federal to local coordination and decision making through the use of geospatial information and technologies.

Mr. Reichardt serves on the Board of Directors of the Global Spatial Data Infrastructure Association and the BuildingSmart Alliance Board of Direction.

Contact Mr. Reichardt at:
mreichardt@opengeospatial.org
+1 (301) 840-1361 voice
+1 (240) 899-8026 mobile

Alois Sieber

Privatdozent, Dr. rer. nat. habil.-Ing.

Head of Unit "*Security Technology Assessment*"
Institute for the Protection and the Security of the Citizen
Directorate General Joint Research Centre
European Commission

Master Degree and PhD in Solid State Physics

Senior University Lecturer (Habilitation) in Remote Sensing

Between 1974 and 1986 German Centre for Aerospace Research (DLR) in charge of various projects of earth observation with special emphasis on radar remote sensing

Principle Investigator for Space Shuttle experiments and experiments with the European remote sensing satellite ERS

Author of numerous publications, lecturer at several Universities, tutor for many PhD thesis.

Fellow member of IEEE Geoscience and Remote Sensing Society, to which he served as Vice President and Guest Editor for its Transactions

Since 1986 with the European Commission's Joint Research Centre in Ispra, Italy

- Responsible for a number of unique experimental facilities (remote sensing by means of electromagnetic waves)
- Since 1995 involved in effort to find advanced tools to make humanitarian mine clearance faster, safer and more cost-effective
- Since 2000 active in the field of security research, in particular regarding embedded sensor networks, secure communication, explosives and IED, protection of critical, networked infrastructure, and other topics.

He was chairman of the CEN BT working group 161 "*Standards for Protection and Security of the Citizen*". He was also chairman of the Working Group on "*Innovation*" of the European Security Research and Innovation Forum (ESRIF).

David Taylor

Mr. Taylor is a Program Manager for the Cargo Security Division within the Department of Homeland Security's Science & Technology Directorate's Border and Maritime Security Division with an expertise in Cargo Inspection Technology. Mr. Taylor previously worked for the DHS Domestic Nuclear Detection Office in the area of detection of special nuclear material and improvised nuclear devices in cargo

Mr. Taylor has over twenty years experience in acquiring and fielding surveillance and research and development systems for the Department of Defense and United States Navy. Mr Taylor was the recipient of the Domestic Nuclear Detection Office Director's Meritorious Service Award and was selected as a Department of Homeland Security Fellow in January 2007. Mr Taylor is currently on assignment to the DHS Cargo Policy Office as a Senior Science Advisor in the Global Supply Chain Security Strategy (GSCS) working group.

Mr. Taylor holds a Bachelor of Science Degree from Maine Maritime Academy; and a Masters Degree (with distinction) in International and Strategic Studies from the Naval War College.