

MONDAY, 29 October 2007

WP-123

Wireless Security Technologies and DoD 8100.2 WLAN Policy

Monday

9:30–10:45 a.m.

Osceola 4

DoD Directive 8100.2 was enacted to set strict guidelines for security requirements using Commercial-Off-The-Shelf (COTS) wireless LAN devices, systems, and technologies. Recognizing the sensitivity of the information and potential vulnerability at different transit points in the network, the policy requires the use of encryption, validated under the Cryptographic Module Validation Program (CMVP) and meeting requirements for FIPS 140-2 Level 2. It also requires that this data encryption be implemented end-to-end over an assured channel.

This session will cover key areas of vulnerability and how strong authentication and strong encryption mitigate the risks involved. The panelists will examine elements necessary to ensure that wireless networks are secure, meet approved government certifications and standards, and use standards-based protocols and federal security accreditations (DoD Policy 8100.2, FIPS 140-2, Common Criteria, CAC/HSPD-12).

Organizer/Panelist

Merwyn Andrade, *Chief Technology Officer, Aruba Networks*

Moderator

Mark Norton, *Chief Information Officer, OASD NII, Communications Directorate*

Panelists

John Jacobs, *Vice President, Product Management and Key Accounts, 3e Technologies International*

Mark Phillips, *Principal Architect, General Dynamics Information Technology*

Chia-Chee Kuan, *Chief Technology Officer, AirMagnet*

WP-122**MUOS: Lessons Learned Through CDR, Looking Forward to First Launch****Monday****9:30–11:00 a.m.****Osceola 5**

In 2 years, the first of five Mobile User Objective System (MUOS) satellites will go into geosynchronous earth orbit, ushering in a new era of UHF military satellite communications. When deployed, MUOS offers a transformational blend of Third-Generation (3G) commercial mobile cellular technology, a robust ground infrastructure capable of accessing the Global Information Grid through SIPRNET and NIPRNET, and a network management and military-approved information assurance technology that will make network-centric warfare a reality for dismounted soldiers and mobile platform. The system delivers voice and data, beyond line of sight, on the move. Ground breaking at two (of four) sites at Wahiawa, Hawaii and Nicemi, Italy has commenced, and after 36 months on contract, the program is on target for 4Q 09 Launch.

Discussion will center on what acquisition, programmatic and technical lessons were learned on the way to an on-time Critical Design Review (CDR) in March 2007. What worked well and what would the Navy/Contractor team do differently? The MUOS Lessons Learned panel brings together MUOS executives and program managers to offer insights.

Organizer

John Jacobson, *Senior Manager, MUOS Program Communications, Lockheed Martin Space Systems Company*

Moderator

Capt. Jack Nicholson, *Director, Operations, PMW 146*

Panelists

Charles Toups, *Vice President, The Boeing Company*

Andrew Cox, *Deputy PEO Space*

Len Kwiatkowski, *Vice President/General Manager, Lockheed Martin Space Systems Company*

John Weidman, *Vice President/General Manager, General Dynamics C4S*

Manny DiMiceli, *Vice President/MUOS Program Manager, Lockheed Martin Space Systems Company*



UNCLASSIFIED PANELS

WP-111

Overcoming Obstacles to Interoperability

Monday

9:30–11:00 a.m.

Osceola 6

Industry executives will discuss how they are participating in technology exchanges with the Network Centric Operations Industry Consortium (NCOIC). This discussion centers around the close collaboration between government and industry players in which the NCOIC acts as a resource for scientists, engineers and software developers working on the transformation to network centric operations. The primary goals of the NCOIC are to adopt common open standards, share best practices and processes and encourage collaboration, enabling the industry to develop compatible products that will help customers achieve greater efficiency.

Organizer

Janet Kopec, *NCOIC*

Panelists

Ken Cureton, *Senior Engineering Manager, System of Systems Architecture & Engineering, The Boeing Company*

Bonnie Gorsic, *Technical Fellow, SoS Architecture & Engineering, The Boeing Company*

Hans Polzer, *Engineering Fellow, Net Centric Integration, Lockheed Martin Company*

Will Kramer, *BAE Systems*

WP-106**How Security Information Management Helps Improve Risk Posture****Monday****11:00 a.m.–noon****Osceola 4**

Information Management and technology is critical in today's net-centric environment. The volumes of policies that exist can present a challenge across DoD and civil organizations. This panel addresses the issues in addressing compliance requirements and improves overall risk posture. With constantly changing threats and policies, how will organizations continue to manage budget, personnel, software and hardware resources to meet the challenges of changing threats, increasing risks, application security, and diverse network interaction while maintaining performance to meet mission success.

Organizer

Susan Patrick, *Netforensics*

Moderator

Tracy Hulver, *Vice President of Marketing and Product Management, Netforensics*

Panelists

Doug Witschi, *Senior Network Security Engineer, Booz Allen Hamilton*

Mark Zalubas, *Chief Technology Officer, Merlin International*

Dave Steible, *Netforensics*



UNCLASSIFIED PANELS

WP-120

Using Commercial Satellite Services for Military

Monday

2:15–3:45 p.m.

Osceola 4

Satellites are a very effective means of providing long-haul, high data rate communications for video, data, telephony, entertainment and other information critical to the warfighter in deployed situations. The U.S. military relies heavily on commercial satellite and service providers to provide a substantial portion of their satellite communications needs throughout the world.

This panel will discuss and debate the advantages, disadvantages, and challenges of using commercial satellite services to meet the satellite communications needs of the U.S. military and offer insights into innovative business models that can be used to help in these time budget challenges.

Organizer/Moderator

Russ Gaspard, *Senior Executive Account Manager, Space Programs, Harris Corporation*

Panelists

Rebecca M. Cowen-Hirsch, *Director, SES, PEO-STC, DISA, Program Exec Office SATCOM, Teleport, & Services*

Mark Dankberg, *Chairman and CEO, ViaSat*

BG Mike Basla, *J6, JCS*

Don Brown, *VP Business Development and Hosted Payloads, Intelsat General*



UNCLASSIFIED PANELS

WP-112

Net-Enabled Emergency Response

Monday

2:15–3:45 p.m.

Osceola 5

The deciding factor in any military conflict is not the weaponry, it is the network. The same is true for response to a complex humanitarian disaster. The missing link in today's disaster recovery efforts is a working network. And the key to emergency response is accurate information that enables first-responders to know what happened, who responded, and what is still required. From the warrior to emergency personnel to the modern day consumer, access to all information, without regard to hardware, software, or location of the user, is no longer attractive, it is imperative. This panel brings together the key executives from industry and government to discuss critical standards and requirements.

Organizer

Janet Kopec, *NCOIC*

Panelists

Maj Gen Steve Gross, *USAF Reserve, Deloitte & Touche, LLP, and Chair of NCOIC Net-Enabled Emergency Response IPT*

David Aylward, *COMCARE, Representing NCOIC*

Mike Alagna, *Motorola, representing National Security Telecommunications Advisory Committee*

Jim Bugel, *ATT, representing National Security Telecommunications Advisory Committee*

WP-116**Network Operations and Security Management Organizations****Monday****3:45–5:00 p.m.****Osceola 5**

Network operations and security management organizations within the military are rapidly evolving to support the changing needs of the 21st century warfighter. Immediate network access is required every step of the way—from the personnel at headquarters down to the small, mobile squad in a remote region of the world. At the same time, these networks are prime targets for sophisticated attacks from foreign governments or terrorist organizations. How can the military satisfy the increasing demand for a totally networked force—capable of transmitting the most sensitive information—while the threats to the security of the network continue to increase? These security concerns are compounded when considering the parties outside of the military that are also given network access. Allied forces, civilian employees, and contractors require network access to accomplish their duties as well. Needless to say, these requirements pose a significant risk to military networks. In order to maintain situational awareness and security across network operations, it is vital to have visibility into the “who, what, and where” within the network. In other words, the ability must exist for security and network teams to continuously monitor and verify who is accessing mission critical systems, what these users are doing when accessing these systems, and from where on the network they are doing it. Ensuring that the “who, what, and where” is known will allow Federal agencies to be confident that information on the network is secure.

Organizer

John Morgan, *Director, Special Projects, Securify*

Moderator

Jeff Waters, *Head of Federal Operations, Securify*

Panelists

Lt. Col. Matthew Pirko, *Deputy Chief, CENTCOM, Plans and Operations Division, CCJ6, USCENTCOM*

Robert Lentz, *Director (IA), Office of the Assistant Secretary of Defense for Networks and Information Integration*

Chris Wilson, *Chief Information Officer (CIO), Joint Communications Support Element (JCSE)*

WP-117**The Spectrum Hydra: Addressing the Complexity of Spectrum Issues****Monday****3:45–5:00 p.m.****Osceola 6**

Addressing one spectrum problem inevitably causes 2d and 3d order effects. Auctioning government spectrum addresses economic issues, but crimps military flexibility; industry, often with government guidance, develops technologies in spectrum which may not be operationally feasible in theater; higher bandwidth solutions demanded by warfighters is not supportable by current host nation spectrum availability; tactical spectrum management tools are not able to keep up with complex, dynamic electromagnetic environments. How do we address these interrelationships in the near term between policy, technological advancement, warfighter demands and the battlefield spectrum manager's ability to function?

Organizer

Joe Yavorsky, *Senior Business Development Manager, Harris Corporation*

Moderator

Brigadier General Jeffrey W. Foley, *Commanding General, U.S. Army Signal Center & FG*

Panelists

Preston Marshall (Invited), *Program Manager, DARPA STO*

Captain Brian Hinckley, *Director, Naval NETWARCOM, N37*

Captain Michael Murphy, *Commander, Joint Spectrum Center*

Owen Deckinga, *Chief, USCENTCOM JFMO*



UNCLASSIFIED PANELS

WP-118

JTRS Waveform Management

Monday

3:45–5:00 p.m.

Osceola 4

To accomplish the missions of today and into the future, the military must be able to communicate with units and entities using different generations of technologies, from different vendors, in many different operational environments and scenarios. Numerous waveforms have been and continually are being developed to take advantage of technological advances and bring those to the warfighter. However, the advances lead to inevitable conflicts with legacy interoperability (proprietary vs. open standards) and waveform maintenance (configuration control). How does the U.S. military continue to press the state of the art, maintaining technological superiority and legacy interoperability while simultaneously reducing life-cycle costs (doctrine, organizations, training, material, leader development, personnel, and facilities)?

Organizer

Joe Yavorsky, *Senior Business Development Manager, Harris Corporation***Moderator**

Dr. Troy Meink, *Director, Communications Office, OSD NII*

Panelists

Mr. Jarratt Mowery, *Deputy TD, JPEO JTRS*

Capt. Jeffrey Hoyle, *JPEO JTRS-NED*

Dr. Larry Williams, *Director Business Development, ITT Aerospace/Comms Division*

Mark Turner, *Director of Software, Secure Products and Program Engineering, Harris Corporation*

TUESDAY, 30 October 2007

WP-102

Unmanned Aerial Systems (UAS)—Session A

Tuesday

9:15–10:30 a.m.

Osceola 4

Unmanned Aerial Systems (UAS) have proven their worth and are assigned C4ISR and combat missions—removing humans and expensive aircraft out of harms way. As the performance of Unmanned Aerial Systems continues to be enhanced, confidence and acceptance by the warfighter has solidified. The reliance on Unmanned Aerial Systems (UAS) has culminated in the Quadrennial Defense Review recommendation that “approximately 45% of the Air Force future long-range strike force will be unmanned.”

Panelists representing warfighter, the development and manufacturing communities, and policymakers will discuss:

- The expanding role of Unmanned Aerial Systems (UAS) in military operations

- Lessons learned from the most recent operations

- Lessons learned from the field

- New developments on sensor and communications technologies and unmanned combat aerial systems

Organizer Vas Kalomiris, *Senior Technical Advisor, NED-N, JPEO JTRS*

Moderator

Chuck Stripler, *Deputy Director S&TCD, CERDEC*

Panelists

David Narkevicius, *Senior Staff, OSD-NII Comms*

Daniel Kuderna, *Chief, Radar & Combat ID I2WD, CERDEC*

Douglas G. Bowen, *Vice President—Engineering, L-3 Communications-W*

WP-125**Extranet Interoperability: Information Sharing in the Stability Operations Community of Interest****Tuesday****9:15–10:45 a.m.****Osceola 5**

This panel will present an emerging information sharing framework for the Stability Operations Community of Interest for bridging the civil-military boundary to improve cooperation and coordination between DoD and non-traditional partners. Simply stated, the Department must communicate, collaborate, translate, and engage if it is to be successful. Special emphasis will be given to the proper balance for DoD information security requirements as the paradigm shifts from a “need-to-know” mindset to a “need-to-share” reality in the 21st century.

In recent months, directives have been approved that represent a major change in Defense policy with regard to stability operations – it is now a core U.S. military mission with resourcing and planning priority on par with combat operations. The Services will comply with this new policy by explicitly addressing activities including doctrine, organizations, training, education, exercises, materiel (programs), leadership, personnel, facilities, and planning.

While it has always been in the interest of the Department of Defense to work closely with relevant U.S. Departments and Agencies, foreign governments and security forces, global and regional international organizations (“IOs”), U.S. and foreign nongovernmental organizations (“NGOs”), and private sector individuals and for-profit companies (“Private Sector”), the functional area of information sharing is often seen by many as a one-way street flowing into DoD without much “return on investment” to the contributors.

The DoD Information Strategy is now promoting and encouraging information sharing with non-traditional partners, especially when responding together to Crisis Response Operations, and Humanitarian Assistance /Disaster Relief Operations. Effective time-critical information exchange and communications to the edge is vital to the success of integrating civilian and military efforts within these types of operations. However, as with all major changes, implementation faces many hurdles especially from the less technical aspects of governance & policy, education, social networking, trust and resourcing.

Organizer

Michael Dowdy, *Integrated ICT Support Directorate, ASD (NII)*

Moderator

Roy A. Johnson, *Director, Integrated ICT Support, ASD (NII)*

Panelists

Paul Grant, Information Assurance Executive, Information Sharing Office (DoD CIO)

Renee Acosta, President & CEO, Global Impact

Brigadier General Rick Dinkins, Director of C4 (J6), US TRANSCOM

Col. Jeffrey Maxwell, Chief of Infrastructure, Secretary of the Air Force, Office of Warfighting Integration and CIO

WP-105**Establishing Secure Communications Without Existing Infrastructure****Tuesday****9:15–10:45 a.m.****Osceola 6**

First responders, National Guard, and other Defense agencies involved in war fighting, border/homeland protection, and emergency response are continually faced with the challenge of improving network reach and security. This panel addresses the issues, policies, and technologies required for implementing a deployable networking solution that enables the establishment of a Wireless Local Area Network (WLAN) and central communications location in areas with no available infrastructure. Communications between a remote headquarter location to troops stationed in a forward area, or communications between personnel on scene at an emergency site to available triage centers, will need to be secure. In these austere and diverse environments, elements from multiple domains will need to provide mutual support and require rapid critical communications that can immediately enable email, Voice over Internet Protocol (VoIP) and video feeds.

Organizer

A.J. Guenther, *Director, Public Relations, ConnellyWorks, Inc.*

Moderator

Magued Barsoum, *Chief Technical Officer, Fortress Technologies, Inc.*

Panelists

Rob Wolborsky, *PMW-160, SPAWAR PEO C4I*

Richard Gorman, *Mobility Architect, Nortel Government Solutions*

Major Clayton Wheeler, *Signal Corps, Texas National Guard*



UNCLASSIFIED PANELS

WP-103

Unmanned Aerial Systems (UAS)—Session B

Tuesday

10:45 a.m.—noon

Osceola 4

Unmanned Aerial Systems (UAS) have proven their worth and are assigned C4ISR and combat missions putting the humans and expensive aircraft out of harms way. As the performance of Unmanned Aerial Systems continues to be enhanced, confidence and acceptance by the warfighter has solidified. The reliance on Unmanned Aerial Systems has culminated in the Quadrennial Defense Review recommendation that “approximately 45% of the Air Force future long-range strike force will be unmanned.” These panels will address the expanding role of Unmanned Aerial Systems in military operations. Lessons learned from the most recent operations will be addressed. Panelists representing the warfighter, the development and the manufacturing communities, and policymakers will discuss lessons learned from the field, and new developments on sensor and communications technologies and unmanned combat aerial systems.

Organizer

Vas Kalomiris, *Senior Technical Advisor, NED-N, JPEO JTRS*

Moderator

Commander Nigel Nurse, *Director, MIDS JTRS Division, JPEO JTRS*

Panelists

Rick Ludwig, *Director, Business Development, Northrop Grumman*

John Porter, *Deputy Director, Business Development, General Atomics*

Michael J. Logan, *Head, Small Unmanned Aerial Vehicle Laboratory, NASA Langley Research*



UNCLASSIFIED PANELS

WP-101

Overcoming Challenges to IPv6 Transition

Tuesday

11:00 a.m.–noon

Osceola 5

This panel addresses the complex issues the DoD faces during the transition from IPv4 to IPv6. Beyond the 2008 mandate to become IPv6 capable, DoD is tasked with ensuring the interoperability of the two standards since even after the majority of legacy applications and equipment are replaced with IPv6 capable technologies, pockets of IPv4-based applications will persist for some time. Discussion will include:

How operating during transition in the dual standard environment can increase the vulnerability risk to networks.

How will the already stretched budget deal with these challenges?

What pilot implementations and test beds should be utilized to demonstrate transition readiness, and commercial and industry advances in technology?

How can DoD leverage industry to formulate best practices and procedures?

Organizer

Sumav Ang, *Marketing Programs Manager, Juniper Networks*

Moderator

Roger Cressey, *President and Founder, Good Harbor Consulting*

Panelists

Tim LeMaster, *Director of Systems Engineering–Public Sector Americas, Juniper Networks*

Philip Vermeer, *Chief Technology Officer, Conaway Group*

Lt. General (USAF (Ret.)) Kenneth A. Minihan, *USAF (Ret.)*

WP-104**Interoperability Through Coalition Waveform Family****Tuesday****2:15–3:45 p.m.****Osceola 4**

Considering technical enablers of, and a possible roadmap towards, a Coalition Waveform Family, this panel will address those elements that will ultimately force the international community to form coalitions to control numerous challenging threats. As technology developments enhance weapon and sensor capabilities, the units and forces become more effective and costlier. To mitigate the greater cost, fewer units will exist although they will have the same level of, or increased performance. Increased mobility, improvements in C3, battle space management and situational awareness become necessary. Discussion will include:

How will these coalition forces remain interoperable between national and international civil authorities and within their own armed services?

How will they manage secure operations across multiple coalition networks within a hostile electromagnetic environment?

Organizer

Ari Pouttu, *Director, Centre for Wireless Communications, University of Oulu*

Panelists

Christian Serra (Invited), *Chief Engineer–Advanced Studies and Standards, Thales Communications S.A.*

Rick Barfoot (Invited), *Chief, Communications Department, NATO C3 Staff*

Dr. Joseph Mitola III (Invited), *Consulting Scientist, The MITRE Corporation*

Brigadier General Jukka Juusti (Invited), *Engineering, Chief Armaments Defense Staff*

Len Schiavone, *ICS Technical Director, Raytheon Corporation*

WP-115**IP Over SATCOM****Tuesday****2:15–3:45 p.m.****Osceola 5**

DoD has fielded IP Bandwidth on Demand (BoD) modems/terminals to make more efficient use of expensive, commercial leased SATCOM capacity to provide a convergence of services utilizing IP over Satellite. In addition, DoD is working to develop a single standard for such shared access IP modems for use over existing satellites and the soon to be launched Wideband Global SATCOM (WGS) constellation. These IP modems enable similar capabilities as envisioned for the Transformational Satellite (TSAT) program; including demand assigned multiple access, QoS-based allocation of resources and constellation wide improvements in utilization. The panel will provide Government and Industry experts an opportunity to explore these topics with a goal of informing the audience of current force capabilities and future trends.

Organizer/Moderator

Art Reiff, *Deputy Project Manager, Defense Communications & Army Transmission Systems*

Panelists

Randy Tanaka, *Chief of the GIG Satellite and Wireless Engineering Division, DISA*

Dave Bettinger, *Chief Technology Officer, iDirect Technologies*

Michelle Bailey, *Deputy Chief Engineer, Space and Naval Warfare Systems Command, SES*

Don Wilcoxson, *ViaSat, Inc.*

Michael Pollack, *Vice President–Government Sales, Advantech Satellite Networks*



UNCLASSIFIED PANELS

WP-110

Maritime Domain Awareness

Tuesday

2:15–3:45 p.m.

Osceola 6

A key element of the President's Maritime Security Initiative, Maritime Domain Awareness (MDA), is the effective understanding of anything associated with the global maritime domain that could impact the security, safety, economy, or environment of the United States. MDA is a key component of an active, layered maritime defense in depth. It will be achieved by improving our ability to collect, fuse, analyze, display, and disseminate actionable information and intelligence to operational commanders. Maritime Operations Centers (MOCs) afloat and ashore will serve as key nodes in the Navy's MDA architecture; they will have the ability to share information and collaborate effectively with interagency and international partners in building an accurate, usable MDA picture. This panel will address U.S. Navy and U.S. Coast Guard plans to enhance existing MDA capabilities from programmatic, operational, and technical perspectives. The panel will be led by the Deputy Chief of Naval Operations for Communication Networks.

Organizer/Moderator

Rear Admiral Bob Nutwell, *USN (Ret.), Principal, Booz Allen Hamilton*

Panelists

RDML (Select) Sandy Daniels (USN), *Reserve Assistant Communication Networks, OPNAV N6, Pentagon, Washington, DC*

Capt. Michael Smack, *Director, Maritime Headquarters with Maritime Operations Center (MHQ w/MOC) U.S. Second Fleet*

Commodore C. L. Mofford, *NORAD Maritime Homeland Defense, US Northern Command*

Mr. Andy Farrar, *Special Assistant PEO C4I*



UNCLASSIFIED PANELS

WP-113

NATO/Coalition Interoperability

Tuesday

4:00–5:00 p.m.

Osceola 4

The Network Centric Operations Industry Consortium (NCOIC) works in tandem with NATO and Coalition customers from around the world, each with a specific mission, to provide a set of tools that enable the development of network centric capabilities and products. Being able to provide this net centricity is a result of the collaboration of premier leaders in the aerospace, defense, information technology, large-scale integrator and services industries.

This panel seeks to expand discussions on how to maximize the possibilities of networked coordinated collaboration and action with NATO and Coalition forces addressing the NCOIC unique ability to rapidly define, design, and test field cutting-edge technology, is best suited to develop a technical infrastructure that will enable systems and platforms to operate as a global network, and to deploy this capability to all end users.

Organizer/Moderator

Janet Kopec, *NCOIC*

Panelists

Rear Admiral (U.S. Navy (Ret.)), Robert (“Willie”) Williamson, *Executive Council Chairman Network Centric Operations Industry Consortium*

Michael Curtis, *NCOIC Technical Council Chair Emeritus and IBM Chief Architect, Global NCO Complex Projects*

Others invited

WEDNESDAY, 31 October 2007

WP-107

JTRS SCA Across Multiple Radio Domains

Wednesday

9:15–10:30 a.m.

Osceola 4

The Joint Tactical Radio System (JTRS) Software Communications Architecture (SCA) is a published standard for Software Defined Radio (SDR) technology, developed by the U.S. Department of Defense (DoD) specifically for U.S. military radio communications applications. The SCA is being promulgated outside of the U.S. DoD for other application in other radio domains, including; international military and coalition forces radio communications, space system communications and public safety/commercial radio communications. The use of the JTRS SCA beyond U.S. DoD military radio applications is envisioned to facilitate investment and technology advancement that will provide significant benefit back to the U.S. DoD in the form of cost-effective technology and capability insertion as well as cross-domain interoperability (i.e., coalition force operations and disaster relief).

Organizer/Moderator

Mark Turner, *Director of Software, Secure Products and Programs Engineering, Harris Corporation*

Panelists

Dr. John D. Bard, *Space Coast Communications Systems, Inc.*

Dr. Vince Kovarik, *Chief Engineer, Harris Corporation*

Colonel Andrew (Drew) Dwyer, *USMC (Ret.), Harris Corporation*

Christian Serra, *Chief Engineer–Advanced Studies and Standards, Thales Communications S.A.*

WP-119**Building the Global Information Grid—Status Update****Wednesday****9:15–10:30 a.m.****Osceola 5**

The DoD's Global Information Grid will fundamentally change the way communications and information support will be provided to its users, especially to the warfighter at all conflict levels. The GIG will consist of a worldwide network of space and terrestrial systems integrated seamlessly into a global Internet-like capability.

The DoD's Global Information Grid is being built in phases with planned enhancements in features and capabilities. Beginning with today's legacy stovepipe systems, the GIG will gradually transform into a fully networked capability as new and emerging systems, services, and applications become available. The various terrestrial and space components of the GIG are independently designed, funded, and managed, and yet they must operate together as a seamless and fully integrated network. The evolving GIG is a cross-program systems engineering challenge. An unprecedented level of coordination among the various space and terrestrial programs and systems is required to achieve a worldwide Internet-like capability. This panel, comprised of senior government, military, and industry stakeholders, will discuss the current status of the GIG.

Organizer/Moderator

Dr. Pravin Jain, *Vice President and Chief Scientist, LinQuest Corporation*

Panelists

Gary Blohm, *Director, Space & Terrestrial Communications Directorate, U.S. Army, Communications & Electronics Research, Development & Engineering Center, SES*

Dr. Antonio DeSimone, *Deputy to the GIG Enterprise-Wide Systems Engineer, Office of the Assistant Secretary of Defense for Networks and Information Integration, SES*

Richard Williams, *Vice Principal Director, GIG Enterprise Services Engineering, DISA, SES*

Richard Pino, *Technical Director, Military Satellite Communications Systems Wing, Air Force Space and Missile Systems Center, SES*

Julie Tarr, *Senior Engineer, Office of the Assistant Secretary of Defense for Networks and Information Integration*



UNCLASSIFIED PANELS

WP-114

Airborne Networks

Wednesday

9:15–10:30 a.m.

Osceola 6

The panel will explore how standards and requirements for Air/Ground Battlespace Networks will be defined, proven and promulgated to aircraft and ground programs of record (or new programs) in order to implement a robust Battlespace Network. Topics will include defining airborne networks to support multiservice requirements, integration of technology across disparate networks and how studies, demonstrations, CRADAs, etc., will be used to engage industry to the government in filling this crucial gap for the warfighter.

Organizer

Joe Carriere, *Director, Business Development, Harris Corporation*

Moderator

David Narkevicius, *ASD/NII/DoD-CIO*

Panelists

Colonel Anita Latin, *USAF*

Tom Daly, *USA*

Jack Dickerson, *JFCOM (Invited)*

Mike Morgan, *DISA (Invited)*



UNCLASSIFIED PANELS

WP-124

IPv6 Operational Impact and ROI

Wednesday

10:45 a.m.–noon

Osceola 4

IPv6 Operational Impact and ROI will be a round table discussion on how to best leverage the new IPv6 protocol with software and applications that enhance operational capabilities. The panel will be a joint discussion between Industry and DoD to explore the value and impact of IPv6 on DoD Information applications, and learn how to best prepare for and leverage these upcoming changes. Panelists include leading commercial and Federal and DoD IPv6 experts.

Organizer

Eiko Smith, *AnviCom, Command Federal*

Moderator

David Kriegman, *Command Federal*

Panelists

Sean Siler, *Microsoft*

Kris Strance, *Director–Architecture and Interoperability, OSD*

Dr. Richard Weisman, *Executive Vice President/Chief Technology Officer, Technology Solutions Group, Foster-Miller, Inc.*

Col. William Hoppe, *US Army, PM WIN-T*

WP-126**Transformational Communications Architecture (TCA)****Wednesday****10:45 a.m.–noon****Osceola 5**

Transformational Communications continues to improve the posture of our warfighter with TCA v3.0. The Communications Functional Integration Office will present the good news findings that will continue to enhance communications, command and control and situational awareness. The positive impact of TCA Key Enablers such as Information Assurance and Network Management along with Technology Insertion including Airborne Concentrator, Satellite IP Command and Control and Memory in Space will ensure the continued asymmetric advantage of the warfighter.

Organizer

TBD

Moderator

TBD

Panelists

CAPT Doug Schroeder, *Director, Communications Functional Integration Office (COMM-FIO), OSD-ATL*

Carl Laurvick, *Technical Director, Communications Functional Integration Office (COMM-FIO), OSD-ATL*

Col Sean M. Patrick, *Deputy Director, Center for Special Operations Networks and Communications, USSOCOM, SONC-D*

Timothy R. Morris, *Network Centric Systems, Raytheon*



UNCLASSIFIED PANELS

WP-121

Meeting Warfighter Requirements on the Digital Battlefield: Interoperability Between Testing, Training, and Operations

Wednesday

2:15–3:45 p.m.

Osceola 4

This panel will explore current issues related to achieving interoperability among the collective systems of systems and battle staff training, test, and training instrumentation. The panel will discuss policy changes, requirements, and current and future technology challenges and solutions for RF spectrum allocation, secure communications, and networking.

Developing, embedding, fielding, and supporting state-of-the-art systems requires new policy directives, innovative research and development, a new production paradigm, and flexible support standards. Leaders in C4I testing and training instrumentation will discuss the latest changes and development of state-of-the-art solutions.

Organizer

Fred Eisele, *Senior Manager C4I, Raytheon Intelligence and Information Systems*

Moderator

Colonel Kevin Dietrick, *Deputy Program Executive Officer, PEO STRI, U.S. Army*

Panelists

Colonel Harold Greene, *Office of ASA–(ALT), U.S. Army*

James Shifflett (Col./-Ret.), *FCS TCC, Science Applications International Corporation (SAIC)*

Dr. Roger Smith, *Chief Scientist and CTO, PEO STRI, U.S. Army*

Colonel Ken Wheeler, *Project Manager, Constructive Simulation, U.S. Army*

Colonel Dave Moore, *Project Manager, Battle Command, PEO C3T, U.S. Army*

Colonel David Lockhart, *Project Manager, Instrumentation, Targets and Threat Simulators, PEO STRI, U.S. Army*